

Tuesday, 25 June 2024*Mini Conferences (MC)*

10:00 - 12:00

B

MC01 - [European Brain Council](#): Prioritising Brain Health in Youth: Bringing Neuroscience to Society and Informing Policy**Opening Address - Suzanne Dickson**

10:00 - 10:10

Keynote lectures: Brain development and transdiagnostic classification

10:10 - 10:30

Speaker: Francesca Cirulli (Italy)*Speaker:* Martien Kas (Netherlands)**Session 1: Youth and caregiver priorities**

10:30 - 10:50

Speaker: Anastasia Benzahi (France)*Speaker:* Åsa Konradsson Geuken (Sweden)**Session 2: Brain health clinical innovation in youth: Panel discussion**

10:50 - 11:20

Speaker: Kevin Rostasy (Germany)*Speaker:* Eva Kestens (Belgium)*Speaker:* Celso Arango (Spain)*Speaker:* Pavel Mohr (Czech Republic)*Speaker:* Judit Balazs (Hungary)**Session 3: Time to commit to policy change: Open Discussion**

11:20 - 11:55

Speaker: Judit Simon (Austria)*Speaker:* Sasa Jenko (Belgium)*Speaker:* Jennifer Hall (Greece)**Concluding Remarks - Vinciane Quoidbach and Suzanne Dickson**

11:55 - 12:00

Mini Conferences (MC)

10:00 - 14:00

H

MC02 - [EBBS](#) and [EBPS](#): Understanding the Neuronal Mechanisms Driving Behaviour: From Molecular and Cellular Processes to Complex System Interactions**Speakers**

10:00 - 10:00

Speaker: Tomás Ryan (Ireland)*Speaker:* David Dupret (University of Oxford, United Kingdom)*Speaker:* Dorothy TSE (United Kingdom)*Speaker:* Valeria Gazzola (Netherlands)*Speaker:* Véronique Deroche-Gamonet (France)*Speaker:* Marloes Henckens (Netherlands)*Speaker:* Claudia Massaccesi (Austria)*Speaker:* Ingo Willuhn (Netherlands)**Presentation 1**

10:00 - 10:00

Presentation 2

10:00 - 10:00

Presentation 3

10:00 - 10:00

Presentation 4

10:00 - 10:00

Presentation 5

10:00 - 10:00

Presentation 6

10:00 - 10:00

Presentation 7

10:00 - 10:00

Presentation 8

10:00 - 10:00

Other

10:00 - 14:00

RT

Hackathon: Ethical Future with NeuroAI*Special Interest Events (SiE)*

10:30 - 12:00

C

SiE01 - FENS-EPA Symposium - Cannabinoids and psychiatric risk: Is it safe to legalise?*Chair:* Karen Doyle (University of Galway, Ireland)*Chair:* Geert Dom (European Psychiatric Association - University of Antwerp, Belgium, Belgium)**Introduction**

10:30 - 10:36

Impacts of maternal cannabis use on long-term psychiatric risk: the promise of interventions targeting the Omega-3 fatty acid signaling network

10:36 - 10:53

Speaker: Steven Laviolette (University of Western Ontario, Canada)**Q&A**

10:53 - 10:57

Cannabis legalisation and public health

10:57 - 11:14

Speaker: Robert Smyth (Youth Drug & Alcohol service, Airton Business Park, Dublin 24, Ireland, Ireland)**Q&A**

11:14 - 11:18

Cannabis and psychosis - is cannabis psychotogenic?

11:18 - 11:35

Speaker: Carsten Hjorthøj (Copenhagen Research Center for Mental Health - CORE; and University of Copenhagen, Denmark)**Q&A**

11:35 - 11:39

Cannabis and the risk of schizophrenia in at-risk populations

11:39 - 11:56

Speaker: Marie-Odile Krebs (Inserm U1266 IPNP ; GHU Paris ; Institut de Psychiatrie, France)**Q&A**

11:56 - 12:00

Technical Workshop (W)

11:00 - 14:00

D

W01 - Exploring new frontiers in investigating neural circuits using GPCR-based optical tools*Chair:* J. Simon Wiegert (Department of Neurophysiology, Mannheim Center for Translational Neuroscience, Medical Faculty Mannheim of the University Heidelberg, Germany)*Chair:* Ofer Yizhar (Department of Brain Sciences, Weizmann Institute of Science, Israel)**Introduction**

11:00 - 11:05

Optical Methods for Decoding Neuromodulation in Motivated Behavior

11:05 - 11:30

Speaker: Michael Bruchas (University of Washington, United States)**Discussion**

11:30 - 11:35

Optogenetic control and visualization of GPCR pathways

11:35 - 12:00

Speaker: Stefan Herlitze (Ruhr-Universität Bochum, Germany)**Discussion**

12:00 - 12:05

Crustaceans as a Source of new bistable rhodopsins for Optogenetics

12:05 - 12:30

Speaker: Alina Pushkarev (Humboldt University of Berlin, Germany)**Discussion**

12:30 - 12:35

Brightening brain science: What genetically engineered sensors tell us about the mind

12:35 - 13:00

Speaker: Lin Tian (Max Planck Florida Institute of Neuroscience, United States)

Discussion 13:00 - 13:05

Measuring dopamine: in vivo fluorescent imaging outside the dopamine-rich striatum 13:05 - 13:30

Speaker: Marie Labouesse (ETH Zürich, Switzerland)

Discussion 13:30 - 13:35

Q&A 13:35 - 14:00

Technical Workshop (W)

11:00 - 14:00

E

W02 - Photonics for Brain

Chair: Tomas Cizmar (Leibniz Institute of Photonic Technology, Fibre Research and Technology, Germany)

Chair: Keith Mathieson (University of Strathclyde, United Kingdom)

Introduction 11:00 - 11:00

Peering into the mouse brain in action 11:00 - 11:00

Speaker: Janelle Pakan (Otto von Guericke University Magdeburg, Germany)

Hair-thin holographic endoscope for deep-brain in-vivo imaging 11:00 - 11:00

Speaker: Hana Uhlířová (Institute of Scientific Instruments of the Czech Academy of Sciences, Czech Republic)

Implantable microLED devices for optical manipulation of neural circuits 11:00 - 11:00

Speaker: Keith Mathieson (University of Strathclyde, United Kingdom)

Bringing nanophotonics into the brain: multifunctional optical neural interfaces 11:00 - 11:00

Speaker: Ferruccio Pisanello (Istituto Italiano di Tecnologia, Italy)

Ultrafast light targeting for high-throughput precise control of neuronal networks 11:00 - 11:00

Speaker: Emiliano Ronzitti (Vision Institute - CNRS, France)

Q&A 11:00 - 11:00

Technical Workshop (W)

11:00 - 14:00

F

W03 - Closed loop neuroscience

Chair: Juan Gallego (Imperial College London, United Kingdom)

Introduction 11:00 - 11:05

Spatial & temporal rules of sensory feedback integration during brain-machine interface learning 11:05 - 11:35

Speaker: Valérie Ego-Stengel (CNRS & Université Paris-Saclay, France)

Q&A 11:35 - 11:45

Goals, plans and decisions in the zebrafish brain 11:45 - 12:15

Speaker: Martin Privat (Max Planck Institute for Biological Intelligence, Germany)

Q&A 12:15 - 12:25

Therapies orchestrated by patients' rhythms 12:25 - 12:55

Speaker: Mostafa Safaie (Imperial College London, United Kingdom)

Q&A 12:55 - 13:05

Closed loop control of virtual navigation reveals cortical error signals	13:05 - 13:35
<i>Speaker:</i> Timothy O'Leary (University of Cambridge, United Kingdom)	
Q&A	13:35 - 13:45
Discussion	13:45 - 14:00
 <i>Technical Workshop (W)</i>	
11:00 - 14:00	G
W04 - State-of-the art technologies for large-scale, functional <i>ex vivo</i> studies of human neurons	
<i>Chair:</i> Pawel Fidzinski (Berlin Institute of Health at Charité – Universitätsmedizin Berlin, Neuroscience Clinical Research Center, Germany)	
<i>Chair:</i> Natalia Goriounova (Vrije Universiteit Amsterdam, Center for Neurogenomics and Cognitive Research, Integrative Neurophysiology, Netherlands)	
Introduction	11:00 - 11:05
Establishment of a large-scale, multi-user platform for functional studies in human brain tissue	11:05 - 11:30
<i>Speaker:</i> Pawel Fidzinski (Berlin Institute of Health at Charité – Universitätsmedizin Berlin, Neuroscience Clinical Research Center, Germany)	
Q&A	11:30 - 11:35
Mechanisms of fast signaling in human neurons	11:35 - 12:00
<i>Speaker:</i> Natalia Goriounova (Vrije Universiteit Amsterdam, Center for Neurogenomics and Cognitive Research, Integrative Neurophysiology, Netherlands)	
Q&A	12:00 - 12:05
Insights into organizational principles of human neocortical microcircuits	12:05 - 12:30
<i>Speaker:</i> Jörg Geiger (Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin and Humboldt Universität zu Berlin, , 10117 Berlin, Germany, Germany)	
Q&A	12:30 - 12:35
Structural plasticity in temporal lobe epilepsy in humans and mice	12:35 - 13:00
<i>Speaker:</i> Ute Häussler (University of Freiburg, Germany)	
Q&A	13:00 - 13:05
Reimagining human cellular neurophysiology in the era of single cell genomics	13:05 - 13:30
<i>Speaker:</i> Brian Kalmbach (Allen Institute for Brain Science, United States)	
Q&A	13:30 - 14:00
 <i>Special Lecture (SL)</i>	
13:00 - 14:00	C
SL01 - FENS-EJN Awards Lectures, Oscar Marín (UK), Tobias Hauser (DE), Sara Bizzotto (FR)	
Introduction	13:00 - 13:02
FENS-EJN Award: Cortical interneurons in health and disease.	13:02 - 13:30
<i>Speaker:</i> Oscar Marín (Centre for Developmental Neurobiology and MRC Centre for Neurodevelopmental Disorders, King's College London, United Kingdom)	
Introduction	13:30 - 13:32
FENS-EJN Young Investigator Prize: Using computational neuroscience to understand mental disorders	13:32 - 13:45

Speaker: Tobias Hauser (University of Tübingen; University College London, Germany)

Introduction 13:45 - 13:47

FENS-EJN Young Investigator Prize: Brain mosaicism: a journey on a cell's life 13:47 - 14:00

Speaker: Sara Bizzotto (Inserm, Paris Brain Institute, France)

Brain Debate

14:30 - 16:00

A

Brain Debate - Challenges of NeuroAI

Moderator: Hervé Chneiweiss (CNRS Senior Scientist / Chairman INSERM Ethics Committee, France)

Panelists 14:30 - 14:30

Speaker: Emily S. Cross (ETH Zürich, Switzerland)

Speaker: Marcello Ienca (TUM, Germany)

Speaker: Nandini Chatterjee Singh (UNESCO MGIEP, India)

Speaker: Karen Rommelfanger (Institute of Neuroethics Think and Do Tank, United States)

Opening Ceremony

16:45 - 18:00

A

Opening Ceremony

Plenary Lecture (PL)

18:00 - 19:00

A

PL01 - Fred Kavli Opening Plenary Lecture, Viviana Gradinaru (US)

Introduction 18:00 - 18:05

Lecture and Q&A - Moving beyond Barriers: Gene delivery across the blood-brain barrier for precise, noninvasive study and repair of nervous systems 18:05 - 19:00

Speaker: Viviana Gradinaru (Plenary Lecturer, United States)

Networking Events (NE)

19:00 - 20:30

E

NE01 - Challenges of multidisciplinary for training, career and funding in Neuroscience

Chair: Patricia Gaspar (ICM-Paris Brain Institute, France, FENS Committee for Higher Education and Training, France)

Presentation 1 20:30 - 20:30

Speakers 20:30 - 20:30

Speaker: Maria Florencia Iacaruso (Francis Crick Institute, United Kingdom)

Speaker: Alexandra Tzilivaki (Charite Medical School NCRC, Germany)

Speaker: Mathew Abrams (International Neuroinformatics Coordinating Facility (INCF), Sweden)

Speaker: Erkki Raulo (ERA-NET Neuron, Finland)

Speaker: Jan Bjaalie (EBRAINS, Norway)

Networking Events (NE)

19:00 - 20:30

F

NE02 - European Brain Prosthesis: Landscape and challenges

Presentation 1 19:00 - 19:00

Presentation 2 19:00 - 19:00

Presentation 3 19:00 - 19:00

Presentation 4 19:00 - 19:00

Presentation 5	19:00 - 19:00
Presentation 6	19:00 - 19:00
Programme	20:30 - 20:30
Speakers	20:30 - 20:30
<i>Speaker:</i> Ján Antolík (Czech Republic)	
<i>Speaker:</i> Brice Bathellier (France)	
<i>Speaker:</i> Frederik Ceyssens (Belgium)	
<i>Speaker:</i> Eduardo Fernandez (Spain)	
<i>Speaker:</i> György Bence (Switzerland)	
<i>Speaker:</i> Daniel Hillier (Hungary)	
<i>Speaker:</i> Lara Merken (Belgium)	
<i>Speaker:</i> Peter Janssen (Belgium)	
<i>Speaker:</i> Patrick Ruther (Germany)	
<i>Speaker:</i> Lucia Wittner (Hungary)	

Networking Events (NE)

19:00 - 20:30

G

NE03 - Bridging Borders and Building Bridges: A global network for neuroscience research and education*Chair:* Srikanth Ramaswamy (Newcastle University, United Kingdom)*Chair:* Dorothy TSE (United Kingdom)

Presentation 1	19:00 - 19:00
Presentation 2	19:00 - 19:00
Presentation 3	19:00 - 19:00
Presentation 4	19:00 - 19:00
Presentation 5	19:00 - 19:00
Presentation 6	19:00 - 19:00
Presentation 7	19:00 - 19:00
Presentation 8	19:00 - 19:00
Programme	20:30 - 20:30
Speakers	20:30 - 20:30
<i>Speaker:</i> Michaela Fenckova (EMBO and Eastern Europe, Czech Republic)	
<i>Speaker:</i> Nikos Konstantinides (FKNE and Western Europe, France)	
<i>Speaker:</i> Jacque Ip (IBRO ECC and Asia, Hong Kong)	
<i>Speaker:</i> Amadi Ihunwo (South Africa)	
<i>Speaker:</i> Abbas Haghparasht (IBRO APRC and the Middle East, Iran)	
<i>Speaker:</i> Teresa Morales (IBRO LARC and Latin America, Mexico)	

Networking Events (NE)

19:00 - 20:30

H

NE04 - Current challenges and opportunities of using AI in sleep medicine and neuroscience: a networking event for sleep researchers and clinicians*Chair:* Michael Saletu (Austria)*Chair:* Isabella Sarto-Jackson (Austria)

Presentation 1	19:00 - 19:00
Presentation 2	19:00 - 19:00
Presentation 3	19:00 - 19:00

Speakers	20:30 - 20:30
<i>Speaker:</i> Matteo Cesari (Austria)	
<i>Speaker:</i> Ambra Stefani (Austria)	
<i>Speaker:</i> Manuel Schabus (Austria)	
<i>Networking Events (NE)</i>	
19:00 - 20:30	RT
NE05 - The Behaviour Forum Social	
Presentation 1	19:00 - 19:00
Presentation 2	19:00 - 19:00
Presentation 3	19:00 - 19:00
Programme	19:00 - 20:30
Speakers	20:30 - 20:30
<i>Speaker:</i> Christophe Lamy (Switzerland)	
<i>Speaker:</i> Otto Kalliokoski (Denmark)	
<i>Speaker:</i> Hamid Taghipourbibalan (Norway)	
<i>Networking Events (NE)</i>	
19:30 - 22:00	OS
NE06 - HISTORY OF NEUROSCIENCE: Freud in situ: From his time to the current relationship with Neuroscience	
Programme	19:30 - 19:30
Speakers	19:30 - 19:30
<i>Speaker:</i> Fernando de Castro Soubriet (Spanish Research Council / CSIC-Consejo Superior de Investigaciones Científicas, Spain)	
<i>Speaker:</i> August Ruhs (Austria)	
<i>Speaker:</i> Juan José Martínez Jambrina (Spain)	

Wednesday, 26 June 2024*Plenary Lecture (PL)*

08:30 - 09:30

A

PL02 - Plenary Lecture, Onur Güntürkün (DE)**Introduction**

08:30 - 08:35

Lecture and Q&A - The unexpected evolution of the neural fundamentals of complex cognition

08:35 - 09:30

Speaker: Onur Güntürkün (Ruhr-University Bochum, Germany)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 01 - Motor Control and AdaptationPS01-26AM-391 **PLASTICITY OF FUNCTIONAL CONNECTIVITY MAPS AT GRANULE CELL TO PURKINJE CELL SYNAPSES IN MICE CEREBELLUM**

09:30 - 09:30

Speaker: Jérôme Wandhammer (France)PS01-26AM-392 **SHORT-TERM PLASTICITY PROFILES DIVERSITY OF EXCITATORY INPUTS ON CEREBELLAR NUCLEI NEURONS**

09:30 - 09:30

Speaker: Anthime Perrot (France)PS01-26AM-393 **DISENTANGLING THE SPATIAL ORGANIZATION OF THE MOSSY FIBER TO GRANULE CELL SYNAPSE IN THE CEREBELLAR CORTEX**

09:30 - 09:30

Speaker: Alice Basile (France)PS01-26AM-394 **DISENTANGLING ERROR SIGNALS IN PURKINJE CELL DENDRITIC ACTIVITY FROM THEIR PRE-SYNAPTIC CLIMBING FIBER INPUTS DURING SENSORY ASSOCIATION AND ADAPTIVE MOTOR LEARNING**

09:30 - 09:30

Speaker: Irina Scheer (Switzerland)PS01-26AM-395 **NEURONAL ENCODING OF FORELIMB PROPRIOCEPTION IN THE MOUSE SOMATOSENSORY CORTEX AND CEREBELLUM**

09:30 - 09:30

Speaker: Mélanie Palacio Manzano (Switzerland)PS01-26AM-396 **CEREBELLAR POPULATION ACTIVITY DURING MOUSE LOCOMOTION**

09:30 - 09:30

Speaker: Diogo Duarte (Portugal)PS01-26AM-397 **LOCOMOTOR LEARNING UNDER CLIMBING FIBER CONTROL**

09:30 - 09:30

Speaker: Alice Geminiani (Portugal)PS01-26AM-398 **ENCODING OF LOCOMOTOR SIGNALS BY PURKINJE CELL COMPLEX SPIKES**

09:30 - 09:30

Speaker: Francesco Costantino Costabile (Portugal)PS01-26AM-399 **NON-LINEAR AND MIXED ENCODING OF BODY MOVEMENTS BY INDIVIDUAL PURKINJE CELLS**

09:30 - 09:30

Speaker: Jorge Enrique Ramirez Buritica (Portugal)PS01-26AM-400 **MODULATION OF DENDRITIC VOLTAGE SIGNALING IN PURKINJE NEURONS BY MOLECULAR LAYER INTERNEURONS IN AWAKE MICE**

09:30 - 09:30

Speaker: Soumen Jana (Japan)PS01-26AM-401 **CORTICO-CEREBELLAR NEURONAL DYNAMICS DURING ADAPTATION TO MOVEMENT PERTURBATIONS**

09:30 - 09:30

Speaker: Capucine Gros (France)

PS01-26AM-402	CEREBELLUM AND EMOTIONS! A JOURNEY FROM EVIDENCE TO COMPUTATIONAL MODELING AND SIMULATION	09:30 - 09:30
<i>Speaker:</i> Dianela Andreina Osorio Becerra (Italy)		
PS01-26AM-403	MOTOR LEARNING-INDUCED PLASTICITY OF CEREBELLAR PURKINJE NEURON CONNECTIVITY	09:30 - 09:30
<i>Speaker:</i> Laura Pérez-Revuelta (Germany)		
PS01-26AM-404	MOLECULAR AND CONNECTIVE HETEROGENEITY IN THE PITX2^{ON} POPULATION IN THE MOUSE SUPERIOR COLLICULUS	09:30 - 09:30
<i>Speaker:</i> Elena Williams (United Kingdom)		
PS01-26AM-405	ROLE OF THE CEREBELLO-PREFRONTAL COMMUNICATION IN THE TEMPORAL PREDICTION OF EVENTS	09:30 - 09:30
<i>Speaker:</i> Pierre Le Cabec (France)		
PS01-26AM-406	INTERACTIONS BETWEEN SENSORY AND MOTOR SYSTEMS: CORTICOCEREBELLAR CIRCUITS AND TASK ENGAGEMENT	09:30 - 09:30
<i>Speaker:</i> Julia Henschke (Germany)		
PS01-26AM-407	MAPPING CORTICAL INPUT INTO THE BRAINSTEM: THE FUNCTION OF CORTICO-BRAINSTEM NEURONS IN SKILLED MOTOR CONTROL	09:30 - 09:30
<i>Speaker:</i> Julia Kaiser (United States)		
PS01-26AM-408	COORDINATED INTERNEURON PREPARATORY ACTIVITY FACILITATES OPTIMAL MOTOR TIMING	09:30 - 09:30
<i>Speaker:</i> Cedric Galetzka (Japan)		
PS01-26AM-409	TWO-DIMENSIONAL ADAPTIVE CONTROL OF SACCADES BY THE CEREBELLAR PURKINJE CELLS	09:30 - 09:30
<i>Speaker:</i> Juliana Silva de Deus (Japan)		
PS01-26AM-410	INVESTIGATING INPUT-OUTPUT COMPUTATIONS OF PURKINJE NEURON DENDRITES IN VIVO	09:30 - 09:30
<i>Speaker:</i> Christopher Roome (Japan)		
PS01-26AM-411	STUDY OF SUPERIOR COLLICULUS TO THE INFERIOR OLIVE PATHWAY IN MICE	09:30 - 09:30
<i>Speaker:</i> Deviana David (Japan)		
PS01-26AM-412	UNRAVELLING THE FUNCTIONAL DIVERSITY OF GRANULE CELLS IN THE CEREBELLAR CORTEX	09:30 - 09:30
<i>Speaker:</i> Christopher Small (France)		
PS01-26AM-413	REVEALING THE ROLE OF CERVICAL VENTRAL SPINAL INTERNEURONS PROJECTING TO THE CEREBELLUM IN MOTOR LEARNING AND CONTROL	09:30 - 09:30
<i>Speaker:</i> Sofia Pimpinella (United States)		
PS01-26AM-414	MOLECULAR IDENTITY OF PURKINJE CELLS DICTATES THEIR ACTIVITY DURING A LEARNED COMPLEX MOVEMENT	09:30 - 09:30
<i>Speaker:</i> Martijn Schonewille (Netherlands)		
PS01-26AM-415	MAPPING CEREBELLAR MOTOR AND COGNITIVE DEFICITS AFTER TUMOR RESECTION IN CHILDREN	09:30 - 09:30
<i>Speaker:</i> Marina Veyrie (France)		
PS01-26AM-416	CEREBELLAR NEURONAL ACTIVITY DURING EMOTIONAL CONTROL AND THE ROLE OF CEREBELLAR-MPFC PATHWAY IN FEAR LEARNING	09:30 - 09:30
<i>Speaker:</i> Camilla Ciapponi (Italy)		

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Neurodevelopmental Dynamics

- PS01-26AM-211 **CELLULAR AND CIRCUIT DIVERSITY WITHIN SPINY PROJECTION NEURON POPULATIONS IN THE POSTNATAL STRIATUM ARISES FROM DISTINCT EMBRYONIC PROGENITOR POOLS** 09:30 - 09:30
Speaker: Jack Gordon (United Kingdom)
- PS01-26AM-212 **INVESTIGATING THE ROLE FOR THE NEUROMODULATOR HISTAMINE IN THE DEVELOPMENT OF THE BED NUCLEUS OF THE STRIA TERMINALIS (BNST)** 09:30 - 09:30
Speaker: Yasmin Cras (Belgium)
- PS01-26AM-213 **EFFECTS OF EARLY EXPOSURE TO NMDA RECEPTOR NR1-SPECIFIC ANTIBODIES ON THE DEVELOPING MOUSE STRIATUM** 09:30 - 09:30
Speaker: Danijela Bataveljic (Belgium)
- PS01-26AM-214 **TET2-MEDIATED REGULATION OF GENOMIC IMPRINTING IN ADULT NEURAL STEM CELLS** 09:30 - 09:30
Speaker: Laura Lázaro-Carot (Spain)
- PS01-26AM-215 **GENE EXPRESSION ALTERATIONS IN THE HIPPOCAMPUS OF A MURINE MODEL OF PRADER-WILLI SYNDROME** 09:30 - 09:30
Speaker: Esteban Jiménez-Villalba (Spain)
- PS01-26AM-216 **IN VIVO XENOTRANSPLANTATION OF PATIENT IPSC-DERIVED NEURONS IN MECP2 NEURODEVELOPMENTAL DISORDERS** 09:30 - 09:30
Speaker: Nona Merckx (Belgium)
- PS01-26AM-217 **REGULATORY ROLES OF MITOCHONDRIA AND METABOLISM IN HUMAN AND MOUSE NEUROGENESIS** 09:30 - 09:30
Speaker: Isabel Maria Gallego Lopez (Belgium)
- PS01-26AM-218 **UNRAVELING MOUSE STRIATAL DEVELOPMENT FROM EMBRYONIC TO POSTNATAL STAGES** 09:30 - 09:30
Speaker: Olga Varea (Spain)
- PS01-26AM-219 **TRIP6 REGULATES NEURAL STEM CELL MAINTENANCE THROUGH THE NOTCH PATHWAY IN THE POSTNATAL MAMMALIAN SUBVENTRICULAR ZONE** 09:30 - 09:30
Speaker: Chia Chi Chung (Taiwan)
- PS01-26AM-220 **MULTIPOTENT PROGENITORS INSTRUCT ONTOGENY OF THE SUPERIOR COLLICULUS** 09:30 - 09:30
Speaker: Giselle Cheung (Austria)
- PS01-26AM-221 **DETERMINING THE TEMPORAL TRAJECTORIES OF THALAMIC CELLULAR SPECIFICATION** 09:30 - 09:30
Speaker: Lorenzo Puche Aroca (Spain)
- PS01-26AM-222 **CHARACTERIZATION OF VENTRAL FOREBRAIN ORGANIDS DERIVED FROM HUMAN INDUCED PLURIPOTENT STEM CELLS** 09:30 - 09:30
Speaker: Michael Gordon (United States)
- PS01-26AM-223 **UNRAVELLING THE MECHANISMS BEHIND DEVELOPMENT OF QUIESCENT NEURAL STEM CELLS - THE ROLE OF PRESENILIN 1** 09:30 - 09:30
Speaker: Surya Suresh (India)
- PS01-26AM-224 **THE ROLE OF MATERNAL AND PATERNAL GENOMES IN NEURONAL NETWORK ASSEMBLY, DYNAMICS, AND CIRCADIAN RHYTHMS** 09:30 - 09:30
Speaker: Alessia Polito (Italy)
- PS01-26AM-225 **A MOUSE MODEL TO EXPLORE CLONAL EVOLUTION IN FAST-** 09:30 - 09:30

	PROLIFERATING NEURONAL PROGENITOR CELLS DURING EARLY NEURODEVELOPMENT	
	<i>Speaker:</i> Giulia Di Muzio (Germany)	
PS01-26AM-226	ESTABLISHMENT OF ANIMAL CELL LINES TO DETECT CIRCADIAN RHYTHM GENE EXPRESSION VIA CRISPR-CAS9	09:30 - 09:30
	<i>Speaker:</i> Hong Jun Lee (Korea, Republic of)	
PS01-26AM-227	RING1B CONTROL OF FATE SPECIFICATION AND RE-SPECIFICATION IN ADULT-BORN NEURONS	09:30 - 09:30
	<i>Speaker:</i> Diana Manzano Franco (Spain)	
PS01-26AM-228	REGULATORY NETWORK OF FOREBRAIN DEVELOPMENT MODELED IN ORGANOID REVEALS KEY FACTORS ASSOCIATED WITH EXCITATORY NEURONS IMBALANCE IN IDIOPATHIC AUTISM	09:30 - 09:30
	<i>Speaker:</i> Alexandre Jourdon (United States)	
PS01-26AM-229	ELUCIDATING DISTINCTIVE ROLES OF HIPPO PATHWAY MEMBERS YAP AND TAZ IN HUMAN <i>IN VITRO</i> NEUROGENESIS	09:30 - 09:30
	<i>Speaker:</i> Anna Maria Ernst (Austria)	
	<i>Poster Sessions</i>	
	09:30 - 13:00	Posters
	Poster Session 01 - Advancements in Auditory Research	
PS01-26AM-454	SPATIAL HEARING WITH BIONIC EARS	09:30 - 09:30
	<i>Speaker:</i> Sarah Buchholz (Germany)	
PS01-26AM-455	DEVELOPMENT OF THE COCHLEAR NUCLEUS DEPENDING ON THE HEARING EXPERIENCE OF RATS	09:30 - 09:30
	<i>Speaker:</i> Nicole Rosskothén-Kuhl (Germany)	
PS01-26AM-456	DOES SPATIAL HEARING WITH BIONIC EARS CHANGE WITH JITTERED BINAURAL STIMULI?	09:30 - 09:30
	<i>Speaker:</i> Tim Fleiner (Germany)	
PS01-26AM-457	SENSITIVITY OF INFERIOR COLLICULUS NEURONS TO INTERAURAL TIME AND LEVEL DIFFERENCES IN ADULT NEONATALLY DEAFENED RATS	09:30 - 09:30
	<i>Speaker:</i> Muhammad Zeeshan (Hong Kong)	
PS01-26AM-458	SENSITIVITY TO ENVELOPE AND PULSE TIMING INTERAURAL TIME DIFFERENCES IN PROSTHETIC HEARING	09:30 - 09:30
	<i>Speaker:</i> Shiyi FANG (Hong Kong)	
PS01-26AM-459	THE EFFECTS AND INTERACTIONS OF TOP-DOWN INFLUENCES ON SPEECH PERCEPTION	09:30 - 09:30
	<i>Speaker:</i> Reuben Chaudhuri (Hong Kong)	
PS01-26AM-460	AVAILABILITY OF INFORMATION ON ARTIFICIAL INTELLIGENT-ENHANCED HEARING AIDS: A SOCIAL MEDIA ANALYSIS	09:30 - 09:30
	<i>Speaker:</i> Joanie Ferland (Canada)	
PS01-26AM-461	DESIGNING A TRANSMODAL TECHNOLOGY TO FEEL SOUND THROUGH TOUCH: THE MULTICHANNEL VIBROTACTILE GLOVES	09:30 - 09:30
	<i>Speaker:</i> Andreanne Sharp (Canada)	
PS01-26AM-462	IMPACT OF MUSICAL EXPERIENCE ON MUSIC PERCEPTION IN THE ELDERLY	09:30 - 09:30
	<i>Speaker:</i> Alexis Whittom (Canada)	
PS01-26AM-463	COMMUNITY-REGULATED ETHICS: PERCEPTION AND RESOLUTION OF ETHICAL CONFLICTS BY ONLINE COMMUNITIES	09:30 - 09:30

Speaker: Chinnapat Chanprom (Thailand)

PS01-26AM-464 **TEMPORALITY OF ONLINE REACTIONS IN VIRTUAL COMMUNITIES: THE EXAMPLE OF REACTIONS TO FICTIONAL CHARACTERS' DEATH** 09:30 - 09:30

Speaker: Matthieu Guitton (Canada)

PS01-26AM-465 **NEUROPLASTICITY AND EARLY COCHLEAR IMPLANT USE IN ADULT-DEAFENED HUMANS AND RATS** 09:30 - 09:30

Speaker: Ariel Edward Hight (United States)

PS01-26AM-466 **STATIC AND DYNAMIC BALANCE AFTER VESTIBULAR LOSS: IMPACT OF THE AFFECTED SIDE** 09:30 - 09:30

Speaker: Liliane Borel (France)

PS01-26AM-467 **COGNITIVE IMPROVEMENT UP TO 4 YEARS AFTER COCHLEAR IMPLANTATION IN OLDER ADULTS: A PROSPECTIVE LONGITUDINAL STUDY USING THE RBANS-H** 09:30 - 09:30

Speaker: Tinne Vandebroek (Belgium)

PS01-26AM-468 **COGNITIVE DISTURBANCES AFTER HEARING LOSS IN ADULT RATS ARE NOT ACCOMPANIED BY ALTERED NEUN-, GABA-, AND DOPAMINE-EXPRESSION IN THE CENTRAL AUDITORY PATHWAY AND PREFRONTAL CORTEX** 09:30 - 09:30

Speaker: Marla Sofie Witte (Germany)

PS01-26AM-469 **AUDITORY PROCESSING DEFICITS IN A RAT MODEL OF DOWN SYNDROME** 09:30 - 09:30

Speaker: Riccardo Caramellino (Switzerland)

PS01-26AM-470 **HIGH RESOLUTION AUDITORY PERCEPT THROUGH SOFT AUDITORY CORTEX IMPLANT IN MACAQUES** 09:30 - 09:30

Speaker: Emilie Revol (Switzerland)

PS01-26AM-471 **GLASSES TO HEAR DIFFERENTLY? THE AFTEREFFECTS OF PRISM ADAPTATION ON AUDITORY THRESHOLD IN YOUNG AND OLDER HEALTHY ADULTS** 09:30 - 09:30

Speaker: Vincent Ardonneau (France)

PS01-26AM-472 **PRE-OPERATIVE STRUCTURAL MRI PREDICTS COCHLEAR THERAPY OUTCOME IN POST-LINGUAL DEAFNESS** 09:30 - 09:30

Speaker: Ron Kupers (Canada)

PS01-26AM-473 **MULTISESSION ELECTRIC STIMULATION OF THE AUDITORY CORTEX PREVENTS CORTICAL AGING IN AN AGE-RELATED HEARING LOSS WISTAR RAT MODEL** 09:30 - 09:30

Speaker: Inés S. Fernández del Campo (Spain)

PS01-26AM-474 **SOMATOSENSORY CROSS-MODAL PLASTICITY IN HEARING IMPAIRED SUBJECTS BEFORE AND AFTER COCHLEAR IMPLANTATION** 09:30 - 09:30

Speaker: Fatima Sofia Avila Cascajares (Germany)

PS01-26AM-621 **RESOLVING INHIBITORY CONNECTIONS IN LARGE-SCALE EXTRACELLULAR RECORDINGS BY HIGH-RESOLUTION OPTOGENETICS** 09:30 - 09:30

Speaker: Marta Picco (Spain)

Poster Sessions

09:30 - 13:00

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Poster Session 01 - Hippocampal Spatial Encoding

PS01-26AM-001 **SPATIAL REPRESENTATION IN THE VISUAL CORTEX, RETROSPLENIAL CORTEX AND (PARA)HIPPOCAMPAL FORMATION OF FREELY MOVING MICE** 09:30 - 09:30

<i>Speaker:</i> Hanna Eneqvist (Norway)		
PS01-26AM-002	DEVELOPMENT OF TOROIDAL AND RING MANIFOLDS IN THE ENTORHINAL NETWORKS	09:30 - 09:30
<i>Speaker:</i> Matteo Guardamagna (Norway)		
PS01-26AM-003	INCREASED DRIFT OF POPULATION ACTIVITY IN THE HIPPOCAMPUS UNDER SENSORY-MINIMIZED CONDITIONS	09:30 - 09:30
<i>Speaker:</i> Ane Lautrup (Norway)		
PS01-26AM-004	DIMENSIONALITY OF NEURAL SUB-POPULATIONS ACROSS THE HIPPOCAMPAL-ENTORHINAL CIRCUIT	09:30 - 09:30
<i>Speaker:</i> Jordan Carpenter (Norway)		
PS01-26AM-005	LATERAL ENTORHINAL DYNAMICS DRIFT AND SHIFT AT BEHAVIORALLY RELEVANT TIMESCALES	09:30 - 09:30
<i>Speaker:</i> Benjamin Kanter (Norway)		
PS01-26AM-006	TOPOGRAPHICAL ORGANIZATION OF FUNCTIONAL CELL TYPES IN THE MEDIAL ENTORHINAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Martin Pofahl (Norway)		
PS01-26AM-007	ALL-OPTICAL INTERROGATION OF FUNCTIONAL CONNECTIVITY IN GRID CELL NETWORKS	09:30 - 09:30
<i>Speaker:</i> Nienke Laura de Jong (Norway)		
PS01-26AM-008	THE QUALITY AND COMPLEXITY OF PAIRWISE MAXIMUM ENTROPY MODELS FOR LARGE CORTICAL POPULATIONS	09:30 - 09:30
<i>Speaker:</i> Valdemar Kargård Olsen (Norway)		
PS01-26AM-009	A NEURAL NETWORK MODEL THAT LEARNS TO ENCODE AND RETRIEVE MEMORIES FOR SPATIAL NAVIGATION	09:30 - 09:30
<i>Speaker:</i> Xiangshuai Zeng (Germany)		
PS01-26AM-010	MODELING THE NEURAL MECHANISMS UNDERLYING REVERSAL LEARNING IN SPATIAL NAVIGATION	09:30 - 09:30
<i>Speaker:</i> Behnam Ghazinouri (Germany)		
PS01-26AM-011	MODELING THE TRIAL-BY-TRIAL DYNAMICS OF A REVERSAL LEARNING TASK WITH REINFORCEMENT LEARNING	09:30 - 09:30
<i>Speaker:</i> Nicolas Diekmann (Germany)		
PS01-26AM-012	HIPPOCAMPAL PLACE FIELD FORMATION BY SPARSE, LOCAL LEARNING OF VISUAL FEATURES IN VIRTUAL REALITY	09:30 - 09:30
<i>Speaker:</i> Olivier Ulrich (Switzerland)		
PS01-26AM-013	NETWORK MECHANISMS FOR STATISTICAL LEARNING AND PLACE FIELD FORMATION IN THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Margaret Lane (Switzerland)		
PS01-26AM-014	PREFRONTAL-REUNIENS INPUTS FOR GOAL-DEPENDENT PLACE-CELL REMAPPING AND REPLAY SEQUENCES IN THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Zahra Golipour (Germany)		
PS01-26AM-015	THE NUCLEUS REUNIENS DRIVES HIPPOCAMPAL GOAL-DIRECTED TRAJECTORY SEQUENCES FOR ROUTE PLANNING	09:30 - 09:30
<i>Speaker:</i> Hye-A Kim (Germany)		
PS01-26AM-016	EMERGENCE OF DIFFERENT SPATIAL COGNITIVE MAPS IN CA1 FOR RATS PERFORMING AN EPISODIC MEMORY TASK USING EGOCENTRIC AND ALLOCENTRIC NAVIGATIONAL STRATEGIES	09:30 - 09:30
<i>Speaker:</i> Elena Faillace (United Kingdom)		
PS01-26AM-017	DEVELOPMENT AND REORGANIZATION OF HIPPOCAMPAL	09:30 - 09:30

REPRESENTATIONS DURING CONTEXTUAL SPATIAL LEARNING*Speaker:* Rita Nyilas (Hungary)

PS01-26AM-018 **CAUSAL CONTROL OF SPATIAL NAVIGATION BY A HIPPOCAMPAL BRAIN-MACHINE INTERFACE INDUCES RAPID RECONFIGURATION OF COGNITIVE MAPS** 09:30 - 09:30

Speaker: Charles Micou (United Kingdom)

PS01-26AM-019 **A DEEP OSCILLATORY NEURAL NETWORK WITH GRAPH CONVOLUTION TO MODEL SPATIAL CELLS IN HIPPOCAMPAL FORMATION** 09:30 - 09:30

Speaker: Bharat Kailas Patil (Austria)

PS01-26AM-020 **DISTINCT MANIFOLD ENCODING OF NAVIGATIONAL INFORMATION IN THE SUBICULUM AND HIPPOCAMPUS** 09:30 - 09:30

Speaker: Shinya Nakai (Japan)

PS01-26AM-021 **APPLICATION OF THE LOCAL ACTIVITY PRINCIPLE TO EXPLAIN GRID CELL DYNAMICS** 09:30 - 09:30

Speaker: Mark Christian Guinto (Japan)

PS01-26AM-022 **GRID REPRESENTATION FOR FUTURE SPATIAL INFORMATION IN THE MEDIAL ENTORHINAL CORTEX** 09:30 - 09:30

Speaker: Ayako Ouchi (Japan)

PS01-26AM-023 **NEURONAL DISCRIMINATION OF VISUAL ENVIRONMENTS DIFFERENTIALLY DEPENDS ON BEHAVIOURAL CONTEXT IN THE HIPPOCAMPUS AND NEOCORTEX** 09:30 - 09:30

Speaker: Cantin Ortiz (France)

PS01-26AM-024 **HIPPOCAMPAL SPATIAL REPRESENTATIONS AND NEURONAL DYNAMICS IN RATS INTERACTING WITH A MOVING ROBOT** 09:30 - 09:30

Speaker: Kseniia Lavrova (Czech Republic)

PS01-26AM-025 **FINDING YOUR WAY IN A BUBBLE IS EASIER, IF YOU CAN VISUALIZE IT** 09:30 - 09:30

Speaker: Judit Fiedler (Italy)

PS01-26AM-026 **FUNCTIONS OF THE MEDIAL TEMPORAL LOBE IN MEMORY AND NAVIGATION OF CONCEPTUAL SPACES** 09:30 - 09:30

Speaker: Elias Rau (Germany)

PS01-26AM-027 **REVERSE ENGINEERING RECURRENT NETWORK MODELS REVEALS MECHANISMS FOR LOCATION MEMORY** 09:30 - 09:30

Speaker: Ian Hawes (United Kingdom)

PS01-26AM-028 **HIPPOCAMPAL PLACE CELLS CAN MAP SPACE USING DISTAL AUDITORY CUES** 09:30 - 09:30

Speaker: Denise Manahan-Vaughan (Germany)

PS01-26AM-029 **CELLULAR MODEL OF A PLACE CELL FORMATION** 09:30 - 09:30

Speaker: camille mazzara (Italy)

PS01-26AM-030 **GRID FIELD ANCHORING ENHANCES PATH INTEGRATION-DEPENDENT BUT NOT CUE-BASED NAVIGATION** 09:30 - 09:30

Speaker: Harry Clark (United Kingdom)

PS01-26AM-031 **LOCAL EXPANSION OF THE GRID CELL MAP DURING A GOAL DIRECTED NAVIGATION TASK** 09:30 - 09:30

Speaker: Fabrizio Capitano (France)

PS01-26AM-032 **BEYOND BTSP: UNVEILING THE MECHANISMS FOR PLACE FIELD FORMATION IN HIPPOCAMPAL CA1** 09:30 - 09:30

Speaker: Mate Sumegi (Hungary)

PS01-26AM-033 **NETWORK MECHANISMS OF SPATIAL MEMORY PATTERN** 09:30 - 09:30

ACTIVATION AND UPDATE*Speaker:* Karel Jezek (Czech Republic)

PS01-26AM-034 **CHARACTERISTICS OF PLACE FIELD FORMATION IN THE HIPPOCAMPAL CA1 AND CA3 REGIONS** 09:30 - 09:30

Speaker: Martin Blazsek (Hungary)

PS01-26AM-035 **A TOPOLOGY-PRESERVED SCHEMA OF SPACE IN THE ORBITOFRONTAL CORTEX** 09:30 - 09:30

Speaker: Raunak Basu (Israel)

PS01-26AM-036 **GENERATION OF POSITION CORRELATED ACTIVITY IN PRIMARY SENSORY CORTICES REQUIRES BOTTOM-UP INPUTS** 09:30 - 09:30

Speaker: Zaneta Navratilova (United States)*Poster Sessions*

09:30 - 13:00

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Poster Session 01 - Neural Signal Analysis Techniques

PS01-26AM-126 **SPIKING NEURAL NETWORK MODELS OF DEVELOPMENTAL FREQUENCY ACCELERATION IN THE MOUSE PREFRONTAL CORTEX** 09:30 - 09:30

Speaker: Gabriel Matias Lorenz (Italy)

PS01-26AM-127 **ESTIMATING THE EFFECT OF NMDA RECEPTORS ON NETWORK-LEVEL OSCILLATIONS AND INFORMATION PROCESSING** 09:30 - 09:30

Speaker: Gabriele Mancini (Italy)

PS01-26AM-128 **ACCURATE DETECTION OF SPIKING MOTIFS IN NEUROBIOLOGICAL DATA BY LEARNING HETEROGENEOUS DELAYS OF A SPIKING NEURAL NETWORK** 09:30 - 09:30

Speaker: Laurent Perrinet (France)

PS01-26AM-129 **EMERGENCE OF NMDA-SPIKES: UNRAVELING NETWORK DYNAMICS IN PYRAMIDAL NEURONS** 09:30 - 09:30

Speaker: Michael Dick (Germany)

PS01-26AM-130 **A DEEP-LEARNING APPROACH TO QUASI-INSTANTANEOUS MARKOV-MODELING OF ION CHANNEL GATING** 09:30 - 09:30

Speaker: Efthymios Oikonomou (Germany)

PS01-26AM-131 **SUPERVISED SPIKE INFERENCE FROM CALCIUM IMAGING DATA: NEW DATASETS, NEW ANALYSES** 09:30 - 09:30

Speaker: Peter Rupprecht (Switzerland)

PS01-26AM-132 **IDENTIFYING OVERLAPPING SPIKES IN NEURAL ACTIVITY WITH UNSUPERVISED-SUBSPACE DOMAIN ADAPTATION** 09:30 - 09:30

Speaker: Min-Ki Kim (Korea, Republic of)

PS01-26AM-133 **FITTING, COMPARISON AND SELECTION OF DIFFERENT CALMODULIN KINETIC SCHEMES ON A SINGLE DATA SET USING NON-LINEAR MIXED EFFECTS MODELLING** 09:30 - 09:30

Speaker: Domas Linkevicius (United Kingdom)

PS01-26AM-134 **A MACHINE LEARNING TOOLBOX TO DETECT AND COMPARE SHARP-WAVE RIPPLES ACROSS SPECIES** 09:30 - 09:30

Speaker: Andrea Navas-Olive (Spain)

PS01-26AM-135 **THE ROLE OF MULTI-NEURON TEMPORAL SPIKING PATTERNS ON STABLE ENCODING OF NATURAL MOVIE PRESENTATIONS** 09:30 - 09:30

Speaker: Boris Sotomayor (Germany)

PS01-26AM-136 **A HIERARCHICAL BAYESIAN MIXTURE APPROACH FOR MODELLING NEURONAL CONNECTIVITY PATTERNS FROM MAPSEQ DATA** 09:30 - 09:30

Speaker: Edward Agboraw (United Kingdom)

PS01-26AM-137 **DEEP LEARNING-DRIVEN COMPRESSION OF EXTRACELLULAR NEURAL SIGNALS** 09:30 - 09:30

Speaker: János Rokai (Hungary)

PS01-26AM-138 **AN EFFICIENT SPATIAL CELL TYPE PIPELINE AND ANALYSIS SUITE** 09:30 - 09:30

Speaker: Ron Di Tullio (United States)

PS01-26AM-139 **SELF-SUPERVISED LEARNING OF SPIKING MOTIFS IN NEUROBIOLOGICAL DATA** 09:30 - 09:30

Speaker: Adrien Fois (France)

Poster Sessions

09:30 - 13:00

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Poster Session 01 - Late-Breaking Abstracts

PS01-26AM-592 **CORTICOCEREBELLAR TRACTS AND THEIR RELATIONSHIP TO ANTICIPATORY CONTROL DEFICITS IN CHILDREN WITH CEREBRAL PALSY: A DIFFUSION NEUROIMAGING STUDY** 09:30 - 09:30

Speaker: Ophelie Martinie (Canada)

PS01-26AM-593 **TIC DISORDERS -DISRUPTION OF NEURONAL PROCESSING IN THE CORTICO-BASAL GANGLIA-THALAMOCORTICAL MOTOR AND LIMBIC CIRCUITS-** 09:30 - 09:30

Speaker: Yoshihisa Tachibana (Japan)

PS01-26AM-594 **MYOELECTRIC GESTURE RECOGNITION IN PATIENTS WITH SPINAL CORD INJURY USING A MEDIUM-DENSITY EMG SYSTEM** 09:30 - 09:30

Speaker: Elena Losanno (Italy)

PS01-26AM-595 **THE VERTIGO! TRIAL: EVALUATING THE EFFICACY AND SAFETY OF CHRONIC DAILY STIMULATION IN A MULTICHANNEL VESTIBULO-COCHLEAR IMPLANT (VCI) IMPLANT PROTOTYPE** 09:30 - 09:30

Speaker: Michaela de Kock (Netherlands)

PS01-26AM-596 **MACHINE LEARNING APPROACH APPLIED TO EXPLORATION OF NEURONAL SENSORIMOTOR PROCESSING DURING A VISUOMOTOR RULE-BASED PERFORMED BY A MONKEY** 09:30 - 09:30

Speaker: Laurie Mifsud (France)

PS01-26AM-597 **RETRACING THE EVOLUTION OF HUMAN SOCIO-AFFECTIVE TRAITS THROUGH COMPUTATIONAL ARCHEOLOGY** 09:30 - 09:30

Speaker: Clara Fazzari (Austria)

PS01-26AM-598 **BAYESIAN INFERENCE OF CORTICO-CORTICAL EFFECTIVE CONNECTIVITY IN NETWORKS OF NEURAL MASS MODELS** 09:30 - 09:30

Speaker: Matthieu Gilson (France)

PS01-26AM-599 **OPTOGENETIC INHIBITION REVEALS LARGE-SCALE INTRACORTICAL INTERACTIONS DURING EARLY DEVELOPMENT** 09:30 - 09:30

Speaker: Deyue Kong (Germany)

PS01-26AM-600 **INTER-REGIONAL NEURAL DYNAMICS UNDERLYING SELF-PACED ACTION DECISIONS** 09:30 - 09:30

Speaker: Michaël Elbaz (United States)

PS01-26AM-601 **A COMPUTATIONAL PIPELINE FOR AUTOMATED DISEASE AND DRUG CHARACTERISATION IN A NEURODEGENERATIVE MODEL** 09:30 - 09:30

Speaker: Stefanie Zhang (United Kingdom)

PS01-26AM-602 **CAN DYNAMIC CAUSAL MODELLING (DCM) IDENTIFY MULTISTABLE NEURAL CIRCUITS FOR DECISION-MAKING?** 09:30 - 09:30

Speaker: Amin Azimi (United Kingdom)

PS01-26AM-603	FATIGUE BEHAVIOR AS AN OPTIMAL ALLOCATION STRATEGY FOR LIMITED RESOURCES	09:30 - 09:30
	<i>Speaker:</i> Morgan Verdeil (France)	
PS01-26AM-604	SWITCHING PATTERNS OF CORTICAL-SUBCORTICAL INTERACTION IN THE HUMAN BRAIN	09:30 - 09:30
	<i>Speaker:</i> Michele Allegra (Italy)	
PS01-26AM-605	MAPPING OF THE NEURONS ACTIVATED DURING WAKEFULNESS AND PARADOXICAL (REM) SLEEP: A STUDY USING THE TRAP2 TRANSGENIC MICE	09:30 - 09:30
	<i>Speaker:</i> Pierre-Hervé Luppi (France)	
PS01-26AM-606	GABAERGIC NEURONS IN THE ROSTROMEDIAL TEGMENTAL NUCLEUS MEDIATE TRANSITIONS FROM REM SLEEP TO AROUSAL IN MICE	09:30 - 09:30
	<i>Speaker:</i> Surong Yang (China)	
PS01-26AM-607	INVESTIGATING HOW TANCYTES INTEGRATE CENTRAL THYROID HORMONE SIGNALS	09:30 - 09:30
	<i>Speaker:</i> Constance Kienle (Germany)	
PS01-26AM-608	LOSS OF HEMODYNAMIC FUNCTIONAL CONNECTIVITY DURING HIGH AROUSAL DOES NOT REFLECT NEURONAL UNCOUPLING	09:30 - 09:30
	<i>Speaker:</i> Bradley Rauscher (Boston University Neurophotonics Center, United States)	
PS01-26AM-609	ROLE OF GALANIN RECEPTOR 2/3 IN INFLAMMATION ASSOCIATED WITH PERITONITIS	09:30 - 09:30
	<i>Speaker:</i> Sara Huber (Austria)	
PS01-26AM-610	HYPOTHALAMIC POMC^{TRPM2}-MEDIATED REGULATION OF INTERSCAPULAR BAT THERMOGENESIS	09:30 - 09:30
	<i>Speaker:</i> Dong Kun Lee (Korea, Republic of)	
PS01-26AM-611	TWITCH-RELATED CEREBRO-CEREBELLAR COMMUNICATION IN SLEEPING MICE	09:30 - 09:30
	<i>Speaker:</i> Staf Bauer (Netherlands)	
PS01-26AM-612	A BRAINSTEM CIRCUIT REGULATING ANXIETY WITH SLOW-WAVE SLEEP	09:30 - 09:30
	<i>Speaker:</i> Xiang Feng (China)	
PS01-26AM-613	THE EFFECT OF LOW-DOSE CANNABINOL ON SLEEP IN RATS	09:30 - 09:30
	<i>Speaker:</i> Osvaldas Rukšėnas (Lithuania)	
PS01-26AM-614	UNDERSTANDING THE ALTERED BRAIN METABOLISM AND OXIDATIVE STRESS: INSIGHTS INTO METABOLIC SYNDROME AND PREMATURE AGING IN A NOVEL OBESE RODENT MODEL	09:30 - 09:30
	<i>Speaker:</i> Jitendra Kumar Sinha (India)	
PS01-26AM-615	ZEBRAFISH INFECTION MODEL TO STUDY ORAL BACTERIA-DRIVEN NEUROINFLAMMATION	09:30 - 09:30
	<i>Speaker:</i> Dawid Kozłowski (Poland)	
PS01-26AM-616	RELATIONSHIP BETWEEN THE ACTIVITY OF POSTERIOR INSULAR CORTICAL NEURONS AND NOCICEPTION IN MICE	09:30 - 09:30
	<i>Speaker:</i> Yeowool Huh (Korea, Republic of)	
PS01-26AM-617	CELLULAR ENCODING OF THERMAL INFORMATION BY THE POSTERIOR INSULAR CORTEX	09:30 - 09:30
	<i>Speaker:</i> Gamze Güney (Germany)	
PS01-26AM-618	EFFECTS OF NOP RECEPTOR AGONIST AND NOVEL MIXED NOP/MU OPIOID RECEPTOR AGONIST ON MIGRAINE-LIKE SYMPTOMS IN MICE	09:30 - 09:30
	<i>Speaker:</i> Diana Pietrzak (Poland)	

PS01-26AM-619	IN VITRO PAIN MODEL IN CELL LINES EXPRESSING HUMAN TRPV1	09:30 - 09:30
<i>Speaker:</i> Yajaira Feller Sánchez (Ireland)		
PS01-26AM-620	INFLUENCE OF EXPECTATIONS ON PAIN PERCEPTION: EVIDENCE FOR PREDICTIVE CODING	09:30 - 09:30
<i>Speaker:</i> Kora Montemagno (Denmark)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 01 - Prefrontal Cortex Functionality		
PS01-26AM-162	CONTRASTING THE ROLE OF EXCITATORY PYRAMIDAL CELLS AND GABAERGIC INTERNEURONS IN PREFRONTAL CORTEX THROUGH A NOVEL CONTEXTUAL AUDITORY STIMULUS TASK PARADIGM AND CALCIUM IMAGING	09:30 - 09:30
<i>Speaker:</i> Florian Steenbergen (Germany)		
PS01-26AM-163	PREFRONTAL ORCHESTRATION: CORTICAL NETWORKS FOR RODENT ACTION CONTROL	09:30 - 09:30
<i>Speaker:</i> Zoe Jäckel (Germany)		
PS01-26AM-164	DISTINCT OSCILLATORY DYNAMICS IN THE RAT MEDIAL PREFRONTAL CORTEX SUGGEST BETA BURSTS AS A POTENTIAL MEDIATOR OF EXECUTIVE CONTROL	09:30 - 09:30
<i>Speaker:</i> Ahmed Adžemović (Germany)		
PS01-26AM-165	ELECTRICAL SYNAPSES BETWEEN LAYER 1 INTERNEURONS IN THE MEDIAL PREFRONTAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Elizaveta Vylekzhanina (Germany)		
PS01-26AM-166	THE NEURONAL TRACE OF TEMPORAL CREDIT ASSIGNMENT IN PREMOTOR CORTEX	09:30 - 09:30
<i>Speaker:</i> Brice de la Crompe (Germany)		
PS01-26AM-167	DISSECTING PREFRONTAL CONTRIBUTIONS TO BEHAVIORAL FLEXIBILITY IN FREELY MOVING MICE	09:30 - 09:30
<i>Speaker:</i> Megan Schneck (Germany)		
PS01-26AM-168	MAPPING FUNCTIONAL NEURONAL ENSEMBLES IN PREMOTOR CORTEX DURING COMPLEX, GOAL DIRECTED BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Julian Ammer (Germany)		
PS01-26AM-169	FREICONTROL: A COST-EFFICIENT, OPEN-SOURCE SYSTEM FOR INVESTIGATING INDIVIDUAL STRATEGIES IN DECISION MAKING OF RODENTS	09:30 - 09:30
<i>Speaker:</i> Artur Schneider (Germany)		
PS01-26AM-170	NEURONAL ACTIVITY IN PREFRONTAL CORTEX AND VISUAL AREA V4 PREDICT RESPONSE SPEED AND CORRECT BEHAVIOR IN AN ATTENTIONAL TASK THROUGH DIFFERENT MECHANISMS.	09:30 - 09:30
<i>Speaker:</i> Emile caytan (Greece)		
PS01-26AM-171	DIFFERENTIAL COLLECTIVE PATTERNS OF ACTIVITY IN THE PREFRONTAL AND VISUAL CORTICES BEFORE AND AFTER ATTENTIONAL DEPLOYMENT: THE INFLUENCE OF MIXED SELECTIVE SUBPOPULATIONS	09:30 - 09:30
<i>Speaker:</i> Panagiotis Sapountzis (Greece)		
PS01-26AM-172	DISSOCIATION BETWEEN SENSORY AND GOAL-DIRECTED INFORMATION PROCESSING IN PREFRONTAL, VISUAL AND PARIETAL CORTICES IN NON-HUMAN PRIMATES	09:30 - 09:30
<i>Speaker:</i> Alexis Monnet-Aimard (France)		

PS01-26AM-173	STABILITY OF TASK REPRESENTATIONS IN MOUSE MPFC ACROSS DIFFERENT BEHAVIORS	09:30 - 09:30
<i>Speaker:</i> Johannes Hahn (Germany)		
PS01-26AM-174	RECRUITMENT OF PREFRONTAL CORTICAL NEURONS BY BOTH COGNITIVE AND MOTOR TASKS	09:30 - 09:30
<i>Speaker:</i> Ya Ke (Hong Kong)		
PS01-26AM-175	INCORPORATING NEW WITH OLD KNOWLEDGE - CURRICULAR LEARNING IN ANTERIOR CINGULATE CORTEX	09:30 - 09:30
<i>Speaker:</i> Elisabeth Abs (Switzerland)		
PS01-26AM-176	THE ROLE OF THE MPFC PYRAMIDAL NEURONS IN MEDIATING SOCIAL CHOICE	09:30 - 09:30
<i>Speaker:</i> Renad Jabarin (Israel)		
PS01-26AM-177	CONNECTIONAL SUBDIVISIONS REFLECT NEURONAL FEATURES OF THE VARIOUS SECTORS OF THE MACAQUE VENTROLATERAL PREFRONTAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Claudio Basile (Italy)		
PS01-26AM-178	LINKING SENSORY STIMULI TO AVOIDANCE BEHAVIOR: INVESTIGATING THE ROLE OF ADAPTIVE CELL POPULATIONS IN PREFRONTAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Anh Duong Vo (Switzerland)		
PS01-26AM-179	PREFRONTAL INTERACTIONS DURING RULE-GUIDED DECISION-MAKING IN MACAQUES	09:30 - 09:30
<i>Speaker:</i> Juan Galeazzi (United Kingdom)		
PS01-26AM-180	NEURONAL CORRELATES OF RANK-ORDER BASED DECISION MAKING WITHIN DIFFERENT CELL CLASSES OF PRIMATE PREFRONTAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Surabhi Ramawat (Italy)		
PS01-26AM-181	ACTIVITY OF DISTINCT EXCITATORY POPULATIONS IN PREFRONTAL CORTEX DURING DECISION MAKING IN MICE	09:30 - 09:30
<i>Speaker:</i> Marina Slashcheva (Sweden)		
PS01-26AM-182	INTRINSIC ELECTROPHYSIOLOGICAL FEATURES OF NEURONS IN THE LATERAL PREFRONTAL AND PRIMARY VISUAL CORTEX OF THE COMMON MARMOSSET	09:30 - 09:30
<i>Speaker:</i> Michael Feyerabend (Canada)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 01 - Amyotrophic Lateral Sclerosis Research		
PS01-26AM-538	ADIPOSE DERIVED NEURAL STEM-LIKE CELLS AS A HUMAN MODEL OF ALS MOTONEURONS	09:30 - 09:30
<i>Speaker:</i> Marta Martinez (Spain)		
PS01-26AM-539	CHAPERONE MEDIATED AUTOPHAGY IS DEFICIENT IN SPINAL MOTONEURONS OF ALS PATIENTS	09:30 - 09:30
<i>Speaker:</i> Daniel Garrigos (Spain)		
PS01-26AM-540	THE KNOCKING-DOWN OF THE RESTRICTIVE ELEMENT 1-SILENCING TRANSCRIPTION FACTOR (REST) IMPROVES SYMPTOMS AND LIMIT MOTOR NEURONS DEGENERATION IN A MOUSE MODEL OF AMYOTROPHIC LATERAL SCLEROSIS	09:30 - 09:30
<i>Speaker:</i> Natascia Guida (Italy)		
PS01-26AM-541	WHEN YOUR SUPPORT CELLS AREN'T THAT SUPPORTIVE: ASTROCYTIC ALTERATIONS CONTRIBUTE TO EARLY IMPAIRMENTS IN THE MOTOR CORTEX PLASTICITY OF	09:30 - 09:30

PRESYMPTOMATIC SOD1^{G93A} MICE*Speaker:* Sara Costa-Pinto (Portugal)

PS01-26AM-542 **DISEASE-ASSOCIATED MICROGLIA-DEPENDENT AND INDEPENDENT PATHOPHYSIOLOGY IN SPINAL CORD LESIONS IN AMYOTROPHIC LATERAL SCLEROSIS** 09:30 - 09:30

Speaker: Kazuya Takahashi (Japan)

PS01-26AM-543 **SOD1OPATHY IN SPORADIC AMYOTROPHIC LATERAL SCLEROSIS WITH HIGH PLASMA MISFOLDED SOD1 PROTEIN LEVEL AND SPECIFIC ELECTROPHYSIOLOGICAL PATTERN** 09:30 - 09:30

Speaker: Li-Kai Tsai (Taiwan)

PS01-26AM-544 **THERAPEUTIC ADMINISTRATION OF THE BORNA VIRUS X PROTEIN BY A VIRAL VECTOR AAV10 IN A MOUSE MODEL OF ALS** 09:30 - 09:30

Speaker: Jéflie Tourmezy (France)

PS01-26AM-545 **DIETARY NMN SUPPLEMENTATION ENHANCES MOTOR AND NMJ FUNCTION IN SOD1^{G93A} MOUSE MODEL OF ALS** 09:30 - 09:30

Speaker: Shinghua Ding (United States)

PS01-26AM-546 **THE GPT HSOD1 G93A MOUSE MODEL CAN RECAPITULATE PROGRESSIVE ALS-LIKE PHENOTYPES** 09:30 - 09:30

Speaker: Hao Qi (China)

PS01-26AM-547 **THERAPEUTIC EFFECT OF EXTRACELLULAR VESICLES DERIVED FROM MESENCHYMAL STEM CELLS IN AMYOTROPHIC LATERAL SCLEROSIS** 09:30 - 09:30

Speaker: Francesca Bacchetti (Italy)

PS01-26AM-548 **THE ASSOCIATION BETWEEN REDUCED RESPIRATORY FUNCTION AND COGNITION IN AMYOTROPHIC LATERAL SCLEROSIS** 09:30 - 09:30

Speaker: Ana Kuder (Slovenia)

PS01-26AM-549 **CORRELATION BETWEEN MOTONEURONAL SURVIVAL AND VEGF EXPRESSION IN BRAINSTEM MOTONEURONS IN THE SOD1 ALS MURINE MODEL** 09:30 - 09:30

Speaker: Silvia Silva Hucha (Spain)

PS01-26AM-550 **NETWORK FUNCTION AND ELECTROPHYSIOLOGICAL PROPERTIES ARE IMPAIRED IN CORTICOMOTOR NEURONS OF C9ORF72 LOSS-OF-FUNCTION AND GAIN-OF-FUNCTION ALS MOUSE MODELS** 09:30 - 09:30

Speaker: Miranda de Saint-Rome (Canada)

PS01-26AM-551 **ONE-CARBON METABOLISM CONTRIBUTION TO CORTICOSPINAL NEURON DEVELOPMENT IN MOUSE MODELS OF AMYOTROPHIC LATERAL SCLEROSIS** 09:30 - 09:30

Speaker: Marina Hernan Godoy (France)

PS01-26AM-553 **STRATIFICATION OF ALS PROGRESSION BY A COMBINED MOTOR AND BEHAVIOURAL TRACKING APPROACH FOR PRE-CLINICAL DRUG VALIDATION** 09:30 - 09:30

Speaker: Hanna Trebesova (Italy)

PS01-26AM-554 **DUAL ROLES OF NEURONAL AND MICROGLIAL P2X4 RECEPTOR IN ALS** 09:30 - 09:30

Speaker: Sara Carracedo (France)

PS01-26AM-555 **SOURCING HUMAN BONE MARROW STROMAL CELL-DERIVED MOTOR NEURON PROGENITORS FOR CELL REPLACEMENT THERAPY OF AMYOTROPHIC LATERAL SCLEROSIS** 09:30 - 09:30

Speaker: Daisy Kwok-Yan Shum (Hong Kong)

PS01-26AM-556 **LONGITUDINAL ASSESSMENT OF ALS PATIENT-DERIVED MOTOR** 09:30 - 09:30

NEURONS REVEALS ALTERED NETWORK DYNAMICS AND SYNAPTIC IMPAIRMENT

Speaker: Anna Mikalsen Kollstroem (Norway)

PS01-26AM-557 **EPIGENETIC TARGETS OF TOXIC METALS IMPLICATED IN AMYOTROPHIC LATERAL SCLEROSIS DEVELOPMENT: A BIOINFORMATIC PERSPECTIVE** 09:30 - 09:30

Speaker: Katarina Živančević (Serbia)

PS01-26AM-558 **THE MITOCHONDRIA-TARGETED ANTIOXIDANT ANTIOXCIN4 MITIGATES CARDIAC OXIDATIVE/NITROSATIVE STRESS IN THE AMYOTROPHIC LATERAL SCLEROSIS *SOD1*^{G93A} MOUSE** 09:30 - 09:30

Speaker: Débora Mena (Portugal)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Neuroendocrine Signalling

PS01-26AM-521 **FEMALE BRAIN AND HEALTHY AGING: THE PIVOTAL ROLE OF THE NPY-1R REGULATION** 09:30 - 09:30

Speaker: Niccolò Di Cintio (Italy)

PS01-26AM-522 **SELECTIVE ESTROGEN RECEPTOR AGONISTS CONFER MINIMAL PROTECTION FROM GLOBAL CEREBRAL ISCHEMIA BUT SHOW IMPACTS ON ANXIETY-LIKE BEHAVIOURS AND MICROGLIAL ACTIVATION** 09:30 - 09:30

Speaker: Marilou Poitras (Canada)

PS01-26AM-523 **ESTROGENIC REGULATION OF THE MOUSE AUDITORY CORTEX** 09:30 - 09:30

Speaker: Benjamin Campbell (Canada)

PS01-26AM-524 **MECHANISMS UNDERLYING ESTROGEN PROTECTION AGAINST PACLITAXEL-INDUCED PERIPHERAL NEUROPATHY: MODULATION OF UPSTREAM AND DOWNSTREAM SIGNALS OF HIGH MOBILITY GROUP BOX 1** 09:30 - 09:30

Speaker: Atsufumi Kawabata (Japan)

PS01-26AM-525 **SEX-DEPENDENT BDNF-MEDIATED EFFECTS OF FINGOLIMOD ON THE ARCHITECTURE OF MOUSE HIPPOCAMPAL NEURONS** 09:30 - 09:30

Speaker: Aiswaria Lekshmi Kannan (Germany)

PS01-26AM-526 ***IN VITRO* TREATMENT OF RAT PRIMARY HIPPOCAMPAL NEURONS WITH 17-A-ETHINYL ESTRADIOL SHAPES SYNAPTIC SPINES: MOLECULAR, MORPHOLOGICAL AND FUNCTIONAL EFFECTS** 09:30 - 09:30

Speaker: Melania Maria Serafini (Italy)

PS01-26AM-527 **ESTROGEN EFFECTS ON NEURITOGENESIS OF NGF-DIFFERENTIATED PC12 NEURONAL CELLS VIA GENOMIC VERSUS NON-GENOMIC PATHWAYS: A MICROANATOMICAL ANALYSIS** 09:30 - 09:30

Speaker: Zuraiha Waffa (Germany)

PS01-26AM-528 **SEX AND AGE MODULATE GENE EXPRESSION OF EPIGENETIC AND ESTRADIOL SIGNALING IN THE MOUSE TRIGEMINAL GANGLION** 09:30 - 09:30

Speaker: Álvaro Bautista-Abad de la Cruz (Spain)

PS01-26AM-529 **THE PEPTIDERGIC CONTROL CIRCUIT FOR OVARIAN CYCLES** 09:30 - 09:30

Speaker: Lanxiang Li (China)

PS01-26AM-530 **ACTIVATION OF NON-NUCLEAR ESTROGEN RECEPTOR SIGNALING PATHWAYS WITH PAPE-1 AS A POTENTIAL REMEDY FOR AMYLOID-BETA INDUCED TOXICITY: IMPACT ON AUTOPHAGY** 09:30 - 09:30

Speaker: Bernadeta Pietrzak-Wawrzyńska (Poland)

PS01-26AM-531	POST-TREATMENT APPROACH FOR HYPOXIA AND ISCHEMIA: SELECTIVE TARGETING OF NON-NUCLEAR ESTROGEN RECEPTORS SIGNALING PATHWAY INHIBITS NEUROTOXICITY AND APOPTOSIS	09:30 - 09:30
<i>Speaker:</i> Andrzej Łach (Poland)		
PS01-26AM-532	THE ESTROGEN-IMMUNE AXIS: A KEY REGULATOR OF BEHAVIOURAL INFLEXIBILITY	09:30 - 09:30
<i>Speaker:</i> Mairead Sullivan (Ireland)		
PS01-26AM-533	SILENT KILLERS IN YOUR EVERYDAY PRODUCTS: UNVEILING THE NEUROTOXIC EFFECTS OF ENDOCRINE DISRUPTING MOLECULES	09:30 - 09:30
<i>Speaker:</i> Camilla Corrieri (Italy)		
PS01-26AM-534	WOMEN ARE JUST COOLER: EXAMINING THE INFLUENCE OF OESTRADIOL IN MOUSE TORPOR	09:30 - 09:30
<i>Speaker:</i> Christopher Marshall (United Kingdom)		
PS01-26AM-535	SEX HORMONES-DEPENDENT MODULATION OF THALAMIC INPUTS TO STRIATAL FAST-SPIKING INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Mariaelena Veggi (Italy)		
PS01-26AM-536	ESTROGEN RECEPTOR BETA NEURONAL NETWORK REGULATES SOCIAL BEHAVIORS IN MICE	09:30 - 09:30
<i>Speaker:</i> Sonoko Ogawa (Japan)		
PS01-26AM-537	CENTRAL SELENOT EXPRESSION REGULATES GONADOTROPE AXIS FUNCTION, SEXUAL BEHAVIOR AND FERTILITY IN MALE AND FEMALE MICE	09:30 - 09:30
<i>Speaker:</i> ben yamine mallouki (France)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
PS01 - Poster Session 01 (Poster authors in attendance: 11:30 - 13:00)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 01 - Retinal Ganglion Cell Dynamics		
PS01-26AM-365	CHARACTERIZATION OF CELL TYPE DISTRIBUTION AND DEVELOPMENT OF MOUSE AREA CENTRALIS	09:30 - 09:30
<i>Speaker:</i> Diana Petre (Romania)		
PS01-26AM-366	PARTICULARITIES OF DEVELOPPING HUMAN RETINAL GANGLION CELLS COMPARED TO THEIR MURINE ORTHOLOGUES	09:30 - 09:30
<i>Speaker:</i> Raluca Pascalau (Romania)		
PS01-26AM-367	PUPILLARY DRIVEN BINOCULAR INTEGRATION IN RETINAL GANGLION CELLS	09:30 - 09:30
<i>Speaker:</i> Tjasa Lapanja (Italy)		
PS01-26AM-368	THE PUPILLARY LIGHT REFLEX DRIVES EVOKED RESPONSES IN RETINAL GANGLION CELLS	09:30 - 09:30
<i>Speaker:</i> Pietro Micheli (Italy)		
PS01-26AM-369	RETINAL GANGLION CELL TOPOGRAPHY AND SPATIAL RESOLUTION ESTIMATION IN HEDGEHOGS (EULIPOTYPHLA: ERINACEIDAE: ERINACEUS)	09:30 - 09:30
<i>Speaker:</i> Martin Glösmann (Austria)		
PS01-26AM-370	TOPOGRAPHY OF ROD AND CONE PHOTORECEPTORS IN THE RETINA OF THE EURASIAN RED SQUIRREL (SCIURUS VULGARIS)	09:30 - 09:30
<i>Speaker:</i> Alina Scheer (Austria)		

PS01-26AM-371	MOUSE RETINAL ROD BIPOLAR CELLS EXPRESS DIFFERENT L-TYPE CA CHANNEL TRANSCRIPTS	09:30 - 09:30
	<i>Speaker:</i> Elisa Roth (Austria)	
PS01-26AM-372	PATHOGENIC CAV1.4 VARIANTS DIFFERENTIALLY AFFECT RETINAL PATHWAYS	09:30 - 09:30
	<i>Speaker:</i> Matthias Ganglberger (Austria)	
PS01-26AM-373	COMPARATIVE ANALYSIS OF BIOPHYSICAL PROPERTIES OF ON-ALPHA SUSTAINED RGCS IN WILD-TYPE AND RD10 RETINA	09:30 - 09:30
	<i>Speaker:</i> Viktoria Kiraly (Austria)	
PS01-26AM-374	INTRINSIC SPIKING PROPERTIES VARY ACROSS DIFFERENT TYPES OF ALPHA RETINAL GANGLION CELLS	09:30 - 09:30
	<i>Speaker:</i> Paul Werginz (Austria)	
PS01-26AM-375	INFLUENCE OF DENDRITIC MORPHOLOGY ON SPIKE GENERATION IN ALPHA RETINAL GANGLION CELLS	09:30 - 09:30
	<i>Speaker:</i> David Ernstberger (Austria)	
PS01-26AM-376	SUSTAINED MICROGLIA LOSS DURING DEVELOPMENT ALTERS RETINAL GANGLION CELL FIRING DURING ADULTHOOD	09:30 - 09:30
	<i>Speaker:</i> Natalie Oezgen (Austria)	
PS01-26AM-377	IPRGCS MODULATE CALCIUM RESPONSE OF AVP NEURONS IN CENTRAL CLOCK	09:30 - 09:30
	<i>Speaker:</i> Chi Wen Liang (Taiwan)	
PS01-26AM-378	RETINAL GANGLION CELL TYPE-SPECIFIC EXPRESSION AND SUB-CELLULAR LOCALIZATION OF TUSC5/TRARG1 PROTEIN IN TUSC5^{EGFP} MICE	09:30 - 09:30
	<i>Speaker:</i> Vladimir Muzyka (Romania)	
PS01-26AM-379	VISUAL THALAMUS ADAPTIVE RESPONSE TO IMBALANCE SENSORY INPUT: DECRYPTING MOLECULAR MECHANISMS IN AMBLYOPIA	09:30 - 09:30
	<i>Speaker:</i> Béatrice Marquèze-Pouey (France)	
PS01-26AM-380	THE EARLY LIGHT EXPERIENCE ALTERS STAGE II RETINAL WAVES VIA DOPAMINE-MODULATED PATHWAY IN THE DEVELOPING MOUSE RETINA	09:30 - 09:30
	<i>Speaker:</i> Bo-Ze Liao (Taiwan)	
PS01-26AM-381	EFFECTS OF VEGF AND BDNF ADMINISTRATION ON KCC2 LEVELS IN AXOTOMIZED EXTRAOCULAR MOTONEURONS	09:30 - 09:30
	<i>Speaker:</i> Jaime Capilla-López (Spain)	
PS01-26AM-382	FUNCTIONAL AND MORPHOLOGICAL CHARACTERIZATION OF ZEBRAFISH RETINAL GANGLION CELL SUBTYPES EXPRESSING THE TRANSCRIPTION FACTOR SATB2	09:30 - 09:30
	<i>Speaker:</i> Ayjan Urazbayeva (Japan)	
PS01-26AM-383	MOLECULAR MARKERS OF OCULOMOTOR MOTONEURONS IN ADULT MICE	09:30 - 09:30
	<i>Speaker:</i> Alonso Cerdeño-Arévalo (Spain)	
PS01-26AM-384	POSTNATAL DEVELOPMENTAL DYNAMICS OF CHOLINE ACETYLTRANSFERASE (CHAT) AND NERVE GROWTH FACTOR (NGF) EXPRESSION IN RAT OCULOMOTOR SYSTEM	09:30 - 09:30
	<i>Speaker:</i> Diego Baena-López (Spain)	
PS01-26AM-385	VISUAL ACTIVITY ENHANCES NEURONAL EXCITABILITY IN THALAMIC RELAY NEURONS	09:30 - 09:30
	<i>Speaker:</i> Dominique Debanne (France)	
PS01-26AM-386	CHARACTERIZATION OF RETINAL SIGNAL TRANSFORMATION IN	09:30 - 09:30

THE MOUSE SUPERIOR COLLICULUS*Speaker:* Firdaouss Zemmouri (Italy)

PS01-26AM-387 **HISTAMINERGIC CIRCADIAN MODULATION OF MOUSE RETINAL OUTPUT IN VIVO** 09:30 - 09:30

Speaker: Hiroki Asari (Italy)

PS01-26AM-388 **REST AS A TARGET FOR VISION RESTORATION** 09:30 - 09:30

Speaker: Dmytro Shmal (Italy)

PS01-26AM-389 **RESTORATIVE POTENTIAL OF CILIARY BODY CELLS IN A RETINAL GANGLION CELL DEGENERATION MODEL** 09:30 - 09:30

Speaker: Marta Fernandez Nogales (Spain)

PS01-26AM-390 **RETINAL INNER NUCLEAR LAYER THICKNESS IN THE DIAGNOSIS OF COGNITIVE IMPAIRMENT EXPLORED USING A MOUSE MODEL** 09:30 - 09:30

Speaker: Bhavya Chawdhary (New Zealand)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 01 - Alzheimer's Disease Synaptic Dysfunction

PS01-26AM-250 **ALTERATION OF NMDA RECEPTORS IN DIFFERENT EXCITATORY SYNAPSES IN THE HIPPOCAMPUS OF APP/PS1 TRANSGENIC MICE** 09:30 - 09:30

Speaker: Rocío Alfaro Ruiz (Spain)

PS01-26AM-251 **DISRUPTED NANOSCALE ORGANIZATION OF GABA_B RECEPTORS AND CA_v2.1 CHANNELS IN THE HIPPOCAMPUS OF APP/PS1 MICE** 09:30 - 09:30

Speaker: Carolina Aguado (Spain)

PS01-26AM-252 **RESILIENCE TO CHANGES IN HIPPOCAMPAL EXCITATORY SYNAPSES CONTRIBUTE TO COGNITIVELY HEALTHY TG2576 MICE** 09:30 - 09:30

Speaker: María de los Llanos Martínez Poyato (Spain)

PS01-26AM-253 **ROLE OF THE AMYLOID PRECURSOR PROTEIN IN PRESYNAPTIC PLASTICITY AT HIPPOCAMPAL MOSSY FIBER SYNAPSES** 09:30 - 09:30

Speaker: Ana Moreira de Sá (France)

PS01-26AM-254 **PHYSIOLOGICAL ROLE OF THE AMYLOID PRECURSOR PROTEIN (APP) IN GABAERGIC SYNAPTIC TRANSMISSION WITHIN THE CA3 CIRCUIT** 09:30 - 09:30

Speaker: Anaël Erhardt (France)

PS01-26AM-255 **INVESTIGATING SYNAPTIC DYSFUNCTION CAUSED BY AMPA RECEPTOR TRAFFICKING TO LYOSOMES IN FAMILIAL ALZHEIMER'S DISEASE IPSC-DERIVED NEURONS** 09:30 - 09:30

Speaker: Anne Dewitz (United Kingdom)

PS01-26AM-256 **AN ALTERED REGULATION OF FLOTILLIN-1 IN ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Subash Chandra Malik (Sweden)

PS01-26AM-257 **ATP8A2 CONTROLS PHOSPHATIDYLSERINE EXTERNALISATION, STRUCTURAL INTEGRITY AND SURVIVAL IN NEURONS** 09:30 - 09:30

Speaker: Adriana Schneider (Germany)

PS01-26AM-258 **LYSOSOMES AND SYNAPSES: INVESTIGATING THE ROLE OF LYSOSOMAL PROTEIN CLN3 IN SYNAPTIC FUNCTION AND HOMEOSTASIS** 09:30 - 09:30

Speaker: Masood Ahmad Wani (Germany)

PS01-26AM-259 **REELIN AFFECTS THE LIPID COMPOSITION OF THE NEURONAL** 09:30 - 09:30

PLASMA MEMBRANE*Speaker:* Yuto Takekoshi (Japan)

PS01-26AM-260 **PHOSPHOLYPASE GAMMA2 A GENETIC RISK FACTOR FOR ALZHEIMER'S DISEASE THAT ALTER THE SYNAPTIC INPUT IN GRANULAR CELLS THROUGH ALTERATION IN MOSSY FIBER BOUTONS** 09:30 - 09:30

Speaker: Avishek Roy (France)

PS01-26AM-261 **RNF10 ROLE IN SYNAPTIC PLASTICITY AND ALZHEIMER DISEASE** 09:30 - 09:30

Speaker: JOSE IGNACIO GOMEZ BLANCO (Italy)

PS01-26AM-262 **STABILIZATION OF THE RETROMER WITH TOOL COMPOUNDS AMELIORATES SYNAPTIC DYSFUNCTION IN THE ALZHEIMER'S DISEASE MODEL 5XFAD** 09:30 - 09:30

Speaker: David Ramonet (Sweden)

PS01-26AM-263 **MODIFIED SYNAPTIC AND EXTRASYNAPTIC DISTRIBUTION OF NMDA RECEPTORS IN CORTEX OF ALZHEIMER'S DISEASE INDIVIDUALS** 09:30 - 09:30

Speaker: Inmaculada Cuchillo-Ibañez (Spain)

PS01-26AM-264 **BUILDING A FUNCTIONAL ATLAS OF SYNAPTIC/DENDRITIC SIGNALING TO COMPARE YOUNG, HEALTHY-AGING, AND PATHOLOGICAL-AGING BRAINS** 09:30 - 09:30

Speaker: Michelle DSouza (India)

PS01-26AM-265 **ATP6V1A IS REQUIRED FOR SYNAPTIC REARRANGEMENT AND PLASTICITY IN MURINE HIPPOCAMPAL NEURONS** 09:30 - 09:30

Speaker: Antonio Falace (Italy)

PS01-26AM-266 **USING A TARGETED PROTEIN DEGRADATION TECHNIQUE TO STUDY SYNAPTIC COMPENSATION MECHANISMS COUNTERING SYNAPSE LOSS IN ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Ya Yin Chang (United Kingdom)

PS01-26AM-267 **THE EFFECT OF AMYLOID-B ON SYNAPSES DEPENDS ON THEIR AMPA AND NMDA RECEPTOR SUBUNIT COMPOSITION** 09:30 - 09:30

Speaker: Lucas Lumeij (Netherlands)

PS01-26AM-268 **INVESTIGATING THE ROLE OF SNX27-RETROMER IN EXCITATORY/INHIBITORY BALANCE IN HEALTH AND DISEASE** 09:30 - 09:30

Speaker: Wesleigh Dunn (United Kingdom)

PS01-26AM-269 **ROLE OF ALZHEIMER'S DISEASE IN THE NEUROSENSORY HYPOACUSIA ASSOCIATED WITH ALTERATION IN VOLTAGE GATE POTASSIUM ION CHANNELS** 09:30 - 09:30

Speaker: Miren Revuelta (Spain)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 01 - Synaptic Plasticity

PS01-26AM-291 **SYNAPTIC POTENTIATION BY AMPA RECEPTOR 'UNIDLING'** 09:30 - 09:30

Speaker: Elisa Panzeri (Germany)

PS01-26AM-292 **SILENT SYNAPSE BASED MECHANISM TO MANIPULATE DRUG-ASSOCIATED MEMORIES** 09:30 - 09:30

Speaker: Paloma Huguet (Germany)

PS01-26AM-293 **MOLECULAR CHANGES INDUCED BY NOVELTY EXPOSURE** 09:30 - 09:30

Speaker: Yixuan Chen (Germany)

PS01-26AM-294 **NMDAR-DEPENDENT SYNAPSE FORMATION IN THE** 09:30 - 09:30

HIPPOCAMPUS*Speaker:* Noah Leibold (United Kingdom)

PS01-26AM-295 **THE ROLE OF NEUROTRANSMITTER RELEASE IN THE FORMATION OF MOSSY FIBRE SYNAPSES** 09:30 - 09:30

Speaker: Nathalie Higgs (United Kingdom)

PS01-26AM-296 **DISTINCT FREQUENCY-DEPENDENT SYNAPTIC PLASTICITY AND NMDAR SUBUNIT CONTENT IN THE SUPRA- AND INFRAPYRAMIDAL BLADE OF THE DENTATE GYRUS IN FREELY BEHAVING ANIMALS** 09:30 - 09:30

Speaker: Juliane Böge (Germany)

PS01-26AM-297 **DIFFERENCES IN THE FREQUENCY-DEPENDENCY OF LTP AND LTD AT LATERAL AND MEDIAL PERFORANT PATH SYNAPSES IN RODENT DENTATE GYRUS REFLECT DISTINCT ROLES IN INFORMATION ENCODING** 09:30 - 09:30

Speaker: Jens Colitti-Klausnitzer (Germany)

PS01-26AM-298 **SPINE SYNAPSES NEWLY FORMED DURING MOTOR LEARNING ACCOMPANY MORE DISTANT PERISYNAPTIC ASTROCYTIC PROCESSES COMPARED TO STABLE SYNAPSES IN MOUSE PRIMARY MOTOR CORTEX** 09:30 - 09:30

Speaker: Yoshiyuki Kubota (Japan)

PS01-26AM-299 **LTP AT EXCITATORY SYNAPSES ONTO INHIBITORY INTERNEURONS IN THE HIPPOCAMPUS DEPENDS ON AMPA RECEPTOR SURFACE MOBILITY** 09:30 - 09:30

Speaker: Legeolas Velez (France)

PS01-26AM-300 **ARE NEWLY FORMED DENDRITIC SPINES NECESSARY FOR LONG-TERM MEMORY STORAGE?** 09:30 - 09:30

Speaker: Hiranmay Joag (Germany)

PS01-26AM-301 **STRUCTURAL SYNAPTIC HOMEOSTATIC PLASTICITY IN THE HIPPOCAMPUS OF LIVE MICE** 09:30 - 09:30

Speaker: Bhargavi Murthy (Germany)

PS01-26AM-302 **DISTINCT STRUCTURAL DYNAMICS OF CA1 INHIBITORY SYNAPSES IN NEURONAL COMPARTMENTS DURING MEMORY FORMATION** 09:30 - 09:30

Speaker: Hannah Klimmt (Germany)

PS01-26AM-303 **PARALLEL DECREASE OF SYNAPTIC CONNECTIVITY AND UNITARY SYNAPTIC EFFICACY, SUGGEST CODE TRANSFORMATION IN THE MOUSE HIPPOCAMPAL CA3 NETWORK DURING DEVELOPMENT** 09:30 - 09:30

Speaker: Victor Manuel Vargas Barroso (Austria)

PS01-26AM-304 **LOSS OF ARC/ARG3.1 DURING EARLY POSTNATAL DEVELOPMENT PERSISTENTLY CHANGES HIPPOCAMPAL SYNAPTIC TRANSMISSION IN ADULT MICE** 09:30 - 09:30

Speaker: Daniela Carolina Ballesteros Cadena (Germany)

PS01-26AM-305 **ROLE OF RIN1 IN SHAPING STRUCTURAL AND FUNCTIONAL PROPERTIES OF HIPPOCAMPAL SYNAPSES** 09:30 - 09:30

Speaker: Sara Suárez López (Germany)

PS01-26AM-306 **EVALUATION OF ULTRASTRUCTURAL CORRELATES FOR NEURONAL MEMBRANE REMODELING DURING TTX-INDUCED SYNAPTIC PLASTICITY** 09:30 - 09:30

Speaker: Gudrun Brandes (Germany)

PS01-26AM-307 **DYNAMICS OF POSTSYNAPTIC DENSITIES IN CA1 HIPPOCAMPAL NEURONS** 09:30 - 09:30

Speaker: Kristina Ponimaskine (Germany)

PS01-26AM-308	RAB3 MEDIATES CYCLIC AMP-DEPENDENT PRESYNAPTIC PLASTICITY AND OLFACTORY LEARNING	09:30 - 09:30
<i>Speaker:</i> Aishwarya Aravamudhan (Germany)		
PS01-26AM-309	CHOLINERGIC REGULATION OF DENDRITIC CA²⁺ SPIKES CONTROLS FIRING MODE OF HIPPOCAMPAL CA3 PYRAMIDAL NEURONS	09:30 - 09:30
<i>Speaker:</i> Noémi Kis (Hungary)		
PS01-26AM-310	KIBRA ANCHORING THE ACTION OF PKMZ MAINTAINS THE PERSISTENCE OF MEMORY	09:30 - 09:30
<i>Speaker:</i> Panayiotis Tsokas (United States)		
PS01-26AM-311	THE FUNCTION OF PERINEURONAL NETS, INTEGRINS, AND NEUROLIGIN-2 IN INPUT SPECIFIC GABAERGIC LONG-TERM PLASTICITY	09:30 - 09:30
<i>Speaker:</i> Wiera Grzegorz (Poland)		
PS01-26AM-312	PRESYNAPTIC PLASTICITY AND MEMORY ENCODING IN HIPPOCAMPAL CIRCUITS	09:30 - 09:30
<i>Speaker:</i> Catherine Marneffe (Belgium)		
PS01-26AM-313	THE ROLE OF NEOCORTICAL AND HIPPOCAMPAL PRESYNAPTIC NMDA RECEPTORS IN THE INDUCTION OF SPIKE TIMING-DEPENDENT LONG-TERM DEPRESSION	09:30 - 09:30
<i>Speaker:</i> Matthew Roxby (United Kingdom)		
PS01-26AM-314	LTP AND IEG EXPRESSION AT HIPPOCAMPAL SYNAPSES ARE NOT INDUCED BY CELL-AUTONOMOUS CAMP SIGNALLING	09:30 - 09:30
<i>Speaker:</i> Oana Constantin (Germany)		
PS01-26AM-315	SYNAPTIC PRUNING FOLLOWING NMDAR-DEPENDENT LTD PREFERENTIALLY AFFECTS ISOLATED SYNAPSES	09:30 - 09:30
<i>Speaker:</i> Eric Hosy (France)		
PS01-26AM-316	OPTICAL RECORDING OF UNITARY SYNAPTIC CONNECTIONS BETWEEN CA3 PYRAMIDAL CELLS USING VOLTRON IMAGING	09:30 - 09:30
<i>Speaker:</i> Janos Szabadics (Hungary)		
PS01-26AM-317	DUAL ROLES OF PIRB ON PRE- AND POSTSYNAPSE IN HIPPOCAMPAL ASYMMETRY	09:30 - 09:30
<i>Speaker:</i> Hana Stefanickova (Austria)		
PS01-26AM-318	HOMEOSTATIC PLASTICITY OF HUMAN LAYER 2/3 CORTICAL PYRAMIDAL NEURONS	09:30 - 09:30
<i>Speaker:</i> Verjina Metodieva (Germany)		
PS01-26AM-319	QUANTITATIVE MODELLING OF THE INTRACELLULAR BIOCHEMICAL MECHANISMS UNDERLYING LONG-TERM POTENTIATION IN A CA1 PYRAMIDAL CELL SPINE HEAD	09:30 - 09:30
<i>Speaker:</i> Gábor Farkas (Hungary)		
PS01-26AM-320	TIMING-DEPENDENT LTP AT SCHAFER COLLATERAL-CA1 SYNAPSES EXHIBITS A DORSO-VENTRAL GRADIENT OF GABAERGIC MODULATION IN THE MOUSE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Elke Edelman (Germany)		
PS01-26AM-321	LONG-TERM POTENTIATION AT THE MEDIAL PERFORANT PATH-GRANULE CELL SYNAPSE REQUIRES PROTEIN SYNTHESIS	09:30 - 09:30
<i>Speaker:</i> Ala Alhalholy (United States)		
PS01-26AM-322	SHORT TERM PLASTICITY OF HIPPOCAMPAL CA1 SYNAPSES FOR DIFFERENT PRESYNAPTIC ACTIVITY PATTERNS	09:30 - 09:30
<i>Speaker:</i> Sulu Mohan (India)		
PS01-26AM-323	ADENOSINE AND ASTROCYTES DETERMINE THE	09:30 - 09:30

DEVELOPMENTAL DYNAMICS OF SPIKE TIMING-DEPENDENT PLASTICITY IN THE SOMATOSENSORY CORTEX

Speaker: Antonio Rodriguez-Moreno (Spain)

PS01-26AM-324 **INTERACTION OF ACTIN DYNAMICS AND SPINE GEOMETRY ACTS AS A SYNAPTIC TAG** 09:30 - 09:30

Speaker: Mitha Thomas (Germany)

PS01-26AM-325 **INTERROGATING MODULATORY EFFECTS OF CA2 ON THE PERSISTENCE OF CA1 PLASTICITY IN MICE HIPPOCAMPUS** 09:30 - 09:30

Speaker: Mohammad Zaki Bin Ibrahim (Singapore)

PS01-26AM-326 **SHEDDING LIGHT ON PRESYNAPTIC PLASTICITY: SYNAPTIC PLASTICITY AT COMMISSURAL PROJECTION SYNAPSES IN HIPPOCAMPUS CA1** 09:30 - 09:30

Speaker: Benjamin Rost (Germany)

PS01-26AM-327 **LONG-TERM POTENTIATION (LTP) REQUIRES ASTROCYTES AND D-SERINE AT ENTORHINAL CORTEX LHII - CA1 SYNAPSES** 09:30 - 09:30

Speaker: Antonio González Matute (Spain)

PS01-26AM-328 **THE ROLE OF TENASCIN-C IN THE STRUCTURAL PLASTICITY OF PERINEURONAL NETS AND SYNAPTIC EXPRESSION IN THE MURINE HIPPOCAMPUS** 09:30 - 09:30

Speaker: Ana Jakovljevic (Serbia)

PS01-26AM-329 **A BOTTOM-UP APPROACH TO DISCRIMINATE ACTIVITY DEPENDENT AND ACTIVITY INDEPENDENT SYNAPTIC TURNOVER** 09:30 - 09:30

Speaker: Aaron Nagel (Germany)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Neurobiology of Mood Disorders

PS01-26AM-052 **SYNERGISTIC, LONG-TERM EFFECTS OF GLUTAMATE DEHYDROGENASE 1 DEFICIENCY AND MILD STRESS ON COGNITIVE FUNCTION AND MPFC GENE AND MIRNA EXPRESSION** 09:30 - 09:30

Speaker: Kfir Asraf (Israel)

PS01-26AM-053 **BEHAVIORAL ASSESSMENT OF COGNITIVE MODELS OF SCHIZOPHRENIA USING NOVEL MOUSE CANTAB-LIKE TEST BATTERY** 09:30 - 09:30

Speaker: Konstantin Andrianov (Israel)

PS01-26AM-054 **NON-CODING RNA CHANGES IN ADOLESCENT STRESS-EXPOSED FEMALE RATS AND THEIR OFFSPRING** 09:30 - 09:30

Speaker: Hiba Zaidan (Israel)

PS01-26AM-055 **A CNS-ENRICHED MIRNA AS A BIOMARKER FOR MAJOR DEPRESSIVE DISORDER** 09:30 - 09:30

Speaker: Eren Diniz (Germany)

PS01-26AM-056 **NEUID: A NOVEL LNCRNA EXCLUSIVELY EXPRESSED IN THE BRAIN AND CONTROLS NEURONAL FUNCTION AND IDENTITY** 09:30 - 09:30

Speaker: Ranjit Pradhan (Germany)

PS01-26AM-057 **P.T8I-VGLUT3 VARIANT AS A MARKER OF VULNERABILITY TO STRESS IN MICE** 09:30 - 09:30

Speaker: Stéphanie Daumas (France)

PS01-26AM-058 **ELEVATED EXPRESSION OF GLUTAMINOLYSIS-RELATED GENES IN THE PARAHIPPOCAMPAL CORTEX OF SUICIDAL INDIVIDUALS** 09:30 - 09:30

Speaker: Fanni Dóra (Hungary)

PS01-26AM-059	NEUTRAL SPHINGOMYELINASE MEDIATES THE COMORBIDITY TRIAS OF ALCOHOL ABUSE, MAJOR DEPRESSION AND BONE DEFECTS IN FEMALES	09:30 - 09:30
<i>Speaker:</i> Liubov Kalinichenko (Germany)		
PS01-26AM-060	UNRAVELLING THE CONTRIBUTION OF GLUA3 SUB-UNIT TO MOUSE BEHAVIOR: FROM AUTOANTIBODIES TO GENE DEPLETION	09:30 - 09:30
<i>Speaker:</i> Maria Italia (Italy)		
PS01-26AM-061	AGGRESSION CONTROL BY TYPE 2 DIABETES RISK GENE DUSP8	09:30 - 09:30
<i>Speaker:</i> Cristina Mencías (Germany)		
PS01-26AM-062	A SPECIFIC GPR56/ADGRG1 SPLICING ISOFORM IS ASSOCIATED WITH SUICIDAL BEHAVIOR AND ANTIDEPRESSANT RESPONSE IN MAJOR DEPRESSIVE DISORDER	09:30 - 09:30
<i>Speaker:</i> Montaine Lion (France)		
PS01-26AM-063	THE EFFECT OF VITAMIN D DEFICIENCY AND UNPREDICTABLE CHRONIC MILD STRESS ON MEMORY AND HIPPOCAMPAL PLASTICITY IN MIDDLE-AGED MICE	09:30 - 09:30
<i>Speaker:</i> Külli Jaako (Estonia)		
PS01-26AM-064	THE ROLE OF THE TRANSCRIPTION COACTIVATOR CRT1 IN NEUROINFLAMMATION AND DEPRESSION	09:30 - 09:30
<i>Speaker:</i> Irmak Çabas (Switzerland)		
PS01-26AM-065	KETOGENIC DIET BUFFERS BRAIN GENE EXPRESSION AND ETHANOL CONSUMPTION INDUCED BY VICARIOUS SOCIAL DEFEAT EXPOSURE IN FEMALE MICE	09:30 - 09:30
<i>Speaker:</i> Marta M Rodriguez Arias (Spain)		
PS01-26AM-066	A KEY ROLE OF REGULAR FIRING CELLS FROM CENTRAL AMYGDALA IN MOOD DISORDERS	09:30 - 09:30
<i>Speaker:</i> M. Isabel Aller (Spain)		
PS01-26AM-067	NEURONAL SMC3 REGULATES WEIGHT, BODY COMPOSITION, AND HORMONAL BALANCE IN PARALLEL WITH SEX-DEPENDENT EFFECTS ON ANXIETY BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Evan Elliott (Israel)		
PS01-26AM-068	MK-801 EFFECT ON NEGR1-DEFICIENT MOUSE METABOLOMICS AND POTENTIAL CONNECTIONS TO THE KYNURENINE PATHWAY	09:30 - 09:30
<i>Speaker:</i> Carolin Kuuskmäe (Estonia)		
PS01-26AM-069	ASTROCYTES PHAGOCYTTIC SEXUAL DIMORPHISM FOSTERS MAJOR DEPRESSIVE DISORDER THROUGH MEGF10 DYSFUNCTION	09:30 - 09:30
<i>Speaker:</i> Diego Julian Vesga Jimenez (Germany)		
PS01-26AM-070	ALTERATION OF MYELIN GENE EXPRESSION IN A MOUSE MODEL FOR GLUT1 DEFICIENCY SYNDROME	09:30 - 09:30
<i>Speaker:</i> Daphné Vorburger (Switzerland)		
PS01-26AM-071	ID-LINKED LYSINE DEMETHYLASE 1A AND 5C FUNCTIONALLY COLLABORATE TO PREVENT GENE DEREPRESSION AND NEURONAL MALFUNCTION IN ADULT EXCITATORY NEURONS	09:30 - 09:30
<i>Speaker:</i> Juan Paraiso (Spain)		
PS01-26AM-072	ARC/ARG3.1 EXPRESSION IN GABAERGIC INTERNEURONS AND ITS IMPACT ON ANXIETY- AND DEPRESSION-LIKE BEHAVIORS IN MICE	09:30 - 09:30
<i>Speaker:</i> Xiaoyu Yang (Germany)		
PS01-26AM-073	A NOVEL ROLE FOR LSD1 SPLICING MODULATION IN HOMEOSTATIC ADAPTATION TO CHRONIC STRESS	09:30 - 09:30

Speaker: Arteda Papekaj (Italy)

PS01-26AM-074 **THE EFFECT OF CHRONIC MONOSODIUM GLUTAMATE CONSUMPTION ON HIPPOCAMPAL DENDRITE MORPHOLOGY IN WISTAR AND GENETIC ABSENCE EPILEPTIC (GAERS) RATS** 09:30 - 09:30

Speaker: Sevdenuur Yazı (Turkey)

PS01-26AM-075 **STUDYING THE EFFECTS OF MILD AND SEVERE LYSINE DEFICIENCY ON HIPPOCAMPAL-RELATED FUNCTIONS** 09:30 - 09:30

Speaker: rim jaber (Lebanon)

PS01-26AM-076 **COMPARATIVE STUDY OF LIPIDOMIC CHANGES IN HUMAN BRAIN AFFECTED BY SCHIZOPHRENIA AND MAJOR DEPRESSIVE DISORDER** 09:30 - 09:30

Speaker: Dmitry Senko (Russian Federation)

PS01-26AM-077 **DIFFERENTIAL EXPRESSION AND ENRICHMENT ANALYSIS OF BRAIN ENERGY METABOLISM GENES IN SCHIZOPHRENIA** 09:30 - 09:30

Speaker: Ilona Mäkinen (Finland)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Epilepsy: Mechanisms and Monitoring

PS01-26AM-183 **ANALYZING AND MODELING SEEG SIGNALS DURING INTERICTAL TO ICTAL TRANSITION IN FOCAL EPILEPSY** 09:30 - 09:30

Speaker: Mehmet Alihan Kayabas (France)

PS01-26AM-184 **INDIVIDUALIZED INTERICTAL EPILEPTIFORM DISCHARGES DETECTOR** 09:30 - 09:30

Speaker: Mathias Peuvrier (France)

PS01-26AM-185 **ANALYSIS OF THE TRANSCRANIAL CURRENT STIMULATION IMPACT ON EPILEPTIC NETWORK ACTIVITY** 09:30 - 09:30

Speaker: Mariam Al Harrach (France)

PS01-26AM-186 **EXPANSION OF EPILEPTOGENIC NETWORKS VIA NEUROPLASTICITY** 09:30 - 09:30

Speaker: Elif Köksal-Ersöz (France)

PS01-26AM-187 **CLINICAL UTILITY OF ADVANCED NEUROIMAGING MODALITIES FOR EPILEPSY SURGERY ASSESSMENT** 09:30 - 09:30

Speaker: Gavin Winston (Canada)

PS01-26AM-188 **LANGUAGE LATERALITY INDICES IN EPILEPSY PATIENTS: A COMPARATIVE ANALYSIS OF FOUR PIPELINES** 09:30 - 09:30

Speaker: Andrea Ellsay (Canada)

PS01-26AM-189 **RELATION OF TOPOLOGICAL PATTERNS OF BRAIN NETWORK WITH COGNITIVE PHENOTYPES IDENTIFIED BY ROBOTIC ASSESSMENT IN PATIENTS WITH TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Karla Batista Garcia-Ramo (Canada)

PS01-26AM-190 **IMPAIRED CARDIORESPIRATORY RESPONSES TO HYPERCAPNIA IN A CHRONIC MODEL OF TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Ayse Dereli (Belgium)

PS01-26AM-191 **MODULATION OF VAGUS NERVE ACTIVITY DURING SPONTANEOUS RECURRENT SEIZURES IN THE KAINIC ACID MODEL OF TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Elena Acedo Reina (Belgium)

PS01-26AM-192 **HIGH-DENSITY EEG IN THE PILOCARPINE MODEL OF TEMPORAL LOBE EPILEPSY: A POWER SPECTRUM ANALYSIS OF TONIC-CLONIC SEIZURES** 09:30 - 09:30

Speaker: Beatrice Casadei Garofani (Italy)

PS01-26AM-193 **UNIQUE FREQUENCY AND EXCITABILITY CHARACTERISTICS SEEN FOR 5-9 HZ OSCILLATIONS PRECEDING ABSENCE SEIZURES** 09:30 - 09:30

Speaker: Eleni Nikalexi (Germany)

PS01-26AM-194 **NOVEL BIOMARKER OF SEIZURE ONSET ZONE BASED ON GRANGER CAUSALITY** 09:30 - 09:30

Speaker: Caleb Kugel (United States)

PS01-26AM-195 **ELECTROPHYSIOLOGICAL CORRELATES OF NEUROACTIVE STEROIDS TREATMENT IN THE PERINATAL FOCAL CEREBRAL ISCHEMIA MODEL IN IMMATURE RATS** 09:30 - 09:30

Speaker: Iqra Bano (Czech Republic)

PS01-26AM-196 **EXCITATORY-INHIBITORY BALANCE ASSESSED BY APERIODIC COMPONENT AND ITS CORRELATION WITH PAIRED-PULSE INHIBITION IN THE PRIMARY SOMATOSENSORY CORTEX: AN MEG STUDY** 09:30 - 09:30

Speaker: Naofumi Otsuru (Japan)

PS01-26AM-197 **COMPARISON OF SYNTHSEG PERFORMANCE BETWEEN 3T AND 7T MRI IN MR-NEGATIVE EPILEPSY** 09:30 - 09:30

Speaker: Haniye Shayeste (Austria)

PS01-26AM-198 **UNCOVERING THE IMPLICIT DYNAMICS OF THE SPONTANEOUS CORTICAL ACTIVITY TRANSITION TO EPILEPSY USING PHASE SPACE RECONSTRUCTION (PSR)** 09:30 - 09:30

Speaker: Alexia Karantana (Greece)

PS01-26AM-199 **CRITICAL DYNAMICS OF CORTICAL EXCITABILITY AND HIPPOCAMPAL SEIZURES** 09:30 - 09:30

Speaker: Gregory Lepeu (Switzerland)

PS01-26AM-200 **PATIENT SPECIFIC EEG SIMULATION OF FOCAL AND GENERALIZED EPILEPSY WITH A VIRTUAL HUMAN BRAIN BASED ON NEUROPHYSIOLOGY** 09:30 - 09:30

Speaker: Pascal Benquet (France)

PS01-26AM-201 **COMPLEX MECHANISMS RESPONSIBLE FOR THE PRESSOR RESPONSE OF ANGIOTENSIN 1-7 INJECTED INTO THE RAT PARAVENTRICULAR NUCLEUS OF THE HYPOTHALAMUS.** 09:30 - 09:30

Speaker: Krzysztof Mińczuk (Poland)

PS01-26AM-202 **BRAINSTEM DEPDC5 DELETION: IMPLICATIONS FOR BREATHING, SEIZURES, AND SUDEP IN DEPDC5-LINKED EPILEPSY** 09:30 - 09:30

Speaker: Mohd Yaqub MIR (United States)

PS01-26AM-203 **PROPERTIES AND PREDICTIVE POTENTIAL OF THE PRE-ICTAL OSCILLATORY DYNAMICS IN AN EX VIVO MODEL OF SEIZURE-LIKE ACTIVITY IN THE DIFFERENT HIPPOCAMPAL SUBREGIONS** 09:30 - 09:30

Speaker: Lida Vagiaki (Greece)

PS01-26AM-204 **REFRACTORY EPILEPSY PATIENT SEIZURE SOURCE LOCALIZATION FROM ICTAL SEEG DATA USING DYNAMIC MODE DECOMPOSITION** 09:30 - 09:30

Speaker: Matthew McCumber (United States)

PS01-26AM-205 **INVESTIGATING THE IMPACT OF SEIZURE-ASSOCIATED SPREADING DEPOLARISATION TO POSTICTAL DEPRESSION AND LOSS OF AROUSAL IN A NOVEL MODEL OF TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Neela Codadu (United Kingdom)

PS01-26AM-206 **REAL-TIME DETECTION OF SEIZURE ONSET IN CHILDHOOD** 09:30 - 09:30

ABSENCE EPILEPSY*Speaker:* Matthieu Aud'hui (France)

PS01-26AM-207 **TEMPORAL DEVELOPMENT OF SPONTANEOUS SEIZURES AND SEIZURE THRESHOLD AFTER NEONATAL ASPHYXIA AND THE EFFECT OF PROPHYLACTIC TREATMENT WITH MIDAZOLAM IN RATS** 09:30 - 09:30

Speaker: Ricardo Schmidt (Germany)

PS01-26AM-208 **SLEEP-WAKE VARIATIONS OF ELECTRODERMAL ACTIVITY IN BIPOLAR DISORDER** 09:30 - 09:30

Speaker: Clàudia Valenzuela Pascual (Spain)

PS01-26AM-209 **HEART RHYTHM IN THE DIAGNOSIS OF DISORDERS OF CONSCIOUSNESS** 09:30 - 09:30

Speaker: Aleksandra Bartnik (Poland)

PS01-26AM-210 **A TAXONOMY OF SEIZURE DYNAMOTYPES** 09:30 - 09:30

Speaker: Maria Luisa Saggio (France)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 01 - Spatial Transcriptomics and Brain Connectivity

PS01-26AM-347 **INTUITIVE ACCESS TO SPATIALLY LINKED BRAIN ACTIVITY AND TRANSCRIPTOMIC DATA USING BRAINTRAWLER** 09:30 - 09:30

Speaker: Tobias Peherstorfer (Austria)

PS01-26AM-348 **BRAINTRAWLER LITE: NAVIGATING THROUGH A MULTI-SCALE MULTI-MODAL GENE TRANSCRIPTOMICS DATA RESOURCE THROUGH A LIGHTWEIGHT USER INTERFACE** 09:30 - 09:30

Speaker: Bianca Burger (Austria)

PS01-26AM-349 **HIGH-THROUGHPUT NEURAL CONNECTIVITY MAPPING IN HUMAN BRAIN ORGANIDS** 09:30 - 09:30

Speaker: Abel Vertesy (Austria)

PS01-26AM-350 **SPATIAL TRANSCRIPTOMICS-CORRELATED ELECTRON MICROSCOPY INTEGRATES TRANSCRIPTIONAL AND ULTRASTRUCTURAL RESPONSES TO BRAIN INJURY** 09:30 - 09:30

Speaker: Peter Androvic (Germany)

PS01-26AM-351 **IMMUNOPHENOTYPIC PROFILING OF THE HUMAN CEREBRAL CORTEX IN PRENATAL DEVELOPMENT** 09:30 - 09:30

Speaker: Anastasia Kharlamova (Russian Federation)

PS01-26AM-352 **VISUALIZING THE TRANSCRIPTIONAL LANDSCAPE WITH TISSUE CONTEXT** 09:30 - 09:30

Speaker: Nathalie Agudelo Duenas (Austria)

PS01-26AM-353 **BRAIN-WIDE MONOSYNAPTIC CONNECTIVITY MAPPING WITH ROINET-SEQ** 09:30 - 09:30

Speaker: Zhige Lin (Israel)

PS01-26AM-354 **A REGION-RESOLVED PROTEOMIC MAP OF THE HUMAN BRAIN ENABLED BY HIGH-THROUGHPUT PROTEOMICS** 09:30 - 09:30

Speaker: Johanna Tueshaus (Germany)

PS01-26AM-355 **MODELLING REGIONAL SPECIFICATION IN BRAIN ORGANIDS USING A NOVEL MESOFLUIDIC DEVICE** 09:30 - 09:30

Speaker: Soraya Scuderi (United States)

PS01-26AM-356 **EVALUATION OF SYNAPTIC CONNECTIVITY AND DYSFUNCTION IN AGING MOUSE BRAINS USING A RNASCOPE MULTIOMIC SPATIAL IMAGING ASSAY (MSIA) THAT DETECTS RNA, PROTEINS** 09:30 - 09:30

AND PROTEIN INTERACTIONS*Speaker:* Chengxin Zhou (United States)

PS01-26AM-357 **SOLVING CELL-TYPE SPECIFIC 3-DIMENTIONAL GENOME ARCHITECTURE IN HETEROGENIOUS POPULATIONS** 09:30 - 09:30

Speaker: Rikke Rejnholdt Jensen (Denmark)

PS01-26AM-358 **THE ASYMMETRIC BRAIN: UTILISING HYPER-GRAVITY TO MANIPULATE DEVELOPMENTAL SYMMETRIES** 09:30 - 09:30

Speaker: Felix Graf (Germany)

PS01-26AM-359 **PROFILING NON-CODING RNA EXPRESSION IN BRAIN TISSUE VIA IN SITU HYBRIDIZATION** 09:30 - 09:30

Speaker: Hartmut Pohl (Switzerland)

PS01-26AM-360 **SCIENTIFIC AND PUBLIC OUTREACH OF CELL TYPE TAXONOMY TOOLS** 09:30 - 09:30

Speaker: Rachel Hostetler (United States)

PS01-26AM-361 **HUMAN BRAIN ECM: FROM MORPHOGENETIC ROLE TO SPECIFICATION OF CORTICAL MICROCIRCUITRIES** 09:30 - 09:30

Speaker: Natasa Jovanov Milosevic (Croatia)

PS01-26AM-362 **MACHINE LEARNING-BASED EXPLORATION OF LONG NONCODING RNAS LINKED TO PERIVASCULAR LESIONS IN THE BRAIN** 09:30 - 09:30

Speaker: Masakazu Umezawa (Japan)

PS01-26AM-363 **AN UNBIASED AAV-STARR-SEQ SCREEN REVEALING THE ENHANCER ACTIVITY MAP OF GENOMIC REGIONS IN THE MOUSE BRAIN IN VIVO** 09:30 - 09:30

Speaker: Ya-Chien Chan (Germany)

PS01-26AM-364 **IN OVO RNAI AS AN EFFICIENT TOOL TO EXPLORE MOLECULAR MECHANISMS OF NEURAL CIRCUIT FORMATION IN THE CEREBELLUM OF CHICKEN EMBRYOS** 09:30 - 09:30

Speaker: Aikaterini (Katerina) Koutourlou (Switzerland)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 01 - Neurodegenerative Disease

PS01-26AM-417 **REPURPOSING POMALIDOMIDE AS A NEUROPROTECTIVE DRUG IN AN ALPHA-SYNUCLEIN-BASED MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Michela Etzi (Italy)

PS01-26AM-418 **DYSREGULATION IN MICROGLIA-RELATED IMMUNE RESPONSES IN COGNITIVE IMPAIRMENT ASSOCIATED WITH PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Maria Francesca Palmas (Italy)

PS01-26AM-419 **ROLE OF THE MEDIAL PREFRONTAL CORTEX, STRIATUM AND NUCLEUS ACCUMBENS IN THE EMISSION OF 50-KHZ ULTRASONIC VOCALIZATIONS IN HEMIPARKINSONIAN RATS TREATED WITH DOPAMINERGIC DRUGS** 09:30 - 09:30

Speaker: Jacopo Marongiu (Italy)

PS01-26AM-420 **PARAQUAT AND 6-HYDROXYDOPAMINE MODULATE NUCLEOTIDE AND NUCLEOSIDE CATABOLISM IN ZEBRAFISH** 09:30 - 09:30

Speaker: Carla Denise Bonan (Brazil)

PS01-26AM-421 **ASSESSING THE THERAPEUTIC IMPACT OF A 7-DAY N-ACETYL CYSTEINE TREATMENT IN A PRECLINICAL MODEL OF PARKINSON'S DISEASE: BEHAVIORAL AND MOLECULAR** 09:30 - 09:30

INSIGHTS*Speaker:* Rita Caridade (Portugal)

PS01-26AM-422 **BEHAVIOR AND CELLULAR ALTERATIONS IN A PRE-CLINICAL MODEL OF PARKINSON'S DISEASE WITH ABROGATED ADULT HIPPOCAMPAL CYTOGENESIS** 09:30 - 09:30

Speaker: Bruna Araújo (Portugal)

PS01-26AM-423 **NEUROPROTECTIVE EFFECT OF BICIFADINE, SERTRALINE AND TIAGABINE WITH AUTOPHAGY-INDUCING ACTIVITY IN 6-HYDROXIDOPAMINE PARKINSON'S MODELS** 09:30 - 09:30

Speaker: Chaemi Lee (Korea, Republic of)

PS01-26AM-424 **IDENTIFICATION OF SMALL MOLECULAR INHIBITORS TARGETING ATXN1-C1C INTERACTION FOR ALLEVIATING NEUROLOGICAL PATHOGENESIS IN SCA1 CELL MODEL** 09:30 - 09:30

Speaker: Jeewoo Kim (Korea, Republic of)

PS01-26AM-425 **PHARMACOLOGICAL MODULATION OF NRF2 PATHWAY IN ALPHA-SYNUCLEIN MOUSE MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Michela Salvadè (Italy)

PS01-26AM-426 **UNVEILING THE INFLUENCE OF MELANIN ON MORPHOLOGICAL AND FUNCTIONAL STATES OF RAT BRAIN NEURONS IN A ROTENONE-INDUCED PARKINSON'S DISEASE MODEL** 09:30 - 09:30

Speaker: Kristina Nebogova (Armenia)

PS01-26AM-427 **A PEDF DERIVED PEPTIDE PROTECTS AGAINST SODIUM IODATE-INDUCED FERROPTOSIS IN RETINAL PIGMENT EPITHELIAL CELLS AND RETINAL DEGENERATION IN RATS** 09:30 - 09:30

Speaker: Yeou-Ping Tsao (Taiwan)

PS01-26AM-429 **EXPLORING THE NEUROPROTECTIVE EFFECTS OF NICOTINE AGAINST MPTP-INDUCED NEURONAL DAMAGE IN MICE: INSIGHTS INTO ANTIOXIDANT SYSTEM** 09:30 - 09:30

Speaker: Nikoloz Zhgenti (Georgia)

PS01-26AM-430 **CHARACTERISATION OF THE NEUROPROTECTIVE EFFECTS OF THE NEW METABOTROPIC GLUTAMATE RECEPTOR 3 POSITIVE ALLOSTERIC MODULATOR AGAINST DOPAMINERGIC DEGENERATION IN PARKINSON'S DISEASE MODELS** 09:30 - 09:30

Speaker: Giulia Urone (Italy)

PS01-26AM-431 **TARGETING THE T-CELL RESPONSE AS A NOVEL THERAPEUTIC STRATEGY FOR PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Federica Maria Conedera (Switzerland)

PS01-26AM-432 **INHIBITING DJ-1 OXIDATION REDUCES NEUROFUNCTIONAL DEFICITS AFTER EXPERIMENTAL INTRACEREBRAL HAEMORRHAGE** 09:30 - 09:30

Speaker: Cuiting Zhang (Hong Kong)

PS01-26AM-433 **ACHYROCLINE SATUREIODES PROTECTS AGAINST NEURONAL DOPAMINERGIC DAMAGE IN THE CAENORHABDITIS ELEGANS MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Patrícia Pereira (Brazil)

PS01-26AM-434 **RESCUING DOPAMINERGIC DYSFUNCTION THROUGH E3-UBIQUITIN LIGASE MODULATION IN ENDOPHILIN-A MUTANTS** 09:30 - 09:30

Speaker: Ana Caulino (Portugal)

PS01-26AM-435 **DIFFERENTIAL METABOLISM OF SERINE ENANTIOMERS IN THE STRIATUM OF MPTP-LESIONED MONKEYS AND MICE CORRELATES WITH THE SEVERITY OF DOPAMINERGIC MIDBRAIN DEGENERATION** 09:30 - 09:30

Speaker: Marcello Serra (Italy)

PS01-26AM-436 **FOXO1 INDUCED BY ALPHA-SYNUCLEIN PREFORMED FIBRILS REGULATES ROS BY EXPRESSING ANTIOXIDANT GENES IN MICROGLIA** 09:30 - 09:30

Speaker: Jiyeon Na (Korea, Republic of)

PS01-26AM-437 **SYNTHESIS, MOLECULAR DOCKING AND MOTOR FUNCTION ASSESSMENT OF A NOVEL DIARYL PYRROLE COMPOUND FOLLOWING THE UNILATERAL 6-HYDROXYDOPAMINE LESION MODEL IN MALE RATS** 09:30 - 09:30

Speaker: Elaheh HaghaniSamani (Iran)

PS01-26AM-438 **RESCUING EFFICACY OF COGNITIVE AND MULTIMODAL STIMULATION ON NEUROINFLAMMATION IN TWO MOUSE MODELS OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Giulia Ponterio (Italy)

PS01-26AM-439 **EFFECTS OF COGNITIVE AND MULTIDIMENSIONAL ENRICHMENT ON THE SYNAPTIC IMPAIRMENTS OF THE PINK1 AND ASYN MOUSE MODELS OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Ilham El Atiallah (Italy)

PS01-26AM-440 **THERAPEUTIC POTENTIAL OF BDNF AND NEUROSTEROIDS DHEA AND DHEAS IN AN *IN VITRO* MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Tina Miloš (Croatia)

PS01-26AM-441 **PHARMACOLOGICAL INHIBITION OF BET PROTEINS HAMPERS ROTENONE-INDUCED OXIDATIVE DAMAGE IN AN *IN VITRO* MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Noemi Martella (Italy)

PS01-26AM-442 **EVALUATION OF THE BIOLOGICAL EFFECTS OF NEAR INFRARED ILLUMINATION AND BIOMARKER RESEARCH ON THE LATE STAGES OF PARKINSON'S DISEASE IN A NOVEL MOUSE MODEL** 09:30 - 09:30

Speaker: Marie Vionnet (France)

PS01-26AM-443 **DAD9, A NOVEL AGONIST CONCEPT THAT BREAKS THE LETHAL PARTNERSHIP BETWEEN A-SYNUCLEIN AND DOPAMINE** 09:30 - 09:30

Speaker: Rosana Chehin (Argentina)

PS01-26AM-444 **THE INTERPLAY BETWEEN MTORC2 AND OXIDATIVE STRESS IN NEUROTOXIC MODELS OF NEURODEGENERATION** 09:30 - 09:30

Speaker: Marija Jeremic (Serbia)

PS01-26AM-445 **THE NON-ANTIBIOTIC DOXYCYCLINE DERIVATIVE DDOX PRESERVES MOTOR FUNCTION IN A 6-OHDA RAT MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Rita Raisman-Vozari (France)

PS01-26AM-446 **INHIBITION OF NUCLEAR-RETAINED HDAC5 INTERACTOME PREVENTS NEURITE DEGENERATION INDUCED BY A-SYNUCLEIN OVEREXPRESSION** 09:30 - 09:30

Speaker: Martina Mazzocchi (Ireland)

PS01-26AM-447 **P2Y1 RECEPTOR PARTICIPATES IN DOPAMINERGIC NEURODEGENERATION IN A RAT MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Roberta Andrejew (Brazil)

PS01-26AM-448 **EFFECTS OF AAV-GDNF AND AAV-GDF5 IN AN AAV-A-SYNUCLEIN RAT MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Fionnuala Wilson (Ireland)

PS01-26AM-449 **PROTECTIVE EFFECT OF THE MAGNETIC STIMULATION IN 6-OHDA-INDUCED PARKINSON'S DISEASE MODEL *IN VITRO*** 09:30 - 09:30

Speaker: Teodora Martić (Serbia)

PS01-26AM-450 **EXERCISE-BASED RESCUE STRATEGIES FOR EARLY STRIATAL SYNAPTIC IMPAIRMENT AND MOTOR ABNORMALITIES CAUSED BY ALPHA-SYNUCLEIN** 09:30 - 09:30

Speaker: Gioia Marino (Italy)

PS01-26AM-451 **GLUCOCEREBROSIDASE PHARMACOLOGICAL CHAPERONES ATTENUATE A-SYNUCLEIN-INDUCED NEUROTOXICITY IN CHRONIC CORTICO-STRIATAL SLICES** 09:30 - 09:30

Speaker: Antonino Iurato La Rocca (Italy)

PS01-26AM-452 **INVESTIGATING THE NEUROTOXIC EFFECTS OF PERFLUOROALKYL SUBSTANCES (PFASS) IN HUMAN DOPAMINERGIC NEURONS** 09:30 - 09:30

Speaker: Saralea Marino (Italy)

PS01-26AM-453 **PHARMACOLOGICAL AND RNAI MEDIATED INHIBITION OF CLASS-IIA HDACS BOTH PROTECT AGAINST DOPAMINERGIC NEURONAL DEGENERATION IN *IN VIVO* MODELS OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Adam O'Mahony (Ireland)

Poster Sessions

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Posters

Poster Session 01 - Brain Metabolism and Function

PS01-26AM-271 **INVESTIGATION OF THE ROLE OF GLUCOSE AND LACTATE TO SUSTAIN BASAL SYNAPTIC TRANSMISSION BY MODULATING THE EXPRESSION OF THEIR RESPECTIVE TRANSPORTERS** 09:30 - 09:30

Speaker: Juan Garcia-Ruiz (France)

PS01-26AM-272 **IN VIVO IMAGING OF CB1-DEPENDENT MODULATION OF BRAIN METABOLISM** 09:30 - 09:30

Speaker: Tommaso Dalla Tor (France)

PS01-26AM-273 **IMPACT OF PERIPHERAL GLUCOSE AND MONOCARBOXYLATE TRANSPORTER INHIBITION ON MOUSE CORTICAL EXTRACELLULAR GLUCOSE AND LACTATE** 09:30 - 09:30

Speaker: Claude Messier (Canada)

PS01-26AM-274 **DISTRIBUTION OF RODENT CEREBELLAR GLYCOGEN AND ITS ROLE IN MOTOR BEHAVIOR** 09:30 - 09:30

Speaker: Ashley Bomim Lee (Denmark)

PS01-26AM-275 **MITOCHONDRIAL PYRUVATE METABOLISM REGULATES THE ACTIVATION OF QUIESCENT ADULT NEURAL STEM CELLS** 09:30 - 09:30

Speaker: Francesco Petrelli (Switzerland)

PS01-26AM-276 **UNRAVELLING THE ROLE OF MICROGLIAL MCT4 IN ISCHEMIC STROKE** 09:30 - 09:30

Speaker: Gloria Colombo (Switzerland)

PS01-26AM-277 **LOSS OF MICROGLIAL MCT4 LEADS TO DEFECTIVE SYNAPTIC PRUNING AND ANXIETY-LIKE BEHAVIOR IN MICE** 09:30 - 09:30

Speaker: Katia Monsorno (Switzerland)

PS01-26AM-278 **INSULIN SIGNALING IN ASTROCYTES PLAYS A ROLE IN BRAIN-LIVER AXIS IN THE CONTROL OF GLUCOSE PRODUCTION** 09:30 - 09:30

Speaker: Elena Garcia Clave (Germany)

PS01-26AM-279 **MICROGLIA AS A POTENTIAL REGULATOR OF HYPOTHALAMIC METABOLISM** 09:30 - 09:30

Speaker: Chiara Mazzola (Italy)

PS01-26AM-280	METABOLIC RESPONSE OF CORTICAL NEURONS, ASTROCYTES, AND BLOOD VESSELS TO LOCOMOTION	09:30 - 09:30
<i>Speaker:</i> Alisa Tiaglik (China)		
PS01-26AM-281	GLUTAMATERGIC NEURONAL TRANSMISSION REGULATES ASTROCYTIC FATTY ACID METABOLISM	09:30 - 09:30
<i>Speaker:</i> Francina Bagur-Llufriu (Spain)		
PS01-26AM-282	WHEN METABOLISM MEETS SIGNALING: NEW MECHANISMS FOR LACTATE-INDUCED POTENTIATION OF NMDA RECEPTOR CURRENTS	09:30 - 09:30
<i>Speaker:</i> Gabriel Herrera-Lopez (Saudi Arabia)		
PS01-26AM-283	THE NEUROMETABOLIC UNDERPINNINGS OF SOCIAL RANK - UNDERLYING MECHANISMS IN THE ASTROCYTES OF THE NUCLEUS ACCUMBENS	09:30 - 09:30
<i>Speaker:</i> Silvie Ruigrok (Switzerland)		
PS01-26AM-284	LACTATE INFLUENCES THE M6A RNA METHYLATION OF GENES INVOLVED IN NEURONAL FUNCTION	09:30 - 09:30
<i>Speaker:</i> Anel Lopez-Gonzalez (Saudi Arabia)		
PS01-26AM-285	ASTROCYTE-NEURON LACTATE SHUTTLE IN DEPRESSION: INSIGHTS FROM STRESS AND CORTICOSTERONE MODELS	09:30 - 09:30
<i>Speaker:</i> Farah Chamaa (Saudi Arabia)		
PS01-26AM-286	PROTEIN-METABOLITE INTERACTOMICS IN NEURODEVELOPMENT	09:30 - 09:30
<i>Speaker:</i> Matteo Barel (Austria)		
PS01-26AM-287	INVESTIGATION OF GLUTAMATE ACCUMULATION AND EXCITOTOXIC MECHANISMS DURING THE ACUTE PHASE OF METABOLIC STRESS	09:30 - 09:30
<i>Speaker:</i> German Lauer (Germany)		
PS01-26AM-288	AN ESSENTIAL ROLE OF A NON-ESSENTIAL AMINO ACID: BRAIN DEVELOPMENT CRITICALLY DEPENDS ON SUPPLY OF SERINE THROUGH THE BLOOD-BRAIN BARRIER	09:30 - 09:30
<i>Speaker:</i> Inna Radzishovsky (Israel)		
PS01-26AM-289	NR5A2 COORDINATELY REGULATES HYPOXIA RESPONSE AND METABOLISM IN NEURAL CELLS: IMPLICATIONS FOR NERVOUS SYSTEM-RELATED DISEASES	09:30 - 09:30
<i>Speaker:</i> Dimitrios Gkikas (Greece)		
PS01-26AM-290	ASYMMETRIC METABOLISM CONTROLS THE DEVELOPING AXON COMPLEXITY IN POST-MITOTIC NEURONS	09:30 - 09:30
<i>Speaker:</i> Fumi Suomi (Finland)		

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Poster Session 01 - Chronic Stress and Brain Function

PS01-26AM-078	LONG-TERM (INTERGENERATIONAL) EFFECTS OF CHRONIC STRESS ON MOUSE BEHAVIOR AND ITS INTERACTION WITH THE CIRCADIAN GENE REGULATION IN THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Vincent Fischer (Switzerland)		
PS01-26AM-079	ROLE OF PATERNAL GLUCOCORTICOID RECEPTOR IN THE TRANSMISSION OF STRESS-INDUCED EPIGENETIC CHANGES	09:30 - 09:30
<i>Speaker:</i> Selina Joy Frei (Switzerland)		
PS01-26AM-080	CHRONIC EXPOSURE TO GLUCOCORTICIDS DURING CRITICAL NEURODEVELOPMENTAL PERIODS LEADS TO LASTING SHIFTS IN NEURONAL TYPE DISTRIBUTION AND OVERALL BRAIN	09:30 - 09:30

ARCHITECTURE*Speaker:* Ilknur Safak Demirel (Sweden)

PS01-26AM-081 **UNVEILING MOLECULAR SIGNATURES IN RESILIENCE FOLLOWING CHILD ABUSE: NORADRENERGIC CELLS TRANSCRIPTOMICS IN HUMAN POST MORTEM TISSUES** 09:30 - 09:30

Speaker: Déa Slavova (France)

PS01-26AM-082 **COMBINED RESTRAINT STRESS AND METAL EXPOSURE PARADIGMS IN RATS; COGNITIVE ASSESSMENT, BRAIN OXIDATIVE STRESS, CASPASE-3 MEDIATED RESPONSES, MICROGLIAL ACTIVATION, AND MYELIN HEALTH** 09:30 - 09:30

Speaker: Oritoke Okeowo (Nigeria)

PS01-26AM-083 **MODELLING THE STRESS RESPONSE IN SH-SY5Y-DERIVED NEURONS: DISENTANGLING THE MINERALOCORTICOID AND GLUCOCORTICOID RECEPTORS** 09:30 - 09:30

Speaker: Justin Lugenbühl (United States)

PS01-26AM-084 **TRANSCRIPTIONAL RESPONSE OF PRIMARY HIPPOCAMPAL NEURONS FOLLOWING EXPOSURE TO RADIOFREQUENCY ELECTROMAGNETIC FIELDS** 09:30 - 09:30

Speaker: Ibtissam Echchgadda (United States)

PS01-26AM-085 **IMPACT OF STRESS ON COGNITION AND PREFRONTAL NETWORKS** 09:30 - 09:30

Speaker: Ashley Lebel (France)

PS01-26AM-086 **EFFECTS OF ADOLESCENT STRESS ON SYNAPTIC TRANSMISSION IN ADULT MOUSE DENTATE GYRUS** 09:30 - 09:30

Speaker: Nadja Treiber (Germany)

PS01-26AM-087 **MODIFYING FACTORS OF THE INSULIN-INDUCED STRESS STUDIED IN WISTAR RATS** 09:30 - 09:30

Speaker: Evelin Szabo (Hungary)

PS01-26AM-088 **IMPACT OF CHRONIC STRESS AND CORTISOL ON HIPPOCAMPAL NEUROPLASTICITY: IMPLICATIONS FOR DEPRESSION** 09:30 - 09:30

Speaker: Nikolai Malykhin (Canada)

PS01-26AM-089 **THE ROLE OF PLACENTAL CRH IN HUMAN BRAIN DEVELOPMENT** 09:30 - 09:30

Speaker: Yassemi Koutmani (Greece)

PS01-26AM-090 **GLUCOCORTICOID SIGNALLING AFFECTS ASTROCYTE FUNCTION VIA LONG NON-CODING RNAs** 09:30 - 09:30

Speaker: Tarannomsadat Taghavi (Germany)

PS01-26AM-091 **FKBP5 MODERATES GLUCOCORTICOID RECEPTOR - INDUCED CLOCK GENE OSCILLATIONS IN ASTROCYTES** 09:30 - 09:30

Speaker: Tansu Göver (Poland)

PS01-26AM-093 **EARLY LIFE ADVERSITY AND THE IMPACT OF GLUCOCORTICOID ON NG2-GLIA: A POTENTIAL MECHANISM FOR STRESS-RELATED PSYCHIATRIC DISORDERS** 09:30 - 09:30

Speaker: Katrin Becker (Germany)

PS01-26AM-094 **SINGLE-CELL TRANSCRIPTOMIC PROFILES OF THE VENTRAL HIPPOCAMPUS IN RESPONSE TO PROLONGED CHRONIC STRESS AND ANTIDEPRESSANT ACTION** 09:30 - 09:30

Speaker: Benedetta Bigio (United States)*Poster Sessions*

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Posters

Poster Session 01 - Cortical Neuron Maturation

PS01-26AM-559	IMPACT OF LIS1 MUTATION ON THE PARVALBUMIN-POSITIVE INTERNEURONS OF THE CINGULATE CORTEX	09:30 - 09:30
<i>Speaker:</i> Pilar Madrigal (Spain)		
PS01-26AM-560	IMPACT OF LIS1 MUTATION ON THE DEVELOPMENT OF SOMATOSTATIN-POSITIVE INTERNEURONS IN THE CINGULATE CORTEX	09:30 - 09:30
<i>Speaker:</i> Ana Pombero (Spain)		
PS01-26AM-561	VANGL2 PARTICIPATES IN THE CORRECT TEMPORAL CONNECTIVITY OF THE DG-CA3 CIRCUITS AND IN DECLARATIVE MEMORY PROCESSES	09:30 - 09:30
<i>Speaker:</i> Maïté Moreau (France)		
PS01-26AM-562	DLX5/6 INVOLVEMENT IN THE POSTNATAL MATURATION OF CORTICAL PARVALBUMIN NEURONS DURING CRITICAL PERIODS	09:30 - 09:30
<i>Speaker:</i> Lou Belz (France)		
PS01-26AM-563	LHX4 SURPASSES LHX3 TO PROMOTE THE DIFFERENTIATION OF SPINAL V2A INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Estelle Renaux (Belgium)		
PS01-26AM-564	PAX6 ISOFORMS LABEL DISTINCT POPULATIONS OF CORTICAL PROGENITOR CELLS IN THE MOUSE BRAIN	09:30 - 09:30
<i>Speaker:</i> Ines Gonzalez-Aspe (Spain)		
PS01-26AM-565	DEVELOPMENTAL CAJAL-RETZIUS CELL DEATH CONTRIBUTES TO THE MATURATION OF CORTICAL INHIBITION AND SOMATOSENSORY PROCESSING	09:30 - 09:30
<i>Speaker:</i> Angeliki Damilou (Switzerland)		
PS01-26AM-566	POSTNATAL FUNCTIONS OF HOXA5 IN THE MURINE HINDBRAIN: LESSONS FROM BEHAVIORAL CHARACTERIZATION OF A POSTNATAL KNOCKOUT	09:30 - 09:30
<i>Speaker:</i> Hadrien Glibert (Belgium)		
PS01-26AM-567	ORIGINS OF GABAERGIC NEURONS MIGRATING THROUGH THE HUMAN AND MONKEY MARGINAL ZONE DURING MIDGESTATION	09:30 - 09:30
<i>Speaker:</i> Maura Zanze Bader (Croatia)		
PS01-26AM-568	COMPLEX SUBLAMINATION OF CORTICAL MARGINAL ZONE IN HUMAN AND MONKEY AT MIDGESTATION	09:30 - 09:30
<i>Speaker:</i> Marina Čavka (Croatia)		
PS01-26AM-569	A POSTNATAL MOLECULAR SWITCH DRIVES THE ACTIVITY-DEPENDENT MATURATION OF CORTICAL PARVALBUMIN INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Monika Moissidis (United Kingdom)		

Poster Sessions

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Poster Session 01 - Primary Cilia in Neuronal Functions

PS01-26AM-570	THE HYPOXIA-INDUCIBLE FACTOR 1ALPHA AND PRIMARY CILIA - A FUNCTIONAL ANALYSIS OF THE INTERPLAY IN NEURONAL CELLS	09:30 - 09:30
<i>Speaker:</i> Pascal Schneider (Germany)		
PS01-26AM-571	HYPOXIA INDUCES MEK/ERK SIGNALING VIA PRIMARY CILIA AND THE HYPOXIA-INDUCIBLE FACTOR-2ALPHA - A HELPING FACTOR FOR NEURONAL CELLS TO SURVIVE ISCHEMIA?	09:30 - 09:30
<i>Speaker:</i> Tristan Leu (Germany)		
PS01-26AM-572	INFLUENCE OF THE CILIARY PROTEASOME ON HYPOXIA-	09:30 - 09:30

INDUCIBLE FACTORS*Speaker:* Stephan Schieren (Germany)

PS01-26AM-573 **HYPOXIA-INDUCIBLE FACTOR-2ALPHA IN FOCAL CEREBRAL ISCHEMIA** 09:30 - 09:30

Speaker: Vincent von Oepen (Germany)

PS01-26AM-574 **THE ROLE OF TANYCYTIC CILIA ON HYPOTHALAMIC FUNCTIONS** 09:30 - 09:30

Speaker: Manon Rivagorda (Germany)

PS01-26AM-575 **OXYGEN MATTERS: UNRAVELING THE ROLE OF OXYGEN IN THE NEURONAL RESPONSE TO CISPLATIN** 09:30 - 09:30

Speaker: Jose Manuel Crugeiras Pérez (Spain)

PS01-26AM-576 **"UNIVERSAL (EPO, EV-3, TPO, ...)" CYTOKINE-MEDIATED NEUROPROTECTION VIA PHYLOGENETICALLY ANCIENT CYTOKINE RECEPTOR-LIKE FACTOR 3 (CRLF3)** 09:30 - 09:30

Speaker: Ralf Heinrich (Germany)

PS01-26AM-577 **CHOROID PLEXUSES CARRY NODAL-LIKE CILIA THAT UNDERGO AXONEME REGRESSION FROM EARLY ADULT STAGE** 09:30 - 09:30

Speaker: Valentina Scarpetta (Germany)

PS01-26AM-578 **THE SWEET TASTE RECEPTOR SIGNALING AT PRIMARY CILIA INVOLVES AN ADENYLATE CYCLASE INHIBITORY MECHANISM** 09:30 - 09:30

Speaker: Juan Villalobos (Chile)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 01 - Memory Modulation

PS01-26AM-140 **NORADRENERGIC NEUROMODULATION OF NEURONAL DYNAMICS AND BEHAVIOR** 09:30 - 09:30

Speaker: Loussineh Keshishian (France)

PS01-26AM-141 **HOLD YOUR BREATH: A CAUSAL INVESTIGATION OF RESPIRATORY INFLUENCE ON NEURAL DYNAMICS** 09:30 - 09:30

Speaker: Eleni Ioanna Moysiadou (France)

PS01-26AM-142 **COMBINATORIAL ARCHITECTURE OF CIRCUIT NEUROMODULATION** 09:30 - 09:30

Speaker: Nikolas Karalis (France)

PS01-26AM-144 **PROPERTIES OF THE SYNAPTIC TRANSMISSION FROM MEDIAL PREFRONTAL CORTEX TO LOCUS COERULEUS** 09:30 - 09:30

Speaker: Pin-Huan Lai (Taiwan)

PS01-26AM-145 **CHARACTERIZATION OF ASTROGLIA-NORADRENERGIC NEURON COMMUNICATION IN THE LOCUS COERULEUS** 09:30 - 09:30

Speaker: Wei-Chen Hung (Taiwan)

PS01-26AM-146 **ACTIVITY-DEPENDENT BETA-ADRENERGIC MODULATION BY THE LOCUS COERULEUS OF RECENT AND REMOTE SPATIAL MEMORY** 09:30 - 09:30

Speaker: Arthur Laja (Germany)

PS01-26AM-147 **ENHANCED SPATIAL MEMORY RENEWAL THROUGH BETA-ADRENERGIC MODULATION OF BRAIN NETWORKS** 09:30 - 09:30

Speaker: Josue Haubrich (Germany)

PS01-26AM-148 **USE OF EVOKED POTENTIALS TO LOCALISE RECORDING SITES OF TRANSCORTICAL SILICON PROBES** 09:30 - 09:30

Speaker: Teresa Tommasini (Germany)

PS01-26AM-149 **INVESTIGATING REWARD-RELATED MEMORY ENHANCEMENT IN ASCENDING AROUSAL SYSTEM NUCLEI USING 7T MRI** 09:30 - 09:30

Speaker: Beth Lloyd (Netherlands)

PS01-26AM-150 **DIRECT ELECTRICAL STIMULATION OF THE HUMAN AMYGDALA ENHANCES RECOGNITION MEMORY FOR OBJECTS BUT NOT SCENES** 09:30 - 09:30

Speaker: Krista Wahlstrom (United States)

PS01-26AM-151 **EXPLORING INDIVIDUAL DIFFERENCES AND STIMULATION PARAMETERS IN AMYGDALA-MEDIATED MEMORY MODULATION** 09:30 - 09:30

Speaker: Martina Hollearn (United States)

PS01-26AM-152 **NORADRENERGIC REGULATION OF HIPPOCAMPAL NEURONAL REPRESENTATIONS OF SPATIAL INFORMATION** 09:30 - 09:30

Speaker: Ninad Shendye (Germany)

PS01-26AM-153 **MODULATION OF EVENT SEGMENTATION DYNAMICS THROUGH CATECHOLAMINES: EXPLORING THE ROLE OF LEARNING AND STIMULUS NOVELTY** 09:30 - 09:30

Speaker: Foroogh Ghorbani (Germany)

PS01-26AM-154 **AROUSAL EFFECTS ON EPISODIC MEMORY RETRIEVAL FOLLOWING EXPOSURE TO AROUSING STIMULI IN YOUNG AND OLD ADULTS.** 09:30 - 09:30

Speaker: Marianna Constantinou (United Kingdom)

PS01-26AM-155 **FACILITATING MEMORY CONSOLIDATION THROUGH LIGHT EXERCISE: THE ROLE OF THE COERULEO-HIPPOCAMPAL DOPAMINERGIC PATHWAY** 09:30 - 09:30

Speaker: Taichi Hiraga (Japan)

PS01-26AM-156 **CHEMOGENETIC ACTIVATION OF THE LOCUS COERULEUS INCREASES HIPPOCAMPAL NORADRENALINE LEVELS LEADING TO MODULATION OF HIPPOCAMPAL EXCITABILITY** 09:30 - 09:30

Speaker: Sielke Caestecker (Belgium)

PS01-26AM-157 **AGE-RELATED DIFFERENCES IN PUPIL DYNAMICS ASSESSED WITH COGNITIVE PUPILLOMETRY** 09:30 - 09:30

Speaker: Adrian Ruiz Chiapello (France)

PS01-26AM-158 **CHOLINERGIC NEUROMODULATION OF PROCESSING SENSORY AND REINFORCEMENT SIGNALS** 09:30 - 09:30

Speaker: Natalia Babushkina (Germany)

PS01-26AM-159 **NORADRENERGIC MODULATION OF THE PERIRHINAL NETWORK** 09:30 - 09:30

Speaker: Léa Salette (Netherlands)

PS01-26AM-160 **BRAIN ACTIVATION PATTERNS DURING MEMORY PROCESSES MEASURED WITH FUNCTIONAL MAGNETIC RESONANCE IMAGING ARE ASSOCIATED WITH HUMAN SEROTONIN-1A RECEPTOR *IN VIVO*** 09:30 - 09:30

Speaker: Matej Murgaš (Austria)

PS01-26AM-161 **POSSIBLE INTERACTION BETWEEN NORADRENERGIC TRANSMISSION IN THE BASOLATERAL AMYGDALA AND DOPAMINERGIC TRANSMISSION IN THE HIPPOCAMPUS IN THE MODULATION OF INITIAL MEMORY CONSOLIDATION** 09:30 - 09:30

Speaker: Bogomil Peshev (Bulgaria)

Poster Sessions

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Poster Session 01 - Neural Mechanisms of Emotion

PS01-26AM-475 **SPARSE STRESS-RESPONSIVE NEURONS PREDOMINATE THE PATHOGENESIS OF DEPRESSION-LIKE STATE** 09:30 - 09:30

Speaker: Yiyang Dong (China)

PS01-26AM-476	GREEN LIGHT EXERTS ANTINOCICEPTIVE AND ANXIOLYTIC EFFECTS VIA VISUAL-SOMATOSENSORY CIRCUITS	09:30 - 09:30
<i>Speaker:</i> Peng Cao (China)		
PS01-26AM-477	INVESTIGATING EMBODIED MIND-WANDERING DURING A NATURALISTIC ANXIETY-INDUCING FILM	09:30 - 09:30
<i>Speaker:</i> Trupthi Karanth Ramadeva (Germany)		
PS01-26AM-478	FINGERPRINTS OF PSYCHIATRIC SYMPTOMS IN THE STOMACH-BRAIN AXIS	09:30 - 09:30
<i>Speaker:</i> Leah Banellis (Denmark)		
PS01-26AM-479	AFFECTIVE EXPECTATIONS ARE MODULATED BY THE INTERPLAY BETWEEN VISCERAL SIGNALS AND UNCERTAINTY OF THE SENSORY ENVIRONMENT	09:30 - 09:30
<i>Speaker:</i> Alexandrina Vasilichi (Germany)		
PS01-26AM-480	TEST-RETEST RELIABILITY IN THE EFFORT LEARNING TASK	09:30 - 09:30
<i>Speaker:</i> Melina Vejøl (Denmark)		
PS01-26AM-481	AIRWAY MANIPULATIONS OF RESPIRATORY-MODULATED BRAIN OSCILLATIONS IN HUMANS	09:30 - 09:30
<i>Speaker:</i> Malte Brændholt (Denmark)		
PS01-26AM-482	EMOTION REGULATION ACROSS DIMENSIONS OF EMOTIONAL RESPONSE: A MULTIMODAL COMPARISON OF EMOTION REGULATION STRATEGIES	09:30 - 09:30
<i>Speaker:</i> Lara Oblak (Slovenia)		
PS01-26AM-483	INDIVIDUAL DIFFERENCES IN SPATIAL WORKING MEMORY STRATEGIES DIFFERENTIALLY REFLECTED IN THE ENGAGEMENT OF CONTROL AND DEFAULT BRAIN NETWORKS	09:30 - 09:30
<i>Speaker:</i> Nina Purg Suljič (Slovenia)		
PS01-26AM-484	BEHAVIOURAL HYPERSENSITIVITY TO CO₂ IS ASSOCIATED WITH INCREASED ENGAGEMENT OF THE INSULA IN SUBJECTS WITH HIGH TRAIT ANXIETY	09:30 - 09:30
<i>Speaker:</i> Simone Sartori (Austria)		
PS01-26AM-485	MODULATORY ROLE OF THE NEUROPEPTIDE VIP IN THE CENTRAL AMYGDALA ON STRESS AND ANXIETY FUNCTION IN MICE	09:30 - 09:30
<i>Speaker:</i> Federico Ferro (Austria)		
PS01-26AM-486	NEURONAL CORRELATES OF INCREASED BEHAVIORAL INHIBITION BY INTEROCEPTIVE STIMULATION IN A MOUSE MODEL OF AUTISM SPECTRUM DISORDER	09:30 - 09:30
<i>Speaker:</i> Nino Kobakhidze (Austria)		
PS01-26AM-487	PRECONSCIOUS FEAR-LIKE STIMULI AFFECT OVERT AND COVERT EMOTIONAL CONSCIOUS PROCESSING	09:30 - 09:30
<i>Speaker:</i> Sergio Frumento (Italy)		
PS01-26AM-488	EFFECTS OF ANTICIPATORY THREAT CONDITIONING ON NEUROBIOLOGICAL MARKERS	09:30 - 09:30
<i>Speaker:</i> Faissal Sharif (United Kingdom)		
PS01-26AM-489	SELF-REPORTED COGNITIVE CONFIDENCE AND NEGATIVE BELIEFS ABOUT THINKING PREDICT METACOGNITIVE SENSITIVITY IN A PILOT TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) EXPERIMENT	09:30 - 09:30
<i>Speaker:</i> Daniele Saccenti (Italy)		
PS01-26AM-490	SLOW-PACED BREATHING REDUCED PERCEPTUAL SENSITIVITY TO FACIAL EXPRESSION	09:30 - 09:30
<i>Speaker:</i> Shen-Mou Hsu (Taiwan)		

PS01-26AM-491	NEURAL DYNAMICS OF MOOD-INFLUENCED DRIVING USING FMRI: CONNECTIVITY PATTERNS AND SPEED VARIATIONS	09:30 - 09:30
	<i>Speaker:</i> Sama Rahnemayan (Iran)	
PS01-26AM-492	EVENT-RELATED BRAIN POTENTIALS REVEAL MATH ANXIETY EFFECTS IN A NUMERICAL GO/NOGO TASK	09:30 - 09:30
	<i>Speaker:</i> María Isabel Núñez-Peña (Spain)	
PS01-26AM-493	OXYGEN IN MOTION: ANXIETY-RELATED CHANGES IN OXYGEN LEVELS WITHIN THE VENTRAL HIPPOCAMPUS OF RATS	09:30 - 09:30
	<i>Speaker:</i> Zoi Balla (Germany)	
PS01-26AM-494	THE ROLE OF AFFECT SHARING IN OBSERVATIONAL FEAR LEARNING: COMPARING SKIN CONDUCTANCE, PUPIL SIZE AND FMRI DATA	09:30 - 09:30
	<i>Speaker:</i> Alexa Müllner-Huber (Austria)	
PS01-26AM-495	UNDERSTANDING TRAIT ANXIETY THROUGH FORAGING DECISION	09:30 - 09:30
	<i>Speaker:</i> Peeusa Mitra (India)	
PS01-26AM-496	UNRAVELING HUMAN ESCAPE PLANNING: THE IMPACT OF ENVIRONMENTAL CUES ON ESCAPE BEHAVIOR IN VR	09:30 - 09:30
	<i>Speaker:</i> Lukas Kornemann (Germany)	
PS01-26AM-497	MEDIAL ANTERIOR PREFRONTAL CORTEX STIMULATION DOWN-REGULATES IMPLICIT REACTIONS TO THREATS AND PREVENTS THE RETURN OF FEAR	09:30 - 09:30
	<i>Speaker:</i> Eugenio Manassero (Italy)	
PS01-26AM-498	GENDER DIFFERENCES IN ESTIMATES OF ONE'S OWN BODY SIZE DEPENDING ON % BODY FAT AND SELF-COMPASSION	09:30 - 09:30
	<i>Speaker:</i> Anna Yamamotova (Czech Republic)	
PS01-26AM-499	THE ROLE OF HYPNOTIZABILITY IN INTEROCEPTIVE PROCESSING: HEARTBEAT-EVOKED CORTICAL POTENTIAL STUDY AT REST AND DURING A HEARTBEAT COUNTING TASK	09:30 - 09:30
	<i>Speaker:</i> Žan Zelič (Italy)	
PS01-26AM-500	NEUROPHYSIOLOGICAL CORRELATES OF HYPNOSIS: INDUCTION AND ARM-RIGIDITY	09:30 - 09:30
	<i>Speaker:</i> Juliette Gelebart (France)	
PS01-26AM-501	CINGULATE MICROSTIMULATION INDUCES NEGATIVE BIAS VIA DAMPENED TOP-DOWN COGNITIVE INFLUENCE ON PRIMATE LIMBIC NETWORK	09:30 - 09:30
	<i>Speaker:</i> Satoko Amemori (Japan)	
PS01-26AM-502	PSYCHOPHYSIOLOGICAL CORRELATES OF SOCIAL INTERACTIONS: IMPLICATIONS FOR SOCIAL ANXIETY	09:30 - 09:30
	<i>Speaker:</i> Lucia De Francesco (Italy)	
PS01-26AM-503	SELF-PRODUCED BODILY ACTIONS AND RHYTHMS MODULATE FEAR IN HUMANS	09:30 - 09:30
	<i>Speaker:</i> Maria Alemany (Japan)	
PS01-26AM-504	ASSESSING THE EFFECTS OF MINDFUL BREATHING ON LEARNING AND EMOTIONS IN PRIMARY SCHOOL STUDENTS	09:30 - 09:30
	<i>Speaker:</i> ASTRID SCHMIED (Singapore)	
PS01-26AM-505	ASSESSMENT OF STUDENTS' QUALITY OF LIFE AND ATTENTIONAL STABILITY IN EMERGENCY SITUATIONS	09:30 - 09:30
	<i>Speaker:</i> Sirine Shogheryan (Armenia)	
PS01-26AM-506	SOCIAL ANXIETY AND EMPATHY FOR PAIN DEPENDENT ON PERSPECTIVE TAKEN - ERP STUDY	09:30 - 09:30

Speaker: Izabela Chałatkiewicz (Poland)

PS01-26AM-507 **BRAIN NETWORKS UNDERLYING BRIEF COGNITIVE INTERVENTIONS TO REDUCE ANXIETY** 09:30 - 09:30

Speaker: Charlotte Cuffley (United Kingdom)

PS01-26AM-508 **MORAL INFERENCE UNDER STRESS** 09:30 - 09:30

Speaker: Stefan Schulreich (Austria)

PS01-26AM-509 **RUMINATIVE STRESS: HOW REPETITIVE THOUGHTS AND STRESS INTERACT IN AN EXPERIMENTAL SETTING** 09:30 - 09:30

Speaker: Lea Schenk (Austria)

PS01-26AM-510 **DESIGNING A THIRD PLACE IN URBAN UNDERGROUND SPACE** 09:30 - 09:30

Speaker: Jie Wang (Korea, Republic of)

PS01-26AM-511 **INTEROCEPTIVE PROCESSING IN THE STANDING POSITION IS ATTENUATED COMPARED TO THE SITTING POSITION** 09:30 - 09:30

Speaker: Mayu Dohata (Japan)

PS01-26AM-512 **HOSTILE BIASES ASSESSMENT BATTERY** 09:30 - 09:30

Speaker: Tomasz Walkiewicz (Poland)

PS01-26AM-513 **RELATIONSHIPS BETWEEN TRACE ELEMENTS AND COGNITIVE BEHAVIORS IN DIFFERENT STRAINS OF RATS; SPRAGUE DAWLEY: SWIFT LEARNERS, YET SENSITIVE SOULS** 09:30 - 09:30

Speaker: Ekin Döngel Dayanç (Turkey)

PS01-26AM-514 **ALTERATIONS OF SPECIFIC METABOLITES DURING EPILEPTOGENESIS IN PLASMA OF RATS WITH LITHIUM-PILOCARPINE-INDUCED TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Fatma Merve Antmen (Turkey)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Neural Network Interpretability in Neuroscience

PS01-26AM-515 **WHAT DOES MY NETWORK LEARN? ASSESSING THE INTERPRETABILITY OF DEEP LEARNING FOR NEURAL SIGNALS** 09:30 - 09:30

Speaker: Pinar Göktepe-Kavis (Switzerland)

PS01-26AM-516 **EXPLORING THE EFFECTS OF NORMATIVE NETWORK MODEL CHARACTERISTICS ON PREDICTING CORTICAL RESPONSES** 09:30 - 09:30

Speaker: Sebastian Klavinskis-Whiting (United Kingdom)

PS01-26AM-517 **DESCRIBING NEURAL ENCODING FROM LARGE-SCALE BRAIN RECORDINGS: A DEEP LEARNING MODEL OF THE CENTRAL AUDITORY SYSTEM** 09:30 - 09:30

Speaker: Fotios Drakopoulos (United Kingdom)

PS01-26AM-518 **AN EXPLAINABLE DEEP LEARNING MODEL FOR THE IDENTIFICATION OF LAYERS AND AREAS IN THE PRIMATE CEREBRAL CORTEX** 09:30 - 09:30

Speaker: Piotr Majka (Poland)

PS01-26AM-519 **ENHANCING HYPOTHESIS TESTING VIA INTERPRETABLE MACHINE LEARNING FRAMEWORKS** 09:30 - 09:30

Speaker: David Steyrl (Austria)

PS01-26AM-520 **DIVFREQBERT : ENCODING DISTINCT FREQUENCY RANGES OF BRAIN DYNAMICS BASED ON THE COMPLEXITY OF THE BRAIN** 09:30 - 09:30

Speaker: Sangyoon Bae (Korea, Republic of)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Lifestyle and Environmental Factors

- PS01-26AM-579 **EXERCISE PARTIALLY PREVENTS MOTOR ALTERATION INDUCED BY EARLY SENSORIMOTOR RESTRICTION IN RATS** 09:30 - 09:30
Speaker: Mélanie Van Gaever (France)
- PS01-26AM-580 **EARLY MOVEMENT RESTRICTION AFFECTS THE ACQUISITION OF NEURODEVELOPMENTAL REFLEXES IN RAT PUPS** 09:30 - 09:30
Speaker: Orlane Dupuis (France)
- PS01-26AM-581 **BENEFICIAL ROLE OF PHYSICAL ACTIVITY IN COUNTERACTING MUSCULOSKELETAL DISORDERS INDUCED BY EARLY MOVEMENT RESTRICTION** 09:30 - 09:30
Speaker: Julien Girardie (France)
- PS01-26AM-582 **WOBBLE BOARD BASED EXERGAMING AND ITS EFFECTS ON DISTINCT COGNITIVE AND BALANCE COMPONENTS: AN INTENSITY-BASED COMPARISON** 09:30 - 09:30
Speaker: Aruba Saeed (Pakistan)
- PS01-26AM-583 **ACUTE BOUTS OF EXERCISE IN PRESCHOOL CHILDREN DO NOT AFFECT WORKING MEMORY CAPACITY BUT ACCELERATE THE EXECUTION OF THE TASK** 09:30 - 09:30
Speaker: Ivan Serbetar (Croatia)
- PS01-26AM-584 **ACUTE AEROBIC EXERCISE AT DIFFERENT INTENSITIES MODULATES MOTOR LEARNING PERFORMANCE AND CORTICAL EXCITABILITY IN HEALTHY INDIVIDUALS** 09:30 - 09:30
Speaker: Hsiao-I Kuo (Taiwan)
- PS01-26AM-585 **CAN WII MODULATE PSEUDONEGLECT? IMPROVING VISUOSPATIAL ATTENTION IN HEALTHY SUBJECTS BY ACTIVE VIDEO GAMING** 09:30 - 09:30
Speaker: Fabrizio Di Giovanni (Italy)
- PS01-26AM-586 **STRONGER DAILY-LIFE AFFECTIVE BENEFITS DURING SOLITUDE IN PEOPLE WITH HIGHER DEFAULT MODE NETWORK FUNCTIONAL CONNECTIVITY** 09:30 - 09:30
Speaker: Anastasia Benedyk (Germany)
- PS01-26AM-587 **INTEGRATED AYURVEDA AND YOGA INTERVENTION FOR ENHANCING FUNCTIONALITY AND AMBULATION IN PATIENTS WITH MUSCULAR DYSTROPHIES: A SINGLE-ARM PILOT FEASIBILITY TRIAL** 09:30 - 09:30
Speaker: Akhila Soman (India)
- PS01-26AM-588 **CEREBRAL BLOOD FLOW AND EXECUTIVE FUNCTION CHANGES IN RESPONSE TO ACTIVE AND PASSIVE AEROBIC EXERCISE** 09:30 - 09:30
Speaker: Alma Rahimidarabad (Canada)
- PS01-26AM-589 **THE IMMEDIATE IMPACT OF MODERATE EXERCISE ON WORKING MEMORY CAPACITY** 09:30 - 09:30
Speaker: Xinyun Che (Germany)
- PS01-26AM-590 **EFFECT OF A COMBINED INTERVENTION OF TDCS AND PHYSICAL EXERCISE IN PEOPLE OVER 65 YEARS OF AGE: FRAIL TRAIN** 09:30 - 09:30
Speaker: Cristina Nombela Otero (Spain)
- PS01-26AM-591 **COGNITIVE PERFORMANCE IS ENHANCED BY AEROBIC-STRENGTH TRAINING, AND RELATED TO PHYSICAL FITNESS AND REDUCED PLATINUM LEVELS IN TESTICULAR GERM CELL CANCER SURVIVORS** 09:30 - 09:30
Speaker: Barbara Ukropcova (Slovakia)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 01 - Neuroprotection and Neuromodulation

- PS01-26AM-230 **ERYTHROPOIETIN RESTRAINS THE INHIBITORY POTENTIAL OF INTERNEURONS IN THE MOUSE HIPPOCAMPUS** 09:30 - 09:30
Speaker: Yasmina Curto (Germany)
- PS01-26AM-231 **TOLERABILITY AND FIRST HINTS FOR POTENTIAL EFFICACY OF MOTOR-COGNITIVE TRAINING UNDER INSPIRATORY HYPOXIA IN HEALTH AND NEUROPSYCHIATRIC DISORDERS** 09:30 - 09:30
Speaker: Svea-Solveig Mennen (Germany)
- PS01-26AM-232 **ZBTB20 HAPLOINSUFFICIENCY CAUSES AUTISM-LIKE BEHAVIOR IN MICE AND CAN PARTIALLY BE IMPROVED BY ERYTHROPOIETIN** 09:30 - 09:30
Speaker: Martin Hindermann (Germany)
- PS01-26AM-233 **EFFECTS OF ERYTHROPOIETIN (EPO) ON THE TRANSCRIPTOME OF THE OLIGODENDROCYTE LINEAGE** 09:30 - 09:30
Speaker: Vinicius Daguano Gastaldi (Germany)
- PS01-26AM-234 **OXYTOCIN DECREASES NEUROINFLAMMATION AFTER NEONATAL HYPOXIA-ISCHEMIA** 09:30 - 09:30
Speaker: Gabriel Schirmbeck (Switzerland)
- PS01-26AM-235 **INHIBITING GPR17 CORRECTS MYELINATION DEFECTS ASSOCIATED WITH NEONATAL HYPOXIA IN MICE** 09:30 - 09:30
Speaker: Sophie Eckl (United States)
- PS01-26AM-236 **THE BENEFITS OF SIMULTANEOUS HYPERBARIC OXYGEN THERAPY AND ANTIOXIDANT SUPPLEMENTATION IN THE MANAGEMENT OF ANXIOGENIC RESPONSE TO THERMAL SKIN INJURY IN RATS** 09:30 - 09:30
Speaker: Dragica Selakovic (Serbia)
- PS01-26AM-237 **TRPM4 BLOCKING ANTIBODY IN NEUROLOGICAL DISORDERS** 09:30 - 09:30
Speaker: Ping Liao (Singapore)
- PS01-26AM-238 **DEVELOPMENT AND COMPARISON OF NATURAL AND SYNTHETIC CURCUMIN NANOCARRIERS IN NEONATAL HYPOXIA-ISCHEMIA** 09:30 - 09:30
Speaker: Dipa Begum (United Kingdom)
- PS01-26AM-239 **THERMOREGULATORY GABAERGIC VLPOA NEURONS INDUCE NEUROPROTECTION AFTER STROKE VIA A HYPOTHALAMIC PATHWAY** 09:30 - 09:30
Speaker: Buse Balaban (Turkey)
- PS01-26AM-240 **OXYTOCIN AS A NOVEL THERAPEUTIC TARGET TO REDUCE NEUROINFLAMMATION AND PROTECT BRAIN DEVELOPMENT FOLLOWING PEDIATRIC TRAUMATIC BRAIN INJURY** 09:30 - 09:30
Speaker: Marit Knoop (Switzerland)
- PS01-26AM-241 **CHROMATIN ACCESSIBILITY IN OLIGODENDROCYTE PRECURSORS PROFILED BY ATACSEQ: NEUROPROTECTIVE EFFECTS OF MGSO4 AND 4-PBA ALONE OR ASSOCIATED IN A MOUSE MODEL OF ENCEPHALOPATHY OF PREMATURITY** 09:30 - 09:30
Speaker: Le Ray Marie-Anne (France)
- PS01-26AM-242 **GROWTH HORMONE ASSAY AND HISTOLOGICAL CHANGES IN THE PITUITARY GLAND OF EXPERIMENTALLY INDUCED JUVENILE HYDROCEPHALIC RATS** 09:30 - 09:30
Speaker: Omowumi Femi-Akinlosotu (Nigeria)
- PS01-26AM-243 **CLEMASTINE-INDUCED MYELINATION PROMOTES MOTOR RECOVERY IN THE NEONATAL HYPOXIC ISCHEMIA RAT** 09:30 - 09:30

Speaker: Taichi Goto (Japan)

PS01-26AM-244 **PROGESTERONE'S NEUROPROTECTIVE EFFECTS IN THE PREFRONTAL CORTEX OF RATS SUBJECTED TO PERMANENT BILATERAL COMMON CAROTID ARTERY OCCLUSION** 09:30 - 09:30

Speaker: Ivana Guševac Stojanović (Serbia)

PS01-26AM-245 **PROGESTERONE ALLEVIATES NEUROLOGICAL DEFICIT AND STRIATAL ECTONUCLEOTIDASE ACTIVITIES AFTER CEREBRAL HYPOPERFUSION IN RATS** 09:30 - 09:30

Speaker: Katarina Bobic (Serbia)

PS01-26AM-246 **THE HYPOTHERMIA PUZZLE: DECODING ITS MOLECULAR EFFECTS** 09:30 - 09:30

Speaker: Kattri-Liis Eskla (Estonia)

PS01-26AM-247 **A NOVEL RAT PUP MODEL THAT RECAPITULATES THE CLINICAL PHENOTYPE OF INTRAVENTRICULAR HEMORRHAGE-INDUCED HYDROCEPHALUS IN HUMAN PRETERM NEONATES** 09:30 - 09:30

Speaker: Kwang Min Kim (Korea, Republic of)

PS01-26AM-248 **NEUROPROTECTIVE STRATEGIES WITH NEUROTROPHIC FACTORS AGAINST SELECTIVE NEURONAL LOSS** 09:30 - 09:30

Speaker: David Diaz (Spain)

PS01-26AM-249 **NEUROPROTECTIVE EFFECTS OF MATERNAL BOVINE LACTOFERRIN ADMINISTRATION ASSOCIATED TO HYPOTHERMIA FOLLOWING BRAIN HYPOXIA-ISCHEMIA IN RATS** 09:30 - 09:30

Speaker: Eduardo Sanches (Switzerland)

Poster Sessions

09:30 - 13:00

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Poster Session 01 - Brain Stem Nuclei

PS01-26AM-037 **MAPPING THE NEURAL CIRCUITRY: LC-NE NEURONS AND THEIR CONNECTIONS TO VTA AND RAPHE NUCLEI** 09:30 - 09:30

Speaker: Maud Blaise (France)

PS01-26AM-038 **LONG-TERM CONSEQUENCES OF EARLY LIFE STRESS ON NORADRENERGIC NEURONS ACTIVATION IN MALE AND FEMALE MICE** 09:30 - 09:30

Speaker: Valentine Greffion (France)

PS01-26AM-039 **MAPPING THE PROJECTIONS OF SEROTONERGIC DORSAL RAPHE NEURONS IN ZEBRAFISH** 09:30 - 09:30

Speaker: Lucía Jiménez Fernández (Denmark)

PS01-26AM-040 **ROLE OF THE SEROTONERGIC DORSAL RAPHE NUCLEUS IN MEDIATING THE EFFECTS OF DEVELOPMENTAL CHRONIC STRESS IN ZEBRAFISH** 09:30 - 09:30

Speaker: Zoltan Kristof Varga (Denmark)

PS01-26AM-041 **INVOLVEMENT OF DORSAL RAPHE NUCLEUS (DRN) ASTROCYTES IN VALENCE PROCESSING** 09:30 - 09:30

Speaker: Sofia Barile (Italy)

PS01-26AM-042 **PACAPERGIC BRAIN PROJECTIONS TO THE VENTRAL RESPIRATORY COLUMN** 09:30 - 09:30

Speaker: Alice Oh (Australia)

PS01-26AM-043 **RAPHE NUCLEUS FUNCTION IN AVERSIVE VALENCE PROCESSING BETWEEN ADAPTIVE LEARNING AND SOCIAL DEFEAT IN ZEBRAFISH** 09:30 - 09:30

Speaker: Hsi Chen (Taiwan)

PS01-26AM-044	A1-NORADRENERGIC CAMP SIGNALING IN ASTROCYTES OF THE MURINE OLFACTORY BULB	09:30 - 09:30
<i>Speaker:</i> Jessica Sauer (Germany)		
PS01-26AM-045	INVOLVEMENT OF PEPTIDERGIC EDINGER-WESTPHAL NUCLEUS IN THE NEUROBIOLOGY OF MIGRAINE	09:30 - 09:30
<i>Speaker:</i> Ammar Al-Omari (Hungary)		
PS01-26AM-046	MICRORNA-34A FROM GABAERGIC NEURONS OF THE RAPHE CONTRIBUTES TO ITS PERIPHERAL PLASMA LEVEL	09:30 - 09:30
<i>Speaker:</i> Elena Tittarelli (Italy)		
PS01-26AM-047	SEROTONIN NEURONS IN THE DORSAL RAPHE NUCLEUS ENCODE PROBABILITY RATHER THAN VALUE OF FUTURE REWARDS	09:30 - 09:30
<i>Speaker:</i> Kayoko Miyazaki (Japan)		
PS01-26AM-048	THE EFFECTS OF CRF AGONISTS AND ANTAGONISTS ON THE NORADRENALINE RELEASED FROM THE LOCUS COERULEUS AND THE SEROTONIN RELEASED FROM THE RAPHE NUCLEI	09:30 - 09:30
<i>Speaker:</i> Zsolt Bagosi (Hungary)		
PS01-26AM-049	DORSAL AND MEDIAN RAPHE NEURONAL FIRING DYNAMICS CHARACTERIZED BY NON-LINEAR MEASURES	09:30 - 09:30
<i>Speaker:</i> Claudia Pascovich (Uruguay)		
PS01-26AM-050	TOPOGRAPHICALLY ORGANIZED SENSORY-MOTOR ACTIVITY OF DORSAL RAPHE AND ITS FOREBRAIN INNERVATIONS MODULATE RESTING-STATE AND SENSORY-EVOKED FOREBRAIN ACTIVITY AND ANIMAL BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Aytac Kadir Mutlu (Norway)		
PS01-26AM-051	IDENTIFICATION OF EXCITATORY PRESYNAPTIC NEURONS PARTICIPATING IN REGULATION OF NORADRENERGIC NEURONS IN THE LOCUS COERULEUS	09:30 - 09:30
<i>Speaker:</i> Hsiu-Wen Yang (Taiwan)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 01 - Neuroprotection and Neurodegeneration		
PS01-26AM-330	NEUROPROTECTIVE EFFECTS INDUCED BY NR2A-CB1R AND NR2B-CB1R COMPLEXES IN ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Joan Biel Rebassa Palou (Spain)		
PS01-26AM-331	A_{2A}R-CB₂R AS A NEW TARGET TO MODULATE NEUROINFLAMMATION	09:30 - 09:30
<i>Speaker:</i> Antonio Capó Quetglas (Spain)		
PS01-26AM-332	MOLBOLEAN STAINING REVEALS HIGH PROPORTION OF D₂ RECEPTORS FORMING A_{2A}-D₂ HETEROMERS IN STRIATAL NEURONS OF MPTP-LESIONED PARKINSONIAN PRIMATES	09:30 - 09:30
<i>Speaker:</i> Rafael Rivas-Santisteban (Spain)		
PS01-26AM-333	NEUROPROTECTIVE EFFECTS OF CANNABIDIOL: SHIFTING MICROGLIA PHENOTYPE AND PREVENTING NEURONAL DEATH IN A NEONATAL HYPOXIA-ISCHEMIA MODEL	09:30 - 09:30
<i>Speaker:</i> Jaume Lillo Jové (Spain)		
PS01-26AM-334	CANNABIDIOL AT NANOMOLAR CONCENTRATIONS NEGATIVELY AFFECTS SIGNALING THROUGH THE ADENOSINE A_{2A} RECEPTOR	09:30 - 09:30
<i>Speaker:</i> Iu Raïch (Spain)		
PS01-26AM-335	CB₁R ACTIVATION DECREASE NMDA INDUCED NEUROTOXICITY IN APP_{SW/IND} MICE MODEL OF AD	09:30 - 09:30

Speaker: Gemma Navarro Brugal (Spain)

PS01-26AM-336 **THE EXPRESSION AND FUNCTIONALITY OF CB₁R-NMDAR COMPLEXES ARE DECREASED IN PARKINSON'S DISEASE MODELS** 09:30 - 09:30

Speaker: Irene Reyes-Resina (Spain)

PS01-26AM-337 **EXPLORING THE CONTRIBUTION OF BRI2 EXPRESSION AND PROTEOLYTIC PROCESSING ON NEURONAL DIFFERENTIATION** 09:30 - 09:30

Speaker: Filipa Martins (Portugal)

PS01-26AM-338 **CHRONIC POTENTIATION OF METABOTROPIC GLUTAMATE RECEPTOR 2 WITH A NANOBODY ACCELERATES AMYLOIDOGENESIS IN ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Pierre-Andre Lafon (China)

PS01-26AM-339 **ADMINISTRATION OF A TNF RECEPTOR 2 AGONIST IMPROVES NEUROPATHOLOGY AND COGNITIVE FUNCTIONS IN AN ALZHEIMER'S DISEASE MODEL** 09:30 - 09:30

Speaker: Natalia Ortí Casañ (Netherlands)

PS01-26AM-340 **CANNABINOID CB₁ RECEPTORS IN OLIGODENDROCYTES: MODULATION OF ENERGY METABOLISM AND AUTOIMMUNE DEMYELINATION** 09:30 - 09:30

Speaker: Ester Sanchez (Spain)

PS01-26AM-341 **A NOVEL PRO-NEUROGENIC THERAPEUTIC APPROACH FOR ALZHEIMER'S DISEASE BASED ON BRI2 PROTEOLYTIC FRAGMENTS** 09:30 - 09:30

Speaker: Sandra Rebelo (Portugal)

PS01-26AM-342 **POTENTIAL STRATEGY FOR THE THERAPEUTIC REGULATION OF THE ENDOCANNABINOID SYSTEM WITH INTERFERING PEPTIDES THAT MODULATE SGIP1 BINDING** 09:30 - 09:30

Speaker: Alexandra Fletcher-Jones (United Kingdom)

PS01-26AM-343 **IMPORTANCE OF GLIAL CB1R IN THE REGULATION OF NEUROMUSCULAR REPAIR** 09:30 - 09:30

Speaker: Sophie Charron (Canada)

PS01-26AM-344 **GENETIC DELETION OF ASTROCYTIC CALCINEURIN B1 PREVENTS COGNITIVE IMPAIRMENT AND NEUROPATHOLOGY DEVELOPMENT IN ACUTE AND CHRONIC MOUSE MODELS OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Giulia Dematteis (Italy)

PS01-26AM-345 **CELLULAR SPECIFICITY AND SEXUAL DIMORPHISM OF HIPPOCAMPAL CB1 RECEPTORS ON BEHAVIORAL PROCESSES** 09:30 - 09:30

Speaker: Lucía Sangroniz-Beltrán (Spain)

PS01-26AM-346 **DEVELOPMENT OF PHARMACOLOGICALLY ACTIVE NANOBODIES TARGETING THE MGLU5R-A_{2A}R HETEROMER IN PSYCHOSIS** 09:30 - 09:30

Speaker: Laura Isabel Sarasola (Spain)

Poster Sessions

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Poster Session 01 - Regulation of Social Behaviour

PS01-26AM-095 **OXYTOCIN MEDIATES SOCIAL COLLABORATION IN A CORTICAL-AMYGDALA NETWORK** 09:30 - 09:30

Speaker: Romain Tomà (Switzerland)

PS01-26AM-096 **COMBINING ON-CELL PATCH CLAMP WITH LOCALIZED MUSCIMOL PUFFING TO REVEAL ELECTROPHYSIOLOGICAL** 09:30 - 09:30

ABNORMALITIES IN TRANSGENIC RAT MODELS OF ASD*Speaker:* Nicola Verda (Switzerland)

PS01-26AM-097 **NEUROMODULATION SIGNALING IN THE NUCLEUS ACCUMBENS DURING MATERNAL BEHAVIOR** 09:30 - 09:30

Speaker: Clémence Simonnet (Switzerland)

PS01-26AM-098 **NEURAL MECHANISMS OF PATHOGEN THREAT-INDUCED SOCIAL AVOIDANCE** 09:30 - 09:30

Speaker: Federica Maltese (Switzerland)

PS01-26AM-099 **CELLULAR AND CIRCUIT UNDERPINNINGS OF SOCIAL BEHAVIOUR ADAPTATIONS** 09:30 - 09:30

Speaker: Myrto Panopoulou (Switzerland)

PS01-26AM-100 **TRANSLATIONAL REGULATION OF OXYTOCIN RECEPTOR EXPRESSION IN THE CONTEXT OF SOCIAL BEHAVIOR** 09:30 - 09:30

Speaker: Julia Odermatt (Switzerland)

PS01-26AM-101 **AN ACCESSORY PREFRONTAL CORTEX-THALAMUS CIRCUIT SCULPTS MATERNAL BEHAVIOR IN VIRGIN FEMALE MICE** 09:30 - 09:30

Speaker: Anna Gundacker (Austria)

PS01-26AM-102 **NEURAL MECHANISMS ENCODING GESTATIONAL IMMUNE ACTIVATION IN THE FEMALE BRAIN** 09:30 - 09:30

Speaker: Laura Cuenca Rico (Austria)

PS01-26AM-103 **DECIPHERING LACTATION DYNAMICS: THE ANISOTROPIC SYNCHRONIZATION OF OXYTOCIN NEURONS IN RATS** 09:30 - 09:30

Speaker: YAN TANG (Switzerland)

PS01-26AM-104 **EXPERIENCE-DEPENDENT MODULATION OF SENSORY INPUTS IN THE POSTPARTUM HYPOTHALAMUS FOR INFANT-DIRECTED MOTOR ACTIONS** 09:30 - 09:30

Speaker: Kaya Melissa Baumert (Germany)

PS01-26AM-105 **DOES VOLIZED MOUSE BECOME MORE ROMANTIC?-TRANSCRIPTIONAL LABILITY OF BRAIN OXYTOCIN RECEPTOR (OXTR) GENERATES DIVERSITY IN BRAIN OXTR DISTRIBUTION AND SOCIAL BEHAVIORS** 09:30 - 09:30

Speaker: qi zhang (Japan)

PS01-26AM-106 **LIGHT MODULATES CENTRAL OXYTOCIN AND SOCIAL MEMORY VIA A RETINA-TO-SUPRAOPTIC NUCLEUS CIRCUIT** 09:30 - 09:30

Speaker: Yu-Fan Huang (Taiwan)

PS01-26AM-107 **VASOPRESSIN SHIFTS THE EXCITATION-INHIBITION BALANCE IN THE OLFACTORY BULB NETWORK VIA DIFFERENTIAL EFFECTS ON OLFACTORY BULB NEURON SUBTYPES** 09:30 - 09:30

Speaker: Hajime Suyama (Germany)

PS01-26AM-108 **AIRBORNE OXYTOCIN AFFECTS NAVIGATION PREFERENCE AND SOCIAL BEHAVIOR IN YOUNG BUT NOT OLD MICE** 09:30 - 09:30

Speaker: Li-Han Sun (Taiwan)

PS01-26AM-109 **TUMOR PROTEIN P73 REGULATES PHEROMONAL AND MATING BEHAVIORS IN MICE** 09:30 - 09:30

Speaker: Miriam González-Gómez (Spain)

PS01-26AM-110 **THE NEURAL DYNAMICS OF COMPLEX MATERNAL BEHAVIOR** 09:30 - 09:30

Speaker: Eduarda Streit Morsch (Switzerland)

PS01-26AM-111 **EXPLORING THE ROLE OF UCP2 UNCOUPLING PROTEIN 2 (UCP2) IN SOCIAL BEHAVIOUR THROUGH VASOPRESSINERGIC PATHWAYS** 09:30 - 09:30

Speaker: Adrienn Szabó (Hungary)

PS01-26AM-112	EXPLORING THE ROLE OF PUPS' ODOR IN ALLOPARENTAL BEHAVIORS	09:30 - 09:30
<i>Speaker:</i> Tessa Scarabello (France)		
PS01-26AM-113	OXYTOCIN AMELIORATES AGGRESSION IN A MOUSE MODEL OF AUTISM SPECTRUM DISORDER (ASD)	09:30 - 09:30
<i>Speaker:</i> Zhuoni Li (United Kingdom)		
PS01-26AM-114	VASOPRESSIN NEURONS CONTROL MATING BEHAVIOR IN ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Fang Zhi Chua (Taiwan)		
PS01-26AM-115	PREOPTIC CIRCUIT REMODELLING UNDERLIES ALLOPARENTAL CARE IN JUVENILE MICE	09:30 - 09:30
<i>Speaker:</i> Bradley Jamieson (United Kingdom)		
PS01-26AM-116	SEX DIMORPHISMS DURING JUVENILITY IN NOVELTY BASED SPATIAL MEMORY: POSSIBLE ROLE OF HIPPOCAMPAL OXYTOCIN	09:30 - 09:30
<i>Speaker:</i> Evleen shehadeh (Israel)		
PS01-26AM-117	ROLE OF THE PREFRONTAL CORTEX AND NUCLEUS ACCUMBENS IN MATERNAL AND INFANTICIDAL BEHAVIOR IN NAÏVE MICE (C57BL6)	09:30 - 09:30
<i>Speaker:</i> Marcela Alsina-Llanes (Uruguay)		
PS01-26AM-118	SCENT OF A MEMORY: DISSECTING THE VOMERONASAL-HIPPOCAMPAL AXIS IN SOCIAL RECOGNITION	09:30 - 09:30
<i>Speaker:</i> Camila Alexia Savarelli Balsamo (Spain)		
PS01-26AM-119	MATERNAL FMR1 DEFICIENCY DYSREGULATES OFFSPRING SOCIABILITY AND OXYTOCINERGIC SIGNALING IN THE VTA	09:30 - 09:30
<i>Speaker:</i> Bojana Zupan (United States)		
PS01-26AM-120	OXYTOCIN'S ROLE IN BEHAVIOURAL PRIORITIZATION: EXAMINING COMPETING SOCIAL AND FOOD NEEDS IN MICE	09:30 - 09:30
<i>Speaker:</i> Niranjana Biju (Germany)		
PS01-26AM-121	FAST AND (SOMETIMES) FURIOUS: OXYTOCINERGIC MODULATION OF FAST-SPIKING INTERNEURONS IN HIPPOCAMPAL CA1 REGION AND CAUDOPUTAMEN OF MICE	09:30 - 09:30
<i>Speaker:</i> Antonio Nicolas Castagno (Italy)		
PS01-26AM-122	OXYTOCIN SIGNALING REGULATES MATERNALLY-DIRECTED BEHAVIOR DURING EARLY LIFE	09:30 - 09:30
<i>Speaker:</i> Daniel Zelmanoff (Israel)		
PS01-26AM-123	EARLY OFFSPRING SEPARATION CAUSES INCREASED EMOTIONALITY AND LONG-TERM CHANGES IN THE BRAIN CRF SYSTEM OF LACTATING RATS	09:30 - 09:30
<i>Speaker:</i> Sara Sheibani Tezerji (Germany)		
PS01-26AM-124	OXYTOCIN AND ITS RECEPTORS IN THE DEVELOPING AND ADULT MOUSE CEREBELLUM	09:30 - 09:30
<i>Speaker:</i> Carole Levenes (France)		
PS01-26AM-125	MODULATION OF MOUSE CEREBELLAR PURKINJE CELL ACTIVITY BY OXYTOCIN	09:30 - 09:30
<i>Speaker:</i> Muriel Amar (France)		

Scientific Symposia (S)

09:45 - 11:15

A

S01 - Brain network mechanisms in psychosis: Disease mechanisms and therapeutic opportunities*Chair:* Elvira De Leonibus (CNR, Italy)*Chair:* Maria De Risi (Telethon Institute of genetics and Medicine (TIGEM), Fondazione Telethon, Italy)

Introduction	09:45 - 09:47
A novel brain network dopamine mechanism to expand memory capacity beyond its normal limit	09:47 - 10:05
<i>Speaker:</i> Elvira De Leonibus (CNR, Italy)	
Q&A	10:05 - 10:09
Cellular systems and signaling in D1 dopamine receptor mediated working memory enhancement	10:09 - 10:27
<i>Speaker:</i> Yang Yang (Penn State University College of Medicine, United States)	
Q&A	10:27 - 10:31
Neural substrates of psychosis-like states and cognitive impairment in mouse models of schizophrenia	10:31 - 10:49
<i>Speaker:</i> M. Victoria Puig (Spanish Research Council (CSIC), Spain)	
Q&A	10:49 - 10:53
Tracking developmental connectopathy in 22q11.2 deletion syndrome	10:53 - 11:11
<i>Speaker:</i> Filomena Grazia Alvino (Istituto Italiano di Tecnologia- Center for Neuroscience and Cognitive Systems, Rovereto, Italy, Italy)	
Q&A	11:11 - 11:15
<i>Scientific Symposia (S)</i>	
09:45 - 11:15	B
S02 - Dissecting mechanisms of disease in ASD models for developing and testing personalised treatments	
<i>Chair:</i> Ilse Gantois (McGill University, Rosalind and Morris Goodman Cancer Institute, Canada)	
Introduction	09:45 - 09:47
Novel and complementary pre-clinical approaches to treat Fragile X Syndrome	09:47 - 10:05
<i>Speaker:</i> Barbara Bardoni (CNRS, France)	
Q&A	10:05 - 10:09
Converging molecular pathways in Kleefstra syndrome as targets for therapy	10:09 - 10:27
<i>Speaker:</i> Hans van Bokhoven (Radboud university medical center, Donders Institute for Brain, Cognition and Behaviour, Netherlands)	
Q&A	10:27 - 10:31
Fragile X syndrome and basal ganglia: focus on RGS4	10:31 - 10:49
<i>Speaker:</i> Francesco Longo (University of Gothenburg / Sahlgrenska Academy, Sweden)	
Q&A	10:49 - 10:53
Repurposing of drugs for the treatment of Fragile X and Phelan McDermid syndromes	10:53 - 11:11
<i>Speaker:</i> Ilse Gantois (McGill University, Rosalind and Morris Goodman Cancer Institute, Canada)	
Q&A	11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

C

S03 - Metabolism dynamics orchestrate brain development and evolution*Chair:* Fiona Francis (Institut du Fer à Moulin, Inserm, Sorbonne University, France)**Introduction**

09:45 - 09:45

Dynamic layers of RNA regulation in cortical neurogenesis

09:45 - 10:03

Speaker: Debra Silver (Duke University Medical Center, United States)**Q&A**

10:03 - 10:07

Sphingolipid synthesis pathways in neocortex development and pathology

10:07 - 10:25

Speaker: Fiona Francis (Institut du Fer à Moulin, Inserm, Sorbonne University, France)**Q&A**

10:25 - 10:29

Evolutionary changes in metabolism drive neural progenitor expansion in the human neocortex

10:29 - 10:47

Speaker: Takashi Namba (University of Helsinki, Finland)**Q&A**

10:47 - 10:51

Species-specific mitochondria dynamics regulate the neotenic tempo of human brain development

10:51 - 11:09

Speaker: Pierre Vanderhaeghen (VIB KULeuven, Belgium)**Q&A**

11:09 - 11:13

Scientific Symposia (S)

09:45 - 11:15

D

S04 - Beyond VTA dopamine neurons: Unexpected roles of VTA glutamatergic and GABAergic neurons in behaviour*Chair:* Marisela Morales (Neuronal Networks Section, Integrative Neuroscience Research Branch, National Institute on Drug Abuse (NIDA/NIH), United States)*Chair:* M. Flavia Barbano (Neuronal Networks Section, Integrative Neuroscience Research Branch, National Institute on Drug Abuse (NIDA/NIH), United States)**Introduction**

09:45 - 09:47

VTA glutamatergic neurons modulate feeding behavior in response to threats

09:47 - 10:05

Speaker: M. Flavia Barbano (Neuronal Networks Section, Integrative Neuroscience Research Branch, National Institute on Drug Abuse (NIDA/NIH), United States)**Q&A**

10:05 - 10:09

VTA to amygdala salience networks in the regulation of emotional behaviors

10:09 - 10:27

Speaker: Sebastian Fernandez (Institute of Molecular and Cellular Pharmacology (IPMC), France)**Q&A**

10:27 - 10:31

Role of VTA GABA neurons in controlling sleep-wake states

10:31 - 10:49

Speaker: William Wisden (Faculty of Natural Sciences, Imperial College of London, United Kingdom)**Q&A**

10:49 - 10:53

A novel VTA GABA pathway that encodes unconditioned reward value

10:53 - 11:11

Speaker: Marina Picciotto (Yale University, United States)**Q&A**

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

E

S05 - The hitch-hiker's guide to the axon: RNA transport and local translation on organelles*Chair:* Angelika B. Harbauer (Max Planck Institute for Biological Intelligence, Germany)*Chair:* Jean Michel Cioni (San Raffaele Scientific Institute, San Raffaele Hospital, Italy)**Introduction**

09:45 - 09:47

Metabolic regulation of mitochondrial mRNA hitch-hiking

09:47 - 10:05

Speaker: Angelika B. Harbauer (Max Planck Institute for Biological Intelligence, Germany)**Q&A**

10:05 - 10:09

Role of lysosome-coupled mRNA transport in the maintenance of axonal homeostasis

10:09 - 10:27

Speaker: Juan S. Bonifacino (National Institutes of Health (NIH), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), United States)**Q&A**

10:27 - 10:31

ncRNAs: a non-canonical mode of intracellular transport through organelle hitchhiking

10:31 - 10:49

Speaker: Marie-Laure Baudet (University of Trento, Italy, Italy)**Q&A**

10:49 - 10:53

Local role of ER tubules in axonal translation

10:53 - 11:11

Speaker: Max Koppers (Utrecht University/Vrije Universiteit Amsterdam, Netherlands)**Q&A**

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

F

S06 - Multisensory decisions across species and modalities*Chair:* Philip Coen (University College London, United Kingdom)*Chair:* Seung-Hee Lee (Korea Advanced Institute of Science & Technology (KAIST), Korea, Republic of)**Introduction**

09:45 - 09:47

Proprioceptive, motor, and visual interactions for context-dependent movement correction

09:47 - 10:05

Speaker: Eugenia Chiappe (Champalimaud Centre for the Unknown, Portugal)**Q&A**

10:05 - 10:09

Integration of tactile and auditory input for context-dependent goal-directed behavior

10:09 - 10:27

Speaker: Carl Petersen (Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland)**Q&A**

10:27 - 10:31

Multisensory decision-making signals in parietal and frontal cortices

10:31 - 10:49

Speaker: Anne Churchland (The University of California, Los Angeles, United States)**Q&A**

10:49 - 10:53

Flexible multisensory decisions in mice

10:53 - 11:11

Speaker: Seung-Hee Lee (Korea Advanced Institute of Science & Technology (KAIST), Korea, Republic of)**Q&A**

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

G

S07 - Astrocytes and tanycytes in the regulation of central and peripheral metabolism*Chair:* Cristina Garcia-Caceres (Helmholtz Munich/ LMU Munich, Germany)*Chair:* Maite Solas (University of Navarra, Spain)**Introduction**

09:45 - 09:47

GLUT1 ablation in astrocytes paradoxically improves central and peripheral glucose metabolism

09:47 - 10:05

Speaker: Maite Solas (University of Navarra, Spain)**Q&A**

10:05 - 10:09

Astrocyte-neuron communication in the hypothalamus tunes hunger circuits

10:09 - 10:27

Speaker: Cristina Garcia-Caceres (Helmholtz Munich/ LMU Munich, Germany)**Q&A**

10:27 - 10:31

Astrocyte cannabinoid CB1 receptors control brain metabolism

10:31 - 10:49

Speaker: Giovanni Marsicano (Inserm and University of Bordeaux, France)**Q&A**

10:49 - 10:53

Tanycyte - neuron interactions in control of metabolism

10:53 - 11:11

Speaker: Jens Brüning (Max Planck Institute for Metabolism Research, Germany)**Q&A**

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

H

S08 - Neuronal chloride transporters in health and disease*Chair:* Xin Tang (Boston Children's Hospital, United States)**Introduction**

09:45 - 09:47

The role of aberrant Cl⁻ homeostasis in neurodevelopmental disorders

09:47 - 10:05

Speaker: Laura Cancedda (Italian Institute of Technology, Italy)**Q&A**

10:05 - 10:09

A novel mechanism for post-traumatic interneuron survival mediated by chloride uptake in microglia

10:09 - 10:27

Speaker: Claudio Rivera (University of Helsinki, Finland)**Q&A**

10:27 - 10:31

Molecular and functional characterization of brain disease-associated KCC2 variants

10:31 - 10:49

Speaker: Xin Tang (Boston Children's Hospital, United States)**Q&A**

10:49 - 10:53

Enhancing KCC2 function reduces interictal activity and prevents seizures in MTL epilepsy

10:53 - 11:11

Speaker: Florian Donneger (Institut du Fer Moulin, Sorbonne Université, France)**Q&A**

11:11 - 11:15

Open Theatre (OT)

11:30 - 12:00

OT

OT01 - ZEISS - Introducing the Zeiss Lattice SIM family, a powerful & versatile end-to-end solution for the Neurosciences**Applicative talk about the new ZEISS Systems**

11:30 - 11:30

Speaker: Debora Olivier (ZEISS Research Microscopy Solutions, Germany)**Q&A**

11:30 - 11:30

Sponsored Sessions (SS)

12:00 - 13:00

D

SS01 - INCF launches the Open Neuroscience Award*Special Interest Events (SiE)*

12:00 - 12:45

F

SiE02 - Eating disorders, just a problem of nutrition? From behavioural alterations to genes*Moderator:* Odile Viltart (France)**Programme**

12:00 - 12:00

Speakers

12:00 - 12:00

Speaker: Suzanne Dickson (Sweden)*Speaker:* Philibert Duriez (France)*Speaker:* Eileen Brouwer (Netherlands)*Speaker:* Ibrahim Tastekin (Portugal)*Speaker:* Chiara Musillo (Italy)*Special Interest Events (SiE)*

12:00 - 12:45

G

SiE03 - How and why should I publish in European Journal of Neuroscience?**Programme**

12:00 - 12:00

Speakers

12:00 - 12:00

Speaker: John Foxe (United States)*Speaker:* Yoland Smith (United States)*Speaker:* Antoine Adamantidis (Zentrum für Experimentelle Neurologie (ZEN), Dept of Neurologie, University Hospital Bern, Switzerland)*Speaker:* Paola Bovolenta (Spain)*Speaker:* Guillaume Rousselet (United Kingdom)*Special Interest Events (SiE)*

12:00 - 12:45

RT

SiE04 - Developing Professional and Personal Networks as an Essential Tool to Successful Science Careers*Moderator:* Jean King (United States)**Speakers**

12:00 - 12:00

Speaker: Pamela Butler (United States)*Speaker:* Emmeline Edwards (United States)*Speaker:* Ramesh Raghupathi (United States)*Special Interest Events (SiE)*

12:00 - 12:45

OT

SiE05 - Art of the mind: Using neuroscience data to create immersive worlds**Speakers**

12:00 - 12:00

Speaker: Alejandra Alonso (Netherlands)*Speaker:* Joseph Barnby (United Kingdom)*Speaker:* Mateusz Ambrozkiwicz (Germany)

Speaker: Emmanouil Froudarakis (Greece)

Open Theatre (OT)

13:00 - 13:30

OT

OT02 - 3i - Intelligent Imaging Innovations - AxL Cleared Tissue LightSheet - Axially Swept Light Sheet Microscopy System for Ultrafast Imaging of Cleared Specimens

Special Lecture (SL)

13:30 - 14:30

A

SL02 - Brain Prize Lecture, Michael Greenberg (US)

Introduction

13:30 - 13:35

How nature and nurture conspire in the regulation of postnatal brain development and plasticity

13:35 - 14:30

Speaker: Michael Greenberg (Harvard Medical School, United States)

Special Lecture (SL)

13:30 - 14:15

B

SL03 - Chica and Heinz Schaller Foundation Award Lecture, Maria Pennuto (IT), Sergiu Pasca (US)

Introduction

13:30 - 13:39

How the Human Brain Builds Itself: Reconstructing Neurodevelopment with Stem Cell-Derived Assembloids and Organoids

13:39 - 13:53

Speaker: Sergiu Pasca (Stanford University, United States)

Introduction

13:53 - 13:58

Unlocking the Potential: Advancing from Research to Therapy Development for Neurodegenerative Diseases

13:58 - 14:12

Speaker: Maria Pennuto (Department of Biomedical Sciences, University of Padova, Italy)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Dopamine Dynamics and Plasticity

PS02-26PM-172 **DOPAMINERGIC MODULATION OF *DRD1A-CRE*+ NEURONS AND THEIR LOCAL NETWORK ACTIVITY IN THE MURINE MEDIAL PREFRONTAL CORTEX**

14:00 - 14:00

Speaker: Mohammed Abuelem (United Kingdom)

PS02-26PM-173 **OREXINERGIC ACTIVATION OF *DRD1A-CRE*+ NEURONS IN THE PREFRONTAL CORTEX UNDERLIES ANXIETY BEHAVIOUR**

14:00 - 14:00

Speaker: Luis Fernando Messore (United Kingdom)

PS02-26PM-174 **CONVERGENT REGULATION OF DOPAMINE RELEASE BY STRIATAL DOPAMINE TRANSPORTERS AND GABA RECEPTORS**

14:00 - 14:00

Speaker: Bethan O'Connor (United Kingdom)

PS02-26PM-175 **RECIPROCAL REGULATION OF STRIATAL DOPAMINE AND SEROTONIN RELEASE IN HEALTHY AND PARKINSONIAN MICE**

14:00 - 14:00

Speaker: Qinbo Qiao (United Kingdom)

PS02-26PM-176 **EXPLORING THE ROLE OF AXONAL VOLTAGE-GATED SODIUM CHANNELS IN THE MODULATION OF DOPAMINE RELEASE BY PRESYNAPTIC NICOTINIC RECEPTORS**

14:00 - 14:00

Speaker: Lucille Duquenoy (United Kingdom)

PS02-26PM-177 **REGULATION OF DOPAMINE RELEASE BY STRIATAL ADRENOCEPTORS**

14:00 - 14:00

Speaker: Jessica Livesey (United Kingdom)

PS02-26PM-178 **MODULATION OF CHOLINERGIC INTERNEURONS AND DOPAMINE RELEASE BY STRIATAL ASTROCYTES** 14:00 - 14:00

Speaker: Shinil Raina (United Kingdom)

PS02-26PM-179 **INVESTIGATION OF SYNCAM 2 FUNCTION AT DOPAMINE HUB SYNAPSES OF THE MOUSE STRIATUM** 14:00 - 14:00

Speaker: Vincent Paget-Blanc (France)

PS02-26PM-180 **STRUCTURAL DETERMINANTS OF DOPAMINE RECEPTOR AGONIST SELECTIVITY** 14:00 - 14:00

Speaker: Olga Trovato (Austria)

PS02-26PM-181 **INVESTIGATING AND MODULATING K-OPIOID RECEPTOR G-PROTEIN SIGNALING** 14:00 - 14:00

Speaker: Ana Lechuga (Austria)

PS02-26PM-182 **DIFFERENCES OF DESIGNER RECEPTOR EXCLUSIVELY ACTIVATED BY DESIGNER DRUGS (DREADD) SIGNALING PREFERENCES COMPARED TO WILD TYPE RECEPTORS** 14:00 - 14:00

Speaker: Mitja Amon Posch (Austria)

PS02-26PM-183 **ACUTE DOPAMINE EFFECTS UPON EXCITATORY SYNAPTIC TRANSMISSION IN THE LATERAL CENTRAL AMYGDALA** 14:00 - 14:00

Speaker: Susanne Meis (Germany)

PS02-26PM-184 **DOPAMINE D3 RECEPTOR BLOCKADE ENHANCES HIPPOCAMPAL PLASTICITY THROUGH POST-SYNAPTIC MECHANISMS** 14:00 - 14:00

Speaker: Maria Rosaria Tropea (Italy)

PS02-26PM-185 **CORTICAL INACTIVATION OF DARPP32 IMPAIRS SYNAPTIC AND STRUCTURAL PLASTICITY, ASSOCIATED WITH MOTOR LEARNING** 14:00 - 14:00

Speaker: Clarissa Pisanò (Sweden)

PS02-26PM-186 **IMPLICATION OF MESOCORTICOLIMBIC DOPAMINE TRANSMISSION IN GOAL-DIRECTED BEHAVIORS: A ROLE FOR DOPAMINE AND NMDA RECEPTOR HETEROMERS ?** 14:00 - 14:00

Speaker: Anna Petitbon (France)

PS02-26PM-187 **INTERACTION OF CANNABINOID AND DOPAMINERGIC SIGNALING IN INCIDENTAL LEARNING** 14:00 - 14:00

Speaker: Unai Blanco Fundazuri (France)

PS02-26PM-188 **MODULATION OF AKT AND RIBOSOMAL S6 PROTEIN PHOSPHORYLATION BY DOPAMINE RECEPTORS AND CYCLIC AMP IN THE DEVELOPING RETINA** 14:00 - 14:00

Speaker: Roberto Paes-de-Carvalho (Brazil)

PS02-26PM-189 **NEUROMODULATORS TRIGGER THE FORMATION OF INHIBITORY BOUTONS IN HIPPOCAMPUS VIA ACTIVATION OF CAMP/PKA SIGNALING** 14:00 - 14:00

Speaker: Ségolène Bompierre (Netherlands)

PS02-26PM-190 **D1/D5 DOPAMINE RECEPTORS SUPPORTS POSTSYNAPTIC LONG-TERM GABAERGIC SYNAPTIC PLASTICITY IN THE HIPPOCAMPUS** 14:00 - 14:00

Speaker: Patrycja Brzdąk (Poland)

PS02-26PM-191 **DOPAMINE INCREASES THE PROTEIN SYNTHESIS RATE IN THE HIPPOCAMPUS ENABLING DOPAMINE-DEPENDENT LTP** 14:00 - 14:00

Speaker: Tanja Fuchsberger (United Kingdom)

PS02-26PM-192 **ALTERATIONS IN DOPAMINERGIC INNERVATION AND RECEPTOR EXPRESSION IN MOUSE MODELS AND PATIENTS WITH FOCAL CORTICAL DYSPLASIA** 14:00 - 14:00

Speaker: Norisa Meli (Germany)

PS02-26PM-193 **SEROTONIN MODULATES POLYSYNAPTIC INHIBITION BETWEEN STRIATAL CHOLINERGIC INTERNEURONS** 14:00 - 14:00

Speaker: Joseph Baxendale (Sweden)

PS02-26PM-194 **CHEMOGENETICALLY INDUCED G_Q SIGNALING IS INVOLVED IN THE DENDRITIC AND AXONAL PATTERN FORMATION OF CORTICAL NEURONS** 14:00 - 14:00

Speaker: Ina Köhler (Germany)

PS02-26PM-195 **NETWORK MODULATION USING PATHWAY AND NEUROMODULATOR SPECIFIC CHEMOGENETICS IN MACAQUE FRONTAL CORTEX: FORAGING BEHAVIOUR, IMAGING AND HISTOLOGY** 14:00 - 14:00

Speaker: Charles Wilson (France)

PS02-26PM-196 **PHARMACOLOGICAL ACTIVATION OF THE DOPAMINE D4 RECEPTOR PREVENTS MORPHINE-INDUCED IMPAIRMENT OF ADULT NEUROGENESIS IN THE SUBVENTRICULAR ZONE: FUNCTIONAL IMPLICATIONS IN ODOR DISCRIMINATION LEARNING** 14:00 - 14:00

Speaker: Belen Gago (Spain)

PS02-26PM-197 **EXTRASTRIATAL DOPAMINE DIFFERENTIALLY MODULATES ERRONEOUS PERCEPTUAL CONFIDENCE** 14:00 - 14:00

Speaker: Matthaeus Willeit (Austria)

PS02-26PM-198 **ROLE OF DOPAMINE IN THE MODULATION OF MK801-ENHANCED HYPERLOCOMOTION AND HIGH-FREQUENCY OSCILLATIONS IN THE RAT OLFACTORY BULB** 14:00 - 14:00

Speaker: Jacek Wróbel (Poland)

PS02-26PM-199 **CHARACTERIZATION OF THE CEREBRAL DOPAMINE NEUROTROPHIC FACTOR (CDNF) IN NUCLEUS ACCUMBENS OF RODENTS** 14:00 - 14:00

Speaker: Merce Correa (Spain)

PS02-26PM-200 **ADRENERGIC RECEPTORS CONTROL OF REBOUND DEPOLARIZATION IN MEDIAL PREFRONTAL CORTEX PYRAMIDAL NEURONS** 14:00 - 14:00

Speaker: Przemyslaw Kurowski (Poland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Radial Glia Research

PS02-26PM-576 **ROLE OF NOTCH SIGNALING PATHWAY IN RADIAL GLIAL PROGENITOR LINEAGE PROGRESSION** 14:00 - 14:00

Speaker: Raquel Casado Polanco (Austria)

PS02-26PM-577 **RPTOR/MTORC1 FUNCTION IN RADIAL GLIA PROGENITOR LINEAGE PROGRESSION** 14:00 - 14:00

Speaker: Ana Villalba Requena (Austria)

PS02-26PM-578 **CONSERVED SPECIFIC NUCLEAR CONSTRAINTS IN RADIAL GLIA CELLS** 14:00 - 14:00

Speaker: Soledad Alcántara (Spain)

PS02-26PM-579 **MODELLING THE RADIAL GLIA SCAFFOLD *IN VITRO* TO STUDY RADIAL MIGRATION OF PYRAMIDAL NEURONS** 14:00 - 14:00

Speaker: Tanya Deutsch Guerrero (France)

PS02-26PM-580 **HIPPOCAMPUS BASAL RADIAL GLIA MORPHOTYPES ACROSS DIFFERENT MAMMALIAN SPECIES** 14:00 - 14:00

Speaker: Matilde Aquilino (Finland)

PS02-26PM-581 **CELLREMORPH: A BLENDER-BASED TOOLKIT FOR CONSTRUCTING AND OPTIMIZING MORPHOLOGICALLY DETAILED ASTROGLIAL CELL MODELS** 14:00 - 14:00

Speaker: Laura Keto (Finland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Sensory Circuit Adaptation

PS02-26PM-130 **DEFICIENT OCULAR DOMINANCE PLASTICITY IN PRIMARY VISUAL CORTEX OF OREXIN KNOCKOUT MICE** 14:00 - 14:00

Speaker: Jaya Sowkyadha Sathiyamani (Germany)

PS02-26PM-131 **OREXIN KNOCKOUT MICE HAVE COMPROMISED ORIENTATION DISCRIMINATION AND DISPLAY REDUCED AMPAR-MEDIATED EXCITATION IN L4-2/3 CONNECTIONS IN THE PRIMARY VISUAL CORTEX** 14:00 - 14:00

Speaker: Cornelia Schöne (Germany)

PS02-26PM-132 **ADAPTIVE PLASTICITY IN ADULT BRAIN CIRCUITRY DURING NATURALLY OCCURRING REGENERATION OF SENSORY INPUTS** 14:00 - 14:00

Speaker: Matthew Grubb (United Kingdom)

PS02-26PM-133 **BLOOD PRESSURE PULSATIONS MODULATE OLFACTORY BULB ACTIVITY VIA MECHANOSENSITIVE ION CHANNELS** 14:00 - 14:00

Speaker: Luna Jammal Salameh (Germany)

PS02-26PM-134 **COMPROMISED BINOCULAR VISION AND REDUCED BINOCULARITY IN THE VISUAL CORTEX OF POSTSYNAPTIC DENSITY 95 (PSD-95) KNOCK-OUT MICE** 14:00 - 14:00

Speaker: Siegrid Löwel (Germany)

PS02-26PM-135 **ACTIVITY-DEPENDENT MOLECULAR SIGNATURES OF THE DEVELOPING SENSORY CORTICES** 14:00 - 14:00

Speaker: Dorien Vandael (Spain)

PS02-26PM-136 **OLFACTORY CONTROL OF COGNITIVE DEVELOPMENT** 14:00 - 14:00

Speaker: Yunan Chen (Germany)

PS02-26PM-137 **TWO-TIMEFRAME MONOSYNAPTIC RABIES TRACING REVEALS CHANGES IN NEURONAL CONNECTIVITY CONTRIBUTING TO OCULAR DOMINANCE PLASTICITY IN THE ADULT MOUSE** 14:00 - 14:00

Speaker: Danielle Paynter (Germany)

PS02-26PM-138 **SYNAPTIC ENCODING OF GUSTATORY INFORMATION** 14:00 - 14:00

Speaker: Olga Barba-Vila (France)

PS02-26PM-139 **ACTIVE ZONE MECHANISMS UNDERLYING THE FUNCTIONAL DIFFERENTIATION OF OLFACTORY SENSORY NEURONS IN DROSOPHILA MELANOGASTER** 14:00 - 14:00

Speaker: Namrata Acharya (Germany)

PS02-26PM-140 **STUDY OF BRAIN PLASTICITY FOLLOWING LOSS OF MONOCULAR VISION IN MICE** 14:00 - 14:00

Speaker: ANTONIO CABALLERO TAPIA (Belgium)

PS02-26PM-141 **IDENTIFICATION OF BILATERAL HOMEOSTATIC PLASTICITY IN OLFACTORY GLOMERULI OF X. TROPICALIS TADPOLES** 14:00 - 14:00

Speaker: Marta Casas (Spain)

PS02-26PM-142 **THE BASAL FOREBRAIN CHOLINERGIC SYSTEM LINKING OLFACTION AND COGNITIVE FUNCTION: FROM BASIC STUDIES TO CLINICAL APPLICATION** 14:00 - 14:00

Speaker: Sae Uchida (Japan)

PS02-26PM-143 **A TOPOGRAPHICAL MAP IN THE MAIN OLFACTORY CORTEX** 14:00 - 14:00

Speaker: Rafi Haddad (Israel)

PS02-26PM-144 **TOWARDS THE CELLULAR SUBSTRATE OF ANISOTROPIC LATERAL INHIBITION BETWEEN RAT OLFACTORY BULB GLOMERULI** 14:00 - 14:00

Speaker: Esteban Pino Rodriguez (Germany)

PS02-26PM-145 **THE ROLE OF THE NASAL EPITHELIUM IN THE GENERATION OF WAKE-RELATED ELECTROPHYSIOLOGICAL RHYTHMS IN THE OLFACTORY BULB OF RATS** 14:00 - 14:00

Speaker: Wiktoria Podolecka (Poland)

PS02-26PM-146 **AN OLFACTION-DEPENDENT CRITICAL WINDOW FOR SOMATOSENSORY DEVELOPMENT** 14:00 - 14:00

Speaker: Linbi Cai (Switzerland)

PS02-26PM-147 **CORTICAL NETWORK REORGANIZATION OF CONGENITAL AND PERINATAL BLINDNESS IN MICE** 14:00 - 14:00

Speaker: Guillaume Laliberté (Canada)

PS02-26PM-148 **PHYSIOLOGICAL AND MORPHOLOGICAL CHARACTERIZATION OF SYNCHRONOUS OSCILLATORY NETWORK IN THE SLUG OLFACTORY CENTER *IN VITRO*** 14:00 - 14:00

Speaker: Suguru Kobayashi (Japan)

PS02-26PM-149 **OLFACTORY NEUROGENESIS AFTER VISUAL IMPAIRMENT: A ROLE IN SENSORY COMPENSATION?** 14:00 - 14:00

Speaker: Oisorjo Chakraborty (Austria)

PS02-26PM-150 **TRANSIENT GALANIN EXPRESSION MODULATES PERIPHERAL-TO-CENTRAL CONNECTIVITY IN THE SOMATOSENSORY THALAMUS DURING WHISKER DEVELOPMENT IN MICE** 14:00 - 14:00

Speaker: Zsafia Hevesi (Austria)

PS02-26PM-151 **LAYER 1 NDNF+ INTERNEURONS CONTROL BILATERAL SENSORY PROCESSING IN AN AGE- AND LAYER-DEPENDENT MANNER** 14:00 - 14:00

Speaker: Anna Cavaccini (Switzerland)

PS02-26PM-152 **POTENTIAL INTEGRATION OF MAIN AND ACCESSORY OLFACTORY BULB AXONAL PROJECTIONS IN THE MOUSE AMYGDALA** 14:00 - 14:00

Speaker: Moritz Nesseler (Germany)

PS02-26PM-153 **OZONE EFFECT ON OLFACTORY SENSITIVITY AND OLFACTORY BULB DOPAMINERGIC NEURON EXCITABILITY** 14:00 - 14:00

Speaker: Angela Pignatelli (Italy)

Poster Sessions

14:00 - 17:30

Posters

PS02 - Poster Session 02 (Poster authors in attendance: 14:00 - 15:30)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Advanced Neuroimaging Techniques

PS02-26PM-404 **A MULTIMODAL APPROACH TO INVESTIGATE HUMAN BRAIN MESOSCALE CIRCUITS WITH CELLULAR AND SUBCELLULAR RESOLUTION** 14:00 - 14:00

Speaker: Irene Incerti (Italy)

PS02-26PM-405	CHOLINERGIC SYSTEM AND AMYLOID BETA (AB) INTERPLAY AT TRIPARTITE GLUTAMATERGIC SYNAPSES IN AN ALTERNATIVE MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Manuela Tore (Italy)		
PS02-26PM-406	COMBINING ELECTROPHYSIOLOGY, TISSUE CLEARING, AND LIGHT SHEET MICROSCOPY FOR AN INTEGRATED APPROACH TOWARDS BRAIN CIRCUIT UNDERSTANDING	14:00 - 14:00
<i>Speaker:</i> Sebastian Böhm (Austria)		
PS02-26PM-407	PATHODISCO-HE: LIGHT SHEET MICROSCOPY AND FLUORESCENT LABELLING OF GLIOBLASTOMA MULTIFORME FOR 3D VIRTUAL H&E IMAGING AND IMPROVED PATHOHISTOLOGICAL EVALUATION	14:00 - 14:00
<i>Speaker:</i> James Oakes-Klein (Austria)		
PS02-26PM-408	STITCHING CORTICES: A CORTICAL SURFACE RECONSTRUCTION METHOD FOR LESSER-KNOWN ANIMALS	14:00 - 14:00
<i>Speaker:</i> Heitor Mynssen (Brazil)		
PS02-26PM-409	BRAZILIAN NEUROBIODIVERSITY NETWORK - CETACEAN BRAIN COLLECTION INITIATIVE FOR MORPHOLOGICAL RESEARCH	14:00 - 14:00
<i>Speaker:</i> Kamilla Souza (Brazil)		
PS02-26PM-410	DENSE RECONSTRUCTION OF MAMMALIAN BRAIN TISSUE WITH LIGHT MICROSCOPY	14:00 - 14:00
<i>Speaker:</i> Mojtaba Tavakoli (Austria)		
PS02-26PM-411	DIRECT VISUALIZATION OF PROTEIN AGGREGATES IN SYNAPTOSOMES	14:00 - 14:00
<i>Speaker:</i> Shekhar Kedia (United Kingdom)		
PS02-26PM-412	METHOD FOR 3D QUANTITATIVE ANALYSIS OF ENTERIC NERVOUS SYSTEM REMODELING IN MOUSE AND HUMAN GUT TISSUES	14:00 - 14:00
<i>Speaker:</i> Arielle Planchette (Switzerland)		
PS02-26PM-413	STED MICROSCOPY REVEALS DENDRITE-SPECIFICITY OF SPINES	14:00 - 14:00
<i>Speaker:</i> Marcel Lauterbach (Germany)		
PS02-26PM-414	COMPARISON OF HISTOLOGICAL PROCEDURES AND ANTIGENICITY OF HUMAN POSTMORTEM BRAINS FIXED WITH SOLUTIONS USED IN GROSS-ANATOMY LABORATORIES	14:00 - 14:00
<i>Speaker:</i> Eve-Marie Frigon (Canada)		
PS02-26PM-415	MACRO2MESOSPIM LIGHT-SHEET SYSTEM AND TISSUE SPECIFIC CLEARING STRATEGIES ENABLE UNOBSTRUCTED 3D ORGAN AND ORGANISM INTERROGATION	14:00 - 14:00
<i>Speaker:</i> Marko Pende (United States)		
PS02-26PM-416	USING CRYO-ELECTRON TOMOGRAPHY (CRYO-ET) TO STUDY THE MOLECULAR ARCHITECTURE OF SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Thanh Thao Do (Germany)		
PS02-26PM-417	ORGANIZATION PRINCIPLES OF THE NEURONAL ULTRASTRUCTURE REVEALED WITH 3D ELECTRON MICROSCOPY	14:00 - 14:00
<i>Speaker:</i> Matthias Haberl (Germany)		
PS02-26PM-418	MICROCIRCUITS IN THE MARMOSET PREFRONTAL CORTEX: A LARGE VOLUME CORRELATIVE LIGHT-ELECTRON MICROSCOPY STUDY	14:00 - 14:00
<i>Speaker:</i> Nilton Liuji Kamiji (Japan)		
PS02-26PM-419	DENSE SYNAPSE-LEVEL RECONSTRUCTION OF BRAIN TISSUE WITH SUPER RESOLUTION LIGHT MICROSCOPY	14:00 - 14:00
<i>Speaker:</i> Julia Lyudchik (Austria)		

PS02-26PM-420	LARGE-SCALE HISTOLOGICAL 3D MAPPING OF NEURODEGENERATIVE AND PSYCHIATRIC DISORDERS IN THE HUMAN BRAIN	14:00 - 14:00
<i>Speaker:</i> Tomas Jorda (Switzerland)		
PS02-26PM-421	EFFECT OF DIFFERENT FIXATION PROTOCOLS ON HUMAN BRAIN TISSUE PRESERVATION AND IMMUNOGENEITY	14:00 - 14:00
<i>Speaker:</i> Bibiána Török (Hungary)		
PS02-26PM-422	BIOORTHOGONAL TAG- A MODERN WAY TO VISUALIZE POLYAMINATED PROTEINS IN HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Aleksandra Owczarek (Poland)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Memory Mechanisms		
PS02-26PM-001	PERTURBING INHIBITORY ACTIVITY INTERFERES WITH MEMORY REACTIVATION AND ATTENUATES LEARNING IN POSTHINAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Kristian Kinden Lensjø (Norway)		
PS02-26PM-002	VISUAL ASSOCIATIVE LEARNING IN THE MEDIAL ENTORHINAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Ingeborg Nymo (Norway)		
PS02-26PM-003	SOMA-TARGETED GECI CONSTRUCTS FOR INTRACEREBRAL OR INTRAVENOUS ADMINISTRATION, INCLUDING JGCAMP8, NEMO AND EGCAMP CONSTRUCTS	14:00 - 14:00
<i>Speaker:</i> Sverre Grødem (Norway)		
PS02-26PM-004	BRAINVECTOR - A COMPREHENSIVE PLATFORM FOR PRE-CLINICAL DEVELOPMENT OF AAV BASED GENE THERAPIES FOR BRAIN DISEASES	14:00 - 14:00
<i>Speaker:</i> Nils-Anders Labba (Norway)		
PS02-26PM-005	THETA MODULATION OF GRID CELLS IN THE MEDIAL ENTORHINAL CORTEX IN A NOVEL ENVIRONMENT TASK	14:00 - 14:00
<i>Speaker:</i> Maria Fjeldstad (Norway)		
PS02-26PM-006	EXPLORING SOCIAL AND SPATIAL CODING IN THE LATERAL AND MEDIAL ENTORHINAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Elise Reppe Olsen (Norway)		
PS02-26PM-007	TARGETED PERTURBATION OF ENDOGENOUS MECHANISMS FOR THE REGULATION OF PERINEURONAL NETS	14:00 - 14:00
<i>Speaker:</i> Guro Vatne (Norway)		
PS02-26PM-008	SOCIAL AND SPATIAL CODES IN THE HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Sarah Thon (Norway)		
PS02-26PM-010	CORTICAL-HIPPOCAMPAL INTERACTION IN THE CONTEXT OF MEMORY TASK	14:00 - 14:00
<i>Speaker:</i> Francesco Battaglia (Netherlands)		
PS02-26PM-011	MEASURING INTEGRATION OF NOVEL AND PRE-EXISTING KNOWLEDGE IN HIPPOCAMPUS AND NEOCORTEX	14:00 - 14:00
<i>Speaker:</i> Angela Zordan (Netherlands)		
PS02-26PM-012	A VIRTUAL-REALITY TASK TO INVESTIGATE MULTISENSORY OBJECT RECOGNITION IN MICE	14:00 - 14:00
<i>Speaker:</i> Veronique Stokkers (Netherlands)		
PS02-26PM-013	NEURONAL CORRELATES OF SOCIAL AND SPATIAL CUES IN THE MOUSE RETROSPLENIAL CORTEX	14:00 - 14:00

<i>Speaker:</i> Rotinda Bilek (Netherlands)		
PS02-26PM-014	POWER PIXELS: A PYTHON-BASED PIPELINE FOR PROCESSING OF NEUROPIXELS RECORDINGS	14:00 - 14:00
<i>Speaker:</i> Jeroen Bos (Netherlands)		
PS02-26PM-015	FRONTAL DYNAMICS UNDERLYING FLEXIBLE DECISION MAKING IN MICE	14:00 - 14:00
<i>Speaker:</i> Francesca Abela (Netherlands)		
PS02-26PM-016	BRAIN WIDE MODULATION OF TEMPORAL- AND RATE CODES DURING HIPPOCAMPAL SHARP WAVE RIPPLES	14:00 - 14:00
<i>Speaker:</i> Guido Meijer (Netherlands)		
PS02-26PM-017	HEADFIXED SOCIAL FEAR LEARNING IN MOUSE WITH VIRTUAL SPATIAL CUES AND REAL DEMONSTRATOR	14:00 - 14:00
<i>Speaker:</i> Arie Kim (Netherlands)		
PS02-26PM-018	DEVELOPMENT OF HIPPOCAMPAL-CORTICAL INTERACTION DURING SLEEP IN PUPS	14:00 - 14:00
<i>Speaker:</i> Morgane Audrain (Netherlands)		
PS02-26PM-019	REAL-TIME DETECTION OF SHARP-WAVE RIPPLES WITH A CLOSED-LOOP STIMULATION FRAMEWORK	14:00 - 14:00
<i>Speaker:</i> Cem Uran (Netherlands)		
PS02-26PM-020	VENTRAL HIPPOCAMPAL FUNCTIONAL INHIBITION DISRUPTS REPEATED REVERSAL LEARNING, WHEREAS DISINHIBITION DISRUPTS EXPRESSION OF THE PREVIOUS RESPONSE	14:00 - 14:00
<i>Speaker:</i> Rachel Grasmeder Allen (United Kingdom)		
PS02-26PM-021	THE ROLE OF DORSAL-VENTRAL HIPPOCAMPAL DYNAMICS IN SLEEP-DEPENDENT PROCESSING OF AVERSIVE EXPERIENCES	14:00 - 14:00
<i>Speaker:</i> Juan Facundo Morici (France)		
PS02-26PM-022	DORSAL-VENTRAL HIPPOCAMPAL CODING OF EMOTIONAL EXPERIENCES	14:00 - 14:00
<i>Speaker:</i> Azul Silva (France)		
PS02-26PM-023	CHARACTERIZATION OF MEDIAL SEPTAL GLUTAMATERGIC NEURONS PROJECTING ALONG THE DORSO-VENTRAL HIPPOCAMPAL AXIS	14:00 - 14:00
<i>Speaker:</i> Saskia Moritz (Germany)		
PS02-26PM-024	LOCOMOTION INDUCED BY MEDIAL SEPTAL GLUTAMATERGIC NEURONS IS LINKED TO INTRINSICALLY GENERATED PERSISTENT FIRING	14:00 - 14:00
<i>Speaker:</i> Endre Levente Marosi (Germany)		
PS02-26PM-025	REUNIENS/RHOMBOID AND ENCODING CONTEXTUAL MEMORY?	14:00 - 14:00
<i>Speaker:</i> Aline Stephan (France)		
PS02-26PM-026	THE ROLE OF PREFRONTAL SPATIAL CODING IN SUPPORTING A CONTEXTUAL ASSOCIATION TASK	14:00 - 14:00
<i>Speaker:</i> Andrea Cumpelik (Austria)		
PS02-26PM-027	SIGNATURES OF CRITICAL DYNAMICS IN THE RAT HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Predrag Živadinović (Austria)		
PS02-26PM-028	HIERARCHICAL REORGANISATION OF THE HIPPOCAMPAL CODE DURING LEARNING	14:00 - 14:00
<i>Speaker:</i> Heloisa Chiossi (Austria)		
PS02-26PM-029	EVOLUTION OF PREFRONTAL-HIPPOCAMPAL ACTIVITY DURING GRADUAL LEARNING ON A RADIAL EIGHT-ARM MAZE.	14:00 - 14:00

Speaker: Uladzislau Barayeu (Austria)

PS02-26PM-030 **A BRAINSTEM-HIPPOCAMPUS SYSTEM-LEVEL INTERACTION SUPPORTS MEMORY FORMATION** 14:00 - 14:00

Speaker: Juan F. Ramirez-Villegas (Austria)

PS02-26PM-031 **PSD-95-DEPENDENT SYNAPTIC TRANSMISSION IN THE DORSAL CA1 AREA (DCA1) OF THE HIPPOCAMPUS IS REQUIRED FOR UPDATING, BUT NOT FORMATION, OF CONTEXTUAL MEMORIES** 14:00 - 14:00

Speaker: Monika Puchalska (Poland)

PS02-26PM-032 **MAKING DECISIONS: NOVEL METHOD FOR EXPLORING SPATIAL CHOICES** 14:00 - 14:00

Speaker: Julia Świdorska (Poland)

PS02-26PM-033 **THE ROLE OF TDG-MEDIATED DNA DEMETHYLATION IN SPATIAL COGNITION** 14:00 - 14:00

Speaker: Dagny Døskeland (Norway)

PS02-26PM-034 **DNA REPAIR ENZYME NEIL3 IMPACTS THE FUNCTIONALITY OF HIPPOCAMPAL NEURONS** 14:00 - 14:00

Speaker: Vidar Saasen (Norway)

PS02-26PM-035 **LATENT STATE REPRESENTATIONS IN VENTRAL HIPPOCAMPUS DURING FLEXIBLE DECISION MAKING** 14:00 - 14:00

Speaker: Karyna Mishchanchuk (United Kingdom)

PS02-26PM-036 **CONTEXTUAL INFERENCE RELIES ON INPUT FROM THE NUCLEUS REUNIENS OF THE THALAMUS TO THE HIPPOCAMPUS** 14:00 - 14:00

Speaker: Jessica Passlack (United Kingdom)

PS02-26PM-037 **ADOLESCENT STRESS IMPAIRS BEHAVIOURAL FLEXIBILITY IN ADULTS THROUGH POPULATION-SPECIFIC ALTERATIONS TO VENTRAL HIPPOCAMPAL CIRCUITS** 14:00 - 14:00

Speaker: Gabrielle Gregoriou (United Kingdom)

PS02-26PM-038 **A ROLE FOR ACETYLCHOLINE IN UNCERTAIN DECISION MAKING** 14:00 - 14:00

Speaker: Ella Svahn (United Kingdom)

PS02-26PM-039 **CORTICO-HIPPOCAMPAL INTERACTIONS SUPPORTING FLEXIBLE SPATIAL BEHAVIOURS IN HEAD-RESTRAINED MICE** 14:00 - 14:00

Speaker: Bálint Lasztóczy (Austria)

PS02-26PM-040 **COMMUNICATION BETWEEN THE HIPPOCAMPUS, NUCLEUS ACCUMBENS AND VENTRAL TEGMENTAL AREA DURING LEARNING AND MEMORY** 14:00 - 14:00

Speaker: Raphael Brito (France)

PS02-26PM-041 **NEURAL UNDERPINNINGS OF CONFLICT BETWEEN MEMORY AND SENSORY-DRIVEN EXPERIENCES** 14:00 - 14:00

Speaker: Manish Prajapat (India)

PS02-26PM-042 **IN VIVO PATCH-CLAMP RECORDINGS FROM MEDIAL SEPTAL NUCLEUS NEURONS** 14:00 - 14:00

Speaker: Hana Samejima (Japan)

PS02-26PM-043 **REVISITATION DURING VISUAL EXPLORATION LINKED TO MEMORY DURABILITY AND HIPPOCAMPAL DYNAMICS** 14:00 - 14:00

Speaker: Luise Graichen (Austria)

PS02-26PM-044 **BRAIN AREAS THAT CONSTITUTE VENTRAL PATHWAY CIRCUITS ARE INDEPENDENTLY ABLE TO INDUCE ENHANCEMENT IN OBJECT MEMORY AND CAUSE REVERSAL IN OBJECT MEMORY DEFICIT** 14:00 - 14:00

Speaker: Zafar Khan (Spain)

PS02-26PM-045	VENTRAL STRIATAL CONTROL OF SPATIAL MEMORY CONSOLIDATION IN THE HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Mattia Santoboni (Italy)		
PS02-26PM-046	NOVELTY SELECTIVELY PERMITS LEARNING-ASSOCIATED PLASTICITY IN VENTRAL TEGMENTAL-HIPPOCAMPAL-PREFRONTAL CIRCUITRY	14:00 - 14:00
<i>Speaker:</i> Alan Jung Park (Korea, Republic of)		
PS02-26PM-047	POSTNATAL CAJAL-RETZIUS CELL ABLATION INDUCED LEARNING DEFICITS IN YOUNG ADULT MICE	14:00 - 14:00
<i>Speaker:</i> Ingvild Glærum (Norway)		
PS02-26PM-048	SPECIFIC ABLATION OF HIPPOCAMPAL THETA ACTIVITY DURING LOCOMOTION IMPAIRS LEARNING	14:00 - 14:00
<i>Speaker:</i> Abhilasha Joshi (United States)		
PS02-26PM-049	INVOLVEMENT OF ENTORHINAL INPUT TO THE HIPPOCAMPUS IN PROCESSING "WHAT" AND "WHERE" INFORMATION IN TWIN VARIANTS OF A MEMORY TASK	14:00 - 14:00
<i>Speaker:</i> Ana Belen de Landeta (Norway)		
PS02-26PM-050	NOVEL ITEM-PLACE LEARNING TRIGGERS SOMATIC GENE EXPRESSION IN THE DORSAL HIPPOCAMPUS AND ANTERIOR RETROSPLENIAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Thu Huong Hoang (Germany)		
PS02-26PM-051	MAPPING SPATIAL ORGANIZATION OF FUNCTIONAL INPUTS	14:00 - 14:00
<i>Speaker:</i> Vincenzo Regio (Italy)		
PS02-26PM-052	CORTICAL REINSTATEMENT: A DIRECT APPROACH TO TESTING HIPPOCAMPAL INDEXING THEORY	14:00 - 14:00
<i>Speaker:</i> Katarzyna Sawicka (Poland)		
PS02-26PM-053	HIPPOCAMPAL ARC/ARG3.1 MODIFIES COORDINATED NEURAL FIRING IN CORTICO-HIPPOCAMPAL NETWORKS	14:00 - 14:00
<i>Speaker:</i> Abdurahman Hassan Abdurahman Kuku (Germany)		
PS02-26PM-054	SHEDDING LIGHT ON OBJECT LOCATION RECALL: OPTOGENETIC PRIMING OF THE HIP-MPFC PATHWAY FOR OBJECT-LOCATION MEMORY	14:00 - 14:00
<i>Speaker:</i> Julia Buescher (Germany)		
PS02-26PM-055	A ROLE FOR HIPPOCAMPAL CA1 IN STRUCTURAL LEARNING IN MICE	14:00 - 14:00
<i>Speaker:</i> Svenja Nierwetberg (United Kingdom)		
PS02-26PM-056	REUNIENS-HIPPOCAMPUS SYNCHRONIZATION IS REQUIRED FOR SUCCESSFUL NAVIGATION AND DECISION MAKING	14:00 - 14:00
<i>Speaker:</i> Tristan Baumann (Germany)		
PS02-26PM-057	HOW THE VGLUT3 POSITIVE MEDIAN RAPHE CELLS MODULATE THE HIPPOCAMPAL RESPONSE TO SALIENT STIMULI?	14:00 - 14:00
<i>Speaker:</i> Marta Jelitai (Hungary)		
PS02-26PM-058	PROBING MEMORY FORMATION AND RETRIEVAL IN HIPPOCAMPAL NETWORKS	14:00 - 14:00
<i>Speaker:</i> Ivan Montiel (France)		
PS02-26PM-059	HIPPOCAMPUS IS NECESSARY FOR IMPLICIT STATISTICAL LEARNING: INSIGHTS FROM MOUSE AND HUMAN PUPILLOMETRY	14:00 - 14:00
<i>Speaker:</i> Adedamola Onih (United Kingdom)		
PS02-26PM-060	NEURAL CORRELATES OF CATEGORIZATION IN HIPPOCAMPUS CA1	14:00 - 14:00

Speaker: Laura Sainz Villalba (Switzerland)

PS02-26PM-061 **SENSORY CUES BIND MEMORY REPRESENTATIONS FACILITATING CONSOLIDATION** 14:00 - 14:00

Speaker: Joe Moore (France)

PS02-26PM-063 **RESOLVING DECISION-MAKING DURING EMOTIONAL CONFLICTS BY VENTRAL HIPPOCAMPAL CIRCUITS** 14:00 - 14:00

Speaker: Carlo Cerquetella (Switzerland)

PS02-26PM-064 **CHRONIC IN VIVO ELECTROPHYSIOLOGICAL RECORDINGS FROM THE HIPPOCAMPUS IN FREELY MOVING, PRE-WEANED MICE** 14:00 - 14:00

Speaker: Jasmin Steudler (Netherlands)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Epilepsy, Pathogenesis and Comorbidities

PS02-26PM-236 **EPILEPTOGENESIS MODIFIES THE HIPPOCAMPAL MOLECULAR OSCILLATORY PROFILE IN MICE** 14:00 - 14:00

Speaker: Radharani Benvenuti (Ireland)

PS02-26PM-237 **IL-1-PIP3 SIGNAL CASCADE MEDIATES EPILEPSY AND SLEEP DISTURBANCES** 14:00 - 14:00

Speaker: Shu-Hui Huang (Taiwan)

PS02-26PM-239 **ALTERED SEMAPHORIN (SEMA3F) LEVELS LEAD TO INCREASED GLUTAMATERGIC SYNAPTIC TRANSMISSION IN TEMPORAL LOBE EPILEPSY (TLE)** 14:00 - 14:00

Speaker: Vivek Dubey (India)

PS02-26PM-240 **METABOLIC DYNAMICS SHAPES NEURAL ACTIVITY: A FRAMEWORK FOR CONTROL OF EPILEPSY** 14:00 - 14:00

Speaker: Richard Sebastian Eydam (Japan)

PS02-26PM-241 **THE KAINIC ACID INDUCED STATUS EPILEPTICUS. COMPARATIVE STUDY OF THE HIPPOCAMPUS ULTRASTRUCTURE IN WISTAR RATS** 14:00 - 14:00

Speaker: Irine Sharikadze (Georgia)

PS02-26PM-242 **TERMINATION OF CONVULSION SEIZURES BY DESTABILIZING AND PERTURBING SEIZURE MEMORY ENGRAMS** 14:00 - 14:00

Speaker: Xinyue Ma (China)

PS02-26PM-243 **THE IMPACT OF NEURODEGENERATION ON THE ELECTRICAL ACTIVITY OF BRAIN TISSUE: MULTIELECTRODE ARRAY ANALYSIS** 14:00 - 14:00

Speaker: Andrijana Angelovski (Czech Republic)

PS02-26PM-244 **HIF-1A INDUCES CAV3.2 AND PAVES THE WAY FOR POST-ISCHEMIC EPILEPTOGENESIS** 14:00 - 14:00

Speaker: Anna Tröscher (Austria)

PS02-26PM-245 **VIRAL ENCEPHALITIS CAUSES RAPID TRANSIENT DEPLETION OF NEURONAL PROGENITOR CELLS AND CHRONICALLY ALTERS NEUROGENESIS IN THE ADULT MOUSE DENTATE GYRUS** 14:00 - 14:00

Speaker: Alberto Pauletti (Germany)

PS02-26PM-246 **EPILEPTIC ACTIVITY INDUCES RAPID ROCK1-DEPENDENT ASTROCYTE MORPHOLOGY CHANGES** 14:00 - 14:00

Speaker: Petr Unichenko (Germany)

PS02-26PM-247 **EVIDENCE FOR INVOLVEMENT OF AN MTOROPATHIC HIPPOCAMPAL DG/CA3 CONNECTOPATHY IN THE ETIOLOGY AND COGNITIVE COMORBIDITIES OF MEDIAL TEMPORAL LOBE** 14:00 - 14:00

EPILEPSY*Speaker:* Farzad Khanipour (Poland)

PS02-26PM-248 **COGNITIVE COMORBIDITIES IN YOUNG AND ADULT RATS WITH ABSENCE SEIZURES** 14:00 - 14:00

Speaker: Mariana Neuparth-Sottomayor (Portugal)

PS02-26PM-249 **CIRCADIAN TIMING OF LIMBIC SEIZURES IN THE EPILEPTIC MOUSE** 14:00 - 14:00

Speaker: Kristina Slabeva (Switzerland)

PS02-26PM-250 **UNCOVERING HSP60'S ROLE IN TEMPORAL LOBE EPILEPSY** 14:00 - 14:00

Speaker: Aranea Dunckley (United States)

PS02-26PM-251 **ANALYSIS OF DIFFERENCES IN HIPPOCAMPAL ADULT NEUROGENESIS INDUCED BY ACUTE MILD AND SEVERE SEIZURES IN YOUNG MICE** 14:00 - 14:00

Speaker: Diana Laura López Ibarra (Mexico)

PS02-26PM-252 **ANTI-EPILEPTIC MEDICATION IS ASSOCIATED WITH EXCITATORY SYNAPTIC STRENGTHENING IN PYRAMIDAL NEURONS OF THE ADULT HUMAN NEOCORTEX** 14:00 - 14:00

Speaker: Amelie Eichler (Germany)

PS02-26PM-253 **ALTERED SYNAPTIC STRUCTURES IN THE HUMAN DYSPLASTIC NEOCORTEX** 14:00 - 14:00

Speaker: Na-young Seo (Korea, Republic of)

PS02-26PM-254 **ALTERATIONS IN GABA POLARITY CONTRIBUTE TO CHANGES IN NETWORK ACTIVITY IN A MODEL OF FOCAL CORTICAL DYSPLASIA TYPE 2** 14:00 - 14:00

Speaker: Anouk Heuvelmans (Netherlands)

PS02-26PM-255 **CIRCULATING MICRORNAs AND ISOMIRs AS BIOMARKERS FOR THE INITIAL INSULT AND EPILEPTOGENESIS IN FOUR EXPERIMENTAL EPILEPSY MODELS - THE EPITARGET STUDY** 14:00 - 14:00

Speaker: Silvia Zucchini (Italy)

PS02-26PM-256 **THE IMPACT OF EPILEPTIC NEURONAL ACTIVITY ON OLIGODENDROCYTE LINEAGE CELLS AND MYELINATION IN A MOUSE MODEL OF FOCAL CORTICAL DYSPLASIA** 14:00 - 14:00

Speaker: Adam Bogdanovič (Czech Republic)

PS02-26PM-257 **EFFECTS OF LONG-TERM LOW FREQUENCY STIMULATION ON SEIZURES, HISTOPATHOLOGY AND BEHAVIOR IN A MOUSE MODEL OF TEMPORAL LOBE EPILEPSY** 14:00 - 14:00

Speaker: Piret Kleis (Germany)

PS02-26PM-258 **REGION-SPECIFIC DYSREGULATION OF THE HISTONE DEACETYLASE 4-SERUM RESPONSE FACTOR AXIS IN TEMPORAL LOBE EPILEPSY** 14:00 - 14:00

Speaker: Sonali Kumar (India)

PS02-26PM-259 **NEUREGULIN I TYPE III OVEREXPRESSION AS A LINK BETWEEN SCHIZOPHRENIA SPECTRUM DISORDER AND EPILEPSY** 14:00 - 14:00

Speaker: Mehrnoush Zobeiri (Germany)

PS02-26PM-260 **A CORRELATION STUDY BETWEEN BRAIN LESIONS AND SEVERITY OF THE EPILEPTIC SYNDROME IN THE PILOCARPINE MODEL OF TEMPORAL LOBE EPILEPSY** 14:00 - 14:00

Speaker: Elisa Ren (Italy)

PS02-26PM-261 **PHOSPHORYLATED PROTEIN TYROSINE KINASE 2 EXHIBITS ALTERED EXPRESSION IN A REGION-SPECIFIC MANNER IN TEMPORAL LOBE EPILEPSY** 14:00 - 14:00

Speaker: Ozasvi Rajeev Shanker (India)

PS02-26PM-262	CHANGES IN ENDOCANNABINOID-DEPENDENT SYNAPTIC PLASTICITY IN CA1 HIPPOCAMPUS OF A MOUSE MODEL OF TEMPORAL LOBE EPILEPSY	14:00 - 14:00
<i>Speaker:</i> Amaia Mimenza (Spain)		
PS02-26PM-263	OREXIN-2 RECEPTOR PROTEIN LEVELS IN THE THALAMOCORTICAL AXIS IN GENETIC ABSENCE EPILEPSY RATS FROM STRASBOURG	14:00 - 14:00
<i>Speaker:</i> Devrim Oz Arslan (Turkey)		
PS02-26PM-264	NO EVIDENCE OF THALAMIC CONTRIBUTION TO SEIZURE GENERALIZATION	14:00 - 14:00
<i>Speaker:</i> Peter Barthó (Hungary)		
PS02-26PM-265	DIFFERENTIAL DISTRIBUTION OF KEY REGULATORY ION CHANNELS IN EXCITATORY SYNAPSES OF THE EPILEPTIC HUMAN BRAIN REVEALED BY FREEZE-FRACTURE REPLICAS ANALYSIS	14:00 - 14:00
<i>Speaker:</i> Walter Kaufmann (Austria)		
PS02-26PM-266	CHARACTERIZATION OF AN HIPPOCAMPAL MODEL OF EPILEPTIFORM ACTIVITY	14:00 - 14:00
<i>Speaker:</i> Pablo Reyes Velasquez (Spain)		
PS02-26PM-267	MICROGLIA-SPECIFIC CIRCADIAN RHYTHM DISRUPTION LEADS TO AN ALTERED INFLAMMATORY PROFILE AND INCREASED SUSCEPTIBILITY TO SEIZURES.	14:00 - 14:00
<i>Speaker:</i> Tammy Strickland (Ireland)		
PS02-26PM-268	CEREBRAL MALARIA LEADS TO PERSISTENT MICROGLIAL ACTIVATION, LONG-TERM BEHAVIOURAL CHANGES AND ELECTROGRAPHIC SEIZURES IN MICE	14:00 - 14:00
<i>Speaker:</i> Marion Bankstahl (Germany)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Late-Breaking Abstracts		
PS02-26PM-582	CONNECTOME OF SOMATOTOPICALLY ORGANIZED MECHANOSENSORY NEURONS THAT ELICIT GROOMING OF THE HEAD	14:00 - 14:00
<i>Speaker:</i> Andrew Seeds (Puerto Rico)		
PS02-26PM-583	AN INTERNEURON LINEAGE COMPRISING SOMATOTOPICALLY ORGANIZED SUBPOPULATIONS THAT ELICIT GROOMING OF DIFFERENT LOCATIONS ON THE HEAD	14:00 - 14:00
<i>Speaker:</i> Stefanie Hampel (United States)		
PS02-26PM-584	CEREBROSPINAL FLUID-CONTACTING NEURONES ARE FUNCTIONALLY CONNECTED TO CARDINAL MOTOR INTERNEURONS IN THE MICE SPINAL CORD	14:00 - 14:00
<i>Speaker:</i> Edith Blasco (France)		
PS02-26PM-585	STUDYING THE FUNCTION OF LONG-RANGE PROJECTING VIP-EXPRESSING NEURONS IN THE FACIAL MOTOR NUCLEUS	14:00 - 14:00
<i>Speaker:</i> Nima Raman (Canada)		
PS02-26PM-586	THE INFLUENCE OF LOCOMOTION ON VISUAL TUNING OF NEURONS IN THE SUPERFICIAL SUPERIOR COLLICULUS OF MICE	14:00 - 14:00
<i>Speaker:</i> Maria Cozan (United Kingdom)		
PS02-26PM-587	THE TRANSCRIPTOMIC LANDSCAPE OF SPINAL V1 INTERNEURONS IMPLICATES A SPECIFIC MOLECULAR SUBSET IN THE CONTROL OF LOCOMOTOR SPEED	14:00 - 14:00

Speaker: Alexandra Trevisan (United States)

PS02-26PM-588 **THE RELATIONSHIP BETWEEN CEREBRAL AND CEREBELLAR ACTIVITY CHANGES FROM PREPARATION TO MOTOR EXECUTION** 14:00 - 14:00

Speaker: Vincenzo Romano (Netherlands)

PS02-26PM-589 **NON-CANONICAL ADRENERGIC NEUROMODULATION OF MOTONEURON INTRINSIC EXCITABILITY THROUGH B-RECEPTORS IN WILD-TYPE AND SOD1 (G93A) MICE** 14:00 - 14:00

Speaker: Guillaume Caron (France)

PS02-26PM-590 **IA INPUTS ARE UNCOUPLED FROM ACTIVITY-DEPENDENT INTRACELLULAR SIGNALING IN MOTONEURONS FROM SOD1 MICE** 14:00 - 14:00

Speaker: Kamil Grycz (France)

PS02-26PM-591 **TENM4 AS A POTENTIAL COMPONENT OF TETHERS REQUIRED FOR TOUCH SENSATION** 14:00 - 14:00

Speaker: Letizia Dalmasso (Germany)

PS02-26PM-592 **PROB13 AND PROD20: UNDERSTANDING THE ROLE OF TWO POTENTIAL NOVEL RETINAL AMACRINE CELL TYPES** 14:00 - 14:00

Speaker: Victor Calbiague-Garcia (France)

PS02-26PM-593 **RATDISCO, AN OPTICAL CLEARING AND IMMUNOLABELLING PIPELINE FOR LARGE RAT (AND MICE) TISSUE** 14:00 - 14:00

Speaker: Cristina Martinez Gonzalez (United Kingdom)

PS02-26PM-594 **EXPLORING THE NEURAL TRANSCRIPTOMIC ENVIRONMENT OF TLR7-ACTIVATED NEUROINFLAMMATION** 14:00 - 14:00

Speaker: Kirstyn Gardner-Stephen (United Kingdom)

PS02-26PM-595 **CHARACTERIZATION OF TRANSCRANIAL FOCUSED ULTRASOUND STIMULATION USING CALCIUM IMAGING WITH FIBER PHOTOMETRY IN MICE** 14:00 - 14:00

Speaker: Zahraa Jishi (France)

PS02-26PM-596 **DISSECTION OF A NEURONAL INTEGRATOR CIRCUIT THROUGH CORRELATED LIGHT AND ELECTRON MICROSCOPY IN LARVAL ZEBRAFISH. PART 1: FUNCTIONAL IMAGING AND ULTRASTRUCTURE IN THE SAME ANIMAL** 14:00 - 14:00

Speaker: Jonathan Boulanger-Weill (United States)

PS02-26PM-597 **CLEARFINDER: A PYTHON GUI FOR ANNOTATING CELLS IN CLEARED MOUSE BRAIN** 14:00 - 14:00

Speaker: Margarita Tevosian (Germany)

PS02-26PM-598 **ON THE LIMITS OF VISUAL CORTICAL PROSTHESIS RESOLUTION** 14:00 - 14:00

Speaker: Juan Fuentes (Spain)

PS02-26PM-599 **WHOLE-BRAIN MAPPING AND BEHAVIOURAL ASSESSMENTS OF THE EFFECT OF DIFFERENT DOSES OF LSD IN MICE** 14:00 - 14:00

Speaker: Daniela Domingues (France)

PS02-26PM-600 **LERIGLITAZONE IMPROVES ANXIETY BEHAVIOR AND LOCOMOTION IN A MOUSE MODEL OF TYPE 2 SPASTIC PARAPLEGIA** 14:00 - 14:00

Speaker: Anna Vilalta (Spain)

PS02-26PM-601 **BASOLATERAL AMYGDALA PARVALBUMIN AND CHOLECYSTOKININ-EXPRESSING GABAERGIC NEURONS MODULATE DEPRESSIVE AND ANXIETY-LIKE BEHAVIORS** 14:00 - 14:00

Speaker: Muhammad Asim (Hong Kong)

PS02-26PM-602 **RODENT PROPIONIC ACID MODEL OF AUTISM: EMOTIONAL AND** 14:00 - 14:00

ULTRASTRUCTURAL CHANGES IN RAT AMYGDALA*Speaker:* Pikria Khomasuridze (Georgia)

PS02-26PM-603 **NEW DATA IN AN ANIMAL MODEL FOR SCHIZOPHRENIA: KETAMINE-INDUCED LOCOMOTOR ACTIVITY AND REPETITIVE BEHAVIOURAL RESPONSES ARE HIGHER AFTER NEONATAL FUNCTIONAL BLOCKADE OF THE PREFRONTAL CORTEX** 14:00 - 14:00

Speaker: Alain Louilot (France)

PS02-26PM-604 **HAPPY BRAIN - HAPPY BACTERIA? THE EFFECT OF ELECTROCONVULSIVE THERAPY ON GUT BACTERIA** 14:00 - 14:00

Speaker: Else Schneider (Switzerland)

PS02-26PM-605 **PDE5A UPREGULATION IN BIPOLAR DISORDER: INSIGHTS FROM SINGLE-NUCLEUS RNA SEQUENCING OF HUMAN BASAL GANGLIA** 14:00 - 14:00

Speaker: Linya You (China)

PS02-26PM-606 **INTRACISTERNAL RAD-IGF1 REDUCES ANXIETY-LIKE BEHAVIOR IN A RAT MODEL OF NEUROTOXICITY INDUCED BY 6-OHDA** 14:00 - 14:00

Speaker: Leandro Champarini (Argentina)

PS02-26PM-607 **TDCS TREATMENT IMPROVES PSYCHOPATHOLOGICAL SYMPTOMS IN ADOLESCENTS WITH ANOREXIA NERVOSA: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY** 14:00 - 14:00

Speaker: Floriana Costanzo (Italy)

PS02-26PM-608 **BINGE EATING DISORDER AND EXCESSIVE SUCROSE INTAKE: NEUROINFLAMMATORY AND COGNITIVE CONSEQUENCES IN RATS** 14:00 - 14:00

Speaker: Cécile Hildenbrand (France)

PS02-26PM-609 **PSYCHOPHYSIOLOGICAL BIOMARKERS TO ASSESS THE EFFECTIVENESS OF SURFACE EMG BIOFEEDBACK AS AN ALTERNATIVE THERAPY TO REDUCE CHRONIC LOW BACK PAIN** 14:00 - 14:00

Speaker: Sadaf Ahmed (Pakistan)

PS02-26PM-610 **THE ANTIDEPRESSANT EFFECT OF BIFIDOBACTERIUM ADOLESCENTIS NGB329 POSTBIOTIC IN RAT MODEL OF DEPRESSION** 14:00 - 14:00

Speaker: Nevena Todorović Vukotić (Serbia)

PS02-26PM-611 **THE CENTRAL ROLE OF HYPOTHALAMIC CIRCUITS FOR ANTI-PARKINSONIAN EFFECTS OF ACUPUNCTURE** 14:00 - 14:00

Speaker: Ju-Young Oh (Korea, Republic of)

PS02-26PM-612 **AN ACTIVATOR OF VOLTAGE-GATED K⁺ CHANNELS KV1.1 AS A THERAPEUTIC CANDIDATE FOR EPISODIC ATAXIA TYPE 1** 14:00 - 14:00

Speaker: Mauro Pessia (United Arab Emirates)

PS02-26PM-613 **THE ROLE OF LIFETIME PHYSICAL ACTIVITY ON PARKINSON'S SYMPTOMS SEVERITY - REVENGE OF THE COUCH POTATO?** 14:00 - 14:00

Speaker: Elena Guerra (Germany)

PS02-26PM-614 **EXPLORING THE EFFECTS OF PSILOCYBIN AND KETAMINE (NOVEL ANTIDEPRESSANTS) ON THE ELECTROENCEPHALOGRAM (EEG) OF C57BL/6 MICE: A COMPARATIVE ANALYSIS** 14:00 - 14:00

Speaker: Małgorzata Domzalska (Poland)

PS02-26PM-615 **AUDITORY CORTEX ACTIVITY DURING SOUND MEMORY RETENTION IN AN AUDITORY WORKING MEMORY TASK** 14:00 - 14:00

Speaker: Elena Kudryavitskaya (France)

PS02-26PM-616 **DEEP CORTICAL LAYERS ENCODE SUSTAINED CHANGES IN LIGHT CONDITIONS IN FREELY MOVING MICE** 14:00 - 14:00

Speaker: Adam Sugi (Germany)

PS02-26PM-617 **AUDITORY CORTEX CONTROL OF VOCALIZATION** 14:00 - 14:00

Speaker: Miguel Alejandro Concha-Miranda (Germany)

PS02-26PM-618 **VISUO-MOTOR SEQUENTIAL PREDICTIONS GUIDING THE REPRESENTATION OF VISUAL OBJECTS** 14:00 - 14:00

Speaker: Anastasia Dimakou (Italy)

PS02-26PM-619 **DECODING SPATIOTEMPORAL PROCESSING OF SPEECH AND MELODY IN THE BRAIN** 14:00 - 14:00

Speaker: Akanksha Gupta (France)

PS02-26PM-620 **REGION SPECIFIC MORPHOLOGICAL DEFICITS OF HIPPOCAMPAL NEURONS AFTER POSTNATALLY INDUCED REELIN DEFICIENCY** 14:00 - 14:00

Speaker: Eckart Förster (Germany)

PS02-26PM-621 **OLIGODENDROGLIAL ADAM10, A SUBTLE REGULATOR OF OLIGODENDROCYTE DEVELOPMENT AND MYELIN MAINTENANCE** 14:00 - 14:00

Speaker: Mathis Lavaud (France)

PS02-26PM-622 **REPRODUCTION, GENE EXPRESSION, AND LOCOMOTOR ACTIVITY IN SYRIAN HAMSTERS: IMPACT OF DIFFERENT *HYPERICUM PERFORATUM* L. DOSES** 14:00 - 14:00

Speaker: Berrak Damla Yağan (Turkey)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Pain Perception and Management

PS02-26PM-509 **VISUAL FEEDBACK MANIPULATION IN VIRTUAL REALITY ALTERS MOVEMENT-EVOKED PAIN PERCEPTION IN CHRONIC LOW BACK PAIN** 14:00 - 14:00

Speaker: Jaime Jordán López (Spain)

PS02-26PM-510 **EFFECTS OF A PREHABILITATION PROGRAMME BASED ON PAIN NEUROSCIENCE EDUCATION IN PATIENTS SCHEDULED FOR LUMBAR RADICULOPATHY SURGERY** 14:00 - 14:00

Speaker: María Dolores Arguisuelas (Spain)

PS02-26PM-511 **EFFECTS OF AN ONLINE INTERVENTION BASED ON PAIN NEUROSCIENCE EDUCATION FOR PREGNANT WOMEN WITH LUMBAR PAIN ON PAIN, DISABILITY, AND KINESIOPHOBIA: A QUASI-EXPERIMENTAL PILOT STUDY** 14:00 - 14:00

Speaker: Celia García Lucas (Spain)

PS02-26PM-512 **FORMING AND UPDATING PAIN EXPECTATIONS: INFLUENCE OF SEQUENCE VOLATILITY AND TEST-RETEST RELIABILITY** 14:00 - 14:00

Speaker: Arthur Courtin (Denmark)

PS02-26PM-513 **NALTREXONE AFFECTS BOTH FIRSTHAND AND EMPATHIC PAIN - A PHARMACOLOGICAL WITHIN-SUBJECTS STUDY** 14:00 - 14:00

Speaker: Julia T. Braunstein (Austria)

PS02-26PM-514 **THE POPULATION CODING OF TEMPERATURE AND PAIN IN THE HEALTHY HUMAN BRAIN** 14:00 - 14:00

Speaker: Alexandra Mitchell (Denmark)

PS02-26PM-515 **REDUCTION OF INTER-INDIVIDUAL VARIANCE IN FUNCTIONAL MAGNETIC RESONANCE IMAGING IMPROVES THE PREDICTION OF INDIVIDUAL PAIN RATINGS** 14:00 - 14:00

Speaker: Ole Goltermann (Germany)

PS02-26PM-516	THE IMPACT OF VIRTUAL REALITY ON POSTOPERATIVE COGNITIVE IMPAIRMENT AND PAIN PERCEPTION AFTER SURGERY	14:00 - 14:00
<i>Speaker:</i> Andrada-Georgiana Badea (Romania)		
PS02-26PM-517	EXPOSURE TO VIRTUAL NATURE DECREASES NEURAL NOCICEPTIVE PROCESSING AND SELF-REPORTED RATINGS DURING ACUTE PAIN	14:00 - 14:00
<i>Speaker:</i> Maximilian Steininger (Austria)		
PS02-26PM-518	AN ATTEMPT TO ELUCIDATE HOW PEOPLE PERCEIVE SELF-LOCATION	14:00 - 14:00
<i>Speaker:</i> Ai Souma (Japan)		
PS02-26PM-519	UNCERTAINTY IN THERMOSENSORY EXPECTATIONS ENHANCES AN ILLUSION OF PAIN	14:00 - 14:00
<i>Speaker:</i> Jesper Ehmsen (Denmark)		
PS02-26PM-520	EXPECTING PAIN: NEUROPHYSIOLOGICAL CORRELATES OF PAIN ANTICIPATION IN THE MOTOR SYSTEM	14:00 - 14:00
<i>Speaker:</i> Daniela Dalbagno (Italy)		
PS02-26PM-521	CHRONIC LOW-BACK PAIN ANALYSIS AND DIAGNOSTIC THROUGH A STATE-OF-THE-ART IN-HOUSE DEVELOPED SYSTEM	14:00 - 14:00
<i>Speaker:</i> Mayra Lopez (Mexico)		
PS02-26PM-522	MODELING PAIN SENSITIVITY IN HEALTHY INDIVIDUALS: THE INFLUENCE OF EMOTIONAL TRAITS AND RESILIENCE	14:00 - 14:00
<i>Speaker:</i> Ombretta Caspani (Germany)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Alpha-Synuclein and Parkinson's Disease		
PS02-26PM-459	EFFECTS OF ALPHA-SYNUCLEIN ON DOPAMINE AND SEROTONIN TRANSPORTERS	14:00 - 14:00
<i>Speaker:</i> Iina Ludwig (Austria)		
PS02-26PM-460	NOVEL VIRAL VECTORS FOR CELL-TYPE SPECIFIC OVEREXPRESSION OF ALPHA-SYNUCLEIN	14:00 - 14:00
<i>Speaker:</i> Sofía Inés García Moreno (Austria)		
PS02-26PM-461	TRANSIENT DOPAMINE DEPLETION INCREASES VESICULAR GLUTAMATE TRANSPORTER (VGLUT2) EXPRESSION IN MIDBRAIN DOPAMINE NEURONS - IMPLICATIONS FOR PARKINSON'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Sivakumar Srinivasan (Austria)		
PS02-26PM-462	INVESTIGATING GUT-MICROBE INTERACTIONS AND EPITHELIAL A-SYNUCLEIN THROUGH HUMAN ENTEROID MONOLAYERS AND IMAGING FLOW CYTOMETRY OF ENTEROENDOCRINE CELLS IN VITRO	14:00 - 14:00
<i>Speaker:</i> Anastazja Gorecki (Australia)		
PS02-26PM-463	NF-κB-MEDIATED TOLERANT PHENOTYPE IN MICROGLIA: IMPLICATIONS FOR PARKINSON'S DISEASE DOPAMINERGIC NEURODEGENERATION	14:00 - 14:00
<i>Speaker:</i> Irina Freitag (Spain)		
PS02-26PM-464	CALCIUM RELEASED BY DYING NEURONS MEDIATES IBA-1 DEPENDENT POLARIZATION OF MICROGLIAL CELLS IN PARKINSONIAN NEURODEGENERATION	14:00 - 14:00
<i>Speaker:</i> Meritxell Roig Martínez (Spain)		
PS02-26PM-465	AAV-MEDIATED OVEREXPRESSION OF WILD-TYPE HUMAN	14:00 - 14:00

**ALPHA-SYNUCLEIN LEADS TO ALTERATIONS IN GUT
MICROBIOTA IN A 'BRAIN-FIRST' RAT MODEL OF PRODROMAL
PARKINSON'S DISEASE**

Speaker: Joan Osayande (Ireland)

PS02-26PM-466 **EFFECT OF ALPHA-SYNUCLEIN ON THE EXPRESSION OF GENES
ENCODED IN MITOCHONDRIAL DNA** 14:00 - 14:00

Speaker: Bilge Nur Bilge (Turkey)

PS02-26PM-467 **AMYLOID BETA 1-42 AND ALPHA-SYNUCLEIN PROTEINS:
EFFECTS ON TRANSCRIPTION FACTOR EXPRESSION** 14:00 - 14:00

Speaker: Pelin Sordu (Turkey)

PS02-26PM-468 **INTERACTIONS BETWEEN AMYLOID BETA 1-42 AND NUCLEAR
TRANSCRIPTION FACTORS IN MITOCHONDRIA** 14:00 - 14:00

Speaker: Zuhale Yurttas (Turkey)

PS02-26PM-469 **TEMPORAL EVOLUTION OF GLIAL CELL PHENOTYPE IN THE
MIDBRAIN AND STRIATUM OF A53TALPHA-SYNUCLEIN
TRANSGENIC MICE: NEW DISEASE RELATED MECHANISMS?** 14:00 - 14:00

Speaker: Michele Tufano (Italy)

PS02-26PM-470 **NEUROTOXIC EFFECT OF VIRAL RNA-MIMETIC AND ALPHA-
SYNUCLEIN IN NEURONAL-GLIA CO-CULTURES** 14:00 - 14:00

Speaker: Silvija Jankeviciute (Lithuania)

PS02-26PM-471 **OVEREXPRESSION-INDUCED NUCLEAR ALPHA-SYNUCLEIN
ACCUMULATION** 14:00 - 14:00

Speaker: Angela Rollar (Germany)

PS02-26PM-472 **ULTRASENSITIVE IMMUNOASSAYS REVEAL NOVEL INSIGHTS
INTO ALPHA-SYNUCLEIN PHOSPHORYLATION AND
SUBCELLULAR DISTRIBUTION IN PFF-INOCULATED WILD-TYPE
MICE** 14:00 - 14:00

Speaker: Benjamin Trist (Australia)

PS02-26PM-473 **A-SYNUCLEIN PROPAGATION LEADS TO SYNAPTIC
ABNORMALITIES IN THE CORTEX THROUGH MICROGLIAL
SYNAPSE PHAGOCYTOSIS** 14:00 - 14:00

Speaker: Dayana Perez Acuna (Korea, Republic of)

PS02-26PM-474 **THE PERINEURONAL NET AS A NEUROPROTECTIVE FACTOR IN
PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Stuart Dickens (United Kingdom)

PS02-26PM-475 **MIR-302 INDUCED BY GLUCAGON-LIKE PEPTIDE-1 (GLP-1)
SIGNALING REDUCES THE A-SYNUCLEIN NEUROTOXICITY
LINKED TO DEMENTIA WITH LEWY BODIES (DLB)** 14:00 - 14:00

Speaker: Chih-Li Lin (Taiwan)

PS02-26PM-476 **DIFFERENCES IN THE SYNAPTIC FUNCTION OF HUMAN AND
MURINE ALPHA-SYNUCLEIN** 14:00 - 14:00

Speaker: Jen Riba (Israel)

PS02-26PM-477 **GLYCOSYLATION OF SYNAPTIC VESICLE GLYCOPROTEIN 2C
(SV2C) IN CELLULAR TRAFFICKING: IMPACT ON PARKINSON'S
DISEASE** 14:00 - 14:00

Speaker: Png Wen Yang (Singapore)

PS02-26PM-478 **IL-13RA1 AND PARKINSON'S DISEASE: INVESTIGATING
PATHOLOGICAL CONNECTIONS** 14:00 - 14:00

Speaker: Jeongyeob Baek (Korea, Republic of)

PS02-26PM-479 **ALPHA-SYNUCLEIN INDUCED IMMUNE RESPONSE TRIGGERS
PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Nathalie Dehorter (Australia)

PS02-26PM-480	DOSE-DEPENDENT EFFECT OF ALPHA-SYNUCLEIN OVEREXPRESSION ON NEURONAL CELLS	14:00 - 14:00
	<i>Speaker:</i> Miraj Ud Din Momand (Slovakia)	
PS02-26PM-481	ACCUMULATION OF PHOSPHO-ALPHA SYNUCLEIN AND OLIGOMERIC TAU IN PRESYNAPSES IN PARKINSON'S DISEASE AND DEMENTIA WITH LEWY BODIES	14:00 - 14:00
	<i>Speaker:</i> Elizabeth Simzer (United Kingdom)	
PS02-26PM-482	THE ROLE OF EEF1A PROTEINS AT SYNAPSES AND IN SYNUCLEINOPATHY	14:00 - 14:00
	<i>Speaker:</i> Sarka Jelinkova (France)	
PS02-26PM-483	GUT BACTERIAL TOXIN FURTHER ENHANCES BLOOD-BRAIN BARRIER ALTERATIONS IN A PROGRESSIVE MOUSE MODEL OF PARKINSON'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Kristina Lau (Germany)	
PS02-26PM-484	CORTICOSTRIATAL OVERACTIVITY AND ALPHA-SYNUCLEIN OVEREXPRESSION PRODUCE STRIATAL ASTROCYTOSIS IN MICE	14:00 - 14:00
	<i>Speaker:</i> Miryam Moreno-Gómez (Spain)	
PS02-26PM-485	GLUCOCORTICOID RECEPTORS IN ASTROCYTES REGULATE ALPHA-SYNUCLEIN PATHOLOGICAL ACTIONS IMPACTING MOTOR AND NON-MOTOR SYMPTOMOLOGY OF PARKINSON'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Chaperon Agnès (France)	
PS02-26PM-486	MICROGLIA RESCUE NEURONS FROM AGGREGATE-INDUCED NEURONAL DYSFUNCTION AND DEATH THROUGH TUNNELING NANOTUBES	14:00 - 14:00
	<i>Speaker:</i> Hannah Scheiblich (Germany)	
PS02-26PM-487	PARTNERS IN CRIME: ALPHA-SYNUCLEIN AND TAU CO-AGGREGATION IMPAIRS MICROGLIAL FUNCTION DURING PARKINSON'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Frederik Eikens (Germany)	
PS02-26PM-488	SYNERGISTIC EFFECTS OF A-SYNUCLEIN, TAU, AND AMYLOID PATHOLOGY ON MITOPHAGY IN DEMENTIA WITH LEWY BODIES	14:00 - 14:00
	<i>Speaker:</i> Wolfdieter Springer (United States)	
PS02-26PM-489	EXTRACELLULAR VESICLES AND TRANSMISSION OF A-SYNUCLEIN PATHOLOGY: FROM CELLULAR MODELS TO DIAGNOSTIC APPLICATIONS	14:00 - 14:00
	<i>Speaker:</i> Diana Mjartinová (Slovakia)	
PS02-26PM-490	UNVEILING ASTROCYTE DYNAMICS IN PARKINSON'S DISEASE: INSIGHTS FROM SINGLE-NUCLEUS PROFILING ACROSS BRAIN REGIONS	14:00 - 14:00
	<i>Speaker:</i> Archana Yadav (United States)	
PS02-26PM-491	HYPOXIA AS POTENTIAL REGULATOR OF INFLAMMATION IN PARKINSON'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Rebecca Kotzur (Germany)	
PS02-26PM-492	AUTOPHAGY MODULATION OF GLIAL NEUROINFLAMMATORY RESPONSES IN PARKINSON'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Shiza Shaikh (United Kingdom)	
PS02-26PM-493	ENDOGENOUS ALPHA-SYNUCLEIN IS ESSENTIAL FOR THE TRANSFER OF PATHOLOGY BY EXOSOME-ENRICHED EXTRACELLULAR VESICLES, FOLLOWING INOCULATION WITH PREFORMED FIBRILS <i>IN VIVO</i>	14:00 - 14:00
	<i>Speaker:</i> Katerina Melachroinou (Greece)	

PS02-26PM-494	OLIGOMERIC ALPHA-SYNUCLEIN CAUSES EARLY STRIATAL SYNAPTIC DYSFUNCTION ASSOCIATED WITH NON-MOTOR SYMPTOMS	14:00 - 14:00
<i>Speaker:</i> Alessandro Tozzi (Italy)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Motor Cortex Dynamics		
PS02-26PM-442	DYNAMICS OF INTRINSIC TIMESCALES ACROSS CORTICAL LAYERS IN THE MACAQUE MOTOR AND PREMOTOR CORTEX	14:00 - 14:00
<i>Speaker:</i> Nilanjana Nandi (France)		
PS02-26PM-443	THE VARIABILITY OF SPECTRO-LAMINAR BETA RHYTHM PATTERNS IN MACAQUE MOTOR CORTEX REFLECTS TASK AND BEHAVIORAL PARAMETERS	14:00 - 14:00
<i>Speaker:</i> Laura López-Galdo (France)		
PS02-26PM-444	LOCAL FIELD POTENTIALS IN MACAQUE PREMOTOR CORTEX ENCODE THE STRENGTH OF INTER-INDIVIDUAL MOTOR COORDINATION DURING TO JOINT ACTION	14:00 - 14:00
<i>Speaker:</i> Stefano Grasso (Italy)		
PS02-26PM-445	JOINT ACTION AWARENESS DURING VIDEO-GAMING IN MACAQUES	14:00 - 14:00
<i>Speaker:</i> Virginia Papagni (Italy)		
PS02-26PM-446	EVIDENCE OF DYNAMIC TOP-DOWN INFLUENCES IN THE PARIETO- MOTOR NETWORK DURING VISUOMOTOR BEHAVIOR	14:00 - 14:00
<i>Speaker:</i> Georgios Bardanikas (France)		
PS02-26PM-447	THE MEDIAL SECONDARY MOTOR CORTEX INFLUENCES LEARNING	14:00 - 14:00
<i>Speaker:</i> Ann-Sofie Bjerre (Australia)		
PS02-26PM-448	LARGE-SCALE CORTICAL REORGANIZATION IN THE PREMOTOR-PARIETAL CONNECTIONS OF A MACAQUE MODEL WITH PRIMARY MOTOR CORTICAL LESION AND RECOVERY	14:00 - 14:00
<i>Speaker:</i> Tatsuya Yamamoto (Japan)		
PS02-26PM-450	PLANNING HORIZON IN MOTOR CORTEX DURING SKILL LEARNING IN MACAQUE MONKEYS	14:00 - 14:00
<i>Speaker:</i> Nicolas Meirhaeghe (France)		
PS02-26PM-451	THE ORDER AND TIMING OF II/III LAYER ACTIVATION DETERMINE THE MAGNITUDE AND DIRECTION OF THE PLASTIC CHANGES IN LAYER V OF THE PRIMARY MOTOR CORTEX	14:00 - 14:00
<i>Speaker:</i> Pablo Azón (Spain)		
PS02-26PM-452	THE LEFT PRIMARY MOTOR CORTEX AND CEREBELLAR VERMIS ARE CRITICAL HUBS IN BIMANUAL SEQUENTIAL LEARNING	14:00 - 14:00
<i>Speaker:</i> Yuki Hamano (Japan)		
PS02-26PM-453	HAND PREFERENCE SWITCHING WITH INTRA- AND INTER-HEMISPHERIC CHOLINERGIC MODULATION	14:00 - 14:00
<i>Speaker:</i> Kazuki Okamoto (Japan)		
PS02-26PM-454	WIDESPREAD MOTOR-CORRELATED ACTIVITY IN THE PRIMARY SOMATOSENSORY AND MOTOR CORTICES	14:00 - 14:00
<i>Speaker:</i> Ieva Kerševičiūtė (Lithuania)		
PS02-26PM-455	RELATIONSHIP BETWEEN EXCITATORY AND INHIBITORY INDICES AND THE MIRROR NEURON SYSTEM USING TRANSCRANIAL MAGNETIC STIMULATION	14:00 - 14:00
<i>Speaker:</i> Madina Imanaeva (Russian Federation)		

PS02-26PM-456	BLURRING THE LINE BETWEEN IMAGINATION AND REALITY: MOTOR IMAGERY INFLUENCES PERFORMANCE OF LINKED MOVEMENTS	14:00 - 14:00
<i>Speaker:</i> Magdalena Gippert (Germany)		
PS02-26PM-457	MAPPING INFORMATION FLOW BETWEEN STRIATUM AND MOTOR CORTEX DURING SKILL LEARNING	14:00 - 14:00
<i>Speaker:</i> Marco Celotto (Italy)		
PS02-26PM-458	HOW DOES MOTOR EXPERTISE SHAPE THE BRAIN ACTIVITY?	14:00 - 14:00
<i>Speaker:</i> Clémence BONNET (France)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Rett Syndrome and related Research		
PS02-26PM-566	INVESTIGATION OF PROTEIN REPLACEMENT THERAPY FOR RETT SYNDROME USING DIRECTLY REPROGRAMMED NEURONS	14:00 - 14:00
<i>Speaker:</i> Hannes Steinkellner (Austria)		
PS02-26PM-567	THE USE OF A SHORTENED MECP2 PROTEIN CONSTRUCT IN RETT SYNDROME PROTEIN REPLACEMENT THERAPY	14:00 - 14:00
<i>Speaker:</i> Alexander Beribisky (Austria)		
PS02-26PM-568	IN VITRO ANALYSIS OF MITOCHONDRIAL ABNORMALITIES AND OXINFLAMMATORY MECHANISMS INVOLVED IN RETT SYNDROME	14:00 - 14:00
<i>Speaker:</i> Gabriele Baj (Italy)		
PS02-26PM-569	IN VITRO RETT SYNDROME MODEL BASED ON MECP2 KNOCKDOWN IN IPSC-DERIVED NEURONS	14:00 - 14:00
<i>Speaker:</i> Rie Yamoto (Japan)		
PS02-26PM-570	IN-SILICO PREDICTION OF NOVEL TARGETS FOR MIRTAZAPINE IN RETT SYNDROME	14:00 - 14:00
<i>Speaker:</i> Vittoria Berutto (Italy)		
PS02-26PM-571	GPR50-MEDIATED MITOPHAGY IN THE PATHOGENESIS OF AUTISM SPECTRUM DISORDERS	14:00 - 14:00
<i>Speaker:</i> Quan-Hong Ma (China)		
PS02-26PM-572	MPC2 VARIANTS DISRUPT MITOCHONDRIAL PYRUVATE METABOLISM AND CAUSE AN EARLY-ONSET MITOCHONDRIOPATHY	14:00 - 14:00
<i>Speaker:</i> Claire Pujol (France)		
PS02-26PM-573	THE MODULATION OF P75 NEUROTROPHIN RECEPTOR REDUCES OXIDATIVE STRESS AND INFLAMMATION IN A CELLULAR MODEL OF RETT SYNDROME	14:00 - 14:00
<i>Speaker:</i> Michela Varone (Italy)		
PS02-26PM-574	EXPLORING THE POTENTIAL OF READTHROUGH DRUGS ON MMACHC NONSENSE MUTATION R132* RESPONSIBLE FOR COBALAMIN C DEFECT	14:00 - 14:00
<i>Speaker:</i> Gursimran Kaur (India)		
PS02-26PM-575	THE INTRINSIC PROPERTIES OF SOMATOSTATIN INTERNEURONS IN A MECP2-DEFICIENT MOUSE MODEL OF RETT SYNDROME	14:00 - 14:00
<i>Speaker:</i> Abinayah John (United Kingdom)		

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Speech and Auditory Processing

- PS02-26PM-495 **ATTENTIONAL MODULATION OF THE CORTICAL CONTRIBUTION TO THE FREQUENCY-FOLLOWING RESPONSE EVOKED BY CONTINUOUS SPEECH** 14:00 - 14:00
Speaker: Alina Schüller (Germany)
- PS02-26PM-496 **THE CORTICAL FREQUENCY-FOLLOWING RESPONSE TO CONTINUOUS SPEECH IN MUSICIANS AND NON-MUSICIANS** 14:00 - 14:00
Speaker: Jasmin Riegel (Germany)
- PS02-26PM-497 **DECODING OF SELECTIVE ATTENTION TO SPEECH IN CI PATIENTS USING LINEAR AND NON-LINEAR METHODS** 14:00 - 14:00
Speaker: Constantin Jehn (Germany)
- PS02-26PM-498 **DECODING ENVELOPE AND FREQUENCY-FOLLOWING RESPONSES TO SPEECH USING DEEP NEURAL NETWORKS** 14:00 - 14:00
Speaker: Michael Thornton (United Kingdom)
- PS02-26PM-499 **EEG-BASED SOURCE ANALYSIS OF THE NEURAL RESPONSE AT THE FUNDAMENTAL FREQUENCY OF SPEECH** 14:00 - 14:00
Speaker: Jonas Auernheimer (Germany)
- PS02-26PM-500 **THE PROCESSING OF SPATIAL FREQUENCIES THROUGH TIME IN VISUAL WORD RECOGNITION** 14:00 - 14:00
Speaker: Clémence Bertrand Pilon (Canada)
- PS02-26PM-501 **NEURAL CORRELATES OF INDIVIDUAL DIFFERENCES IN MUSIC PREFERENCES** 14:00 - 14:00
Speaker: Chiyu Maeda (Japan)
- PS02-26PM-502 **ACCELERATING EEG PROCESSING WITH SUPERCOMPUTERS: A CASE ON INDEPENDENT COMPONENT ANALYSIS** 14:00 - 14:00
Speaker: Zeyu Wang (Hungary)
- PS02-26PM-503 **CAN AUDITORY SELF-RELATED STIMULI MAKE CHANGES IN HEMODYNAMIC RESPONSE IN FRONTAL CORTEX: A PRELIMINARY FNIRS STUDY** 14:00 - 14:00
Speaker: Merve Alokten (Turkey)
- PS02-26PM-504 **NEURAL DYNAMICS UNDERLYING HUMAN VOCALIZATION** 14:00 - 14:00
Speaker: Vera A. Voigtlaender (Germany)
- PS02-26PM-505 **ROBUST ASSESSMENT OF THE NEURAL ENCODING OF LEXICAL INFORMATION USING THE TEMPORAL RESPONSE FUNCTION** 14:00 - 14:00
Speaker: Amirhossein Chalehchaleh (Ireland)
- PS02-26PM-506 **BRAIN-RHYTHM-BASED INFERENCE (BRYBI) FOR TIME-SCALE INVARIANT SPEECH PROCESSING** 14:00 - 14:00
Speaker: Olesia Dogonashcheva (France)
- PS02-26PM-507 **IS PHONETIC LEARNING WITH PEERS MORE EFFICIENT THAN LEARNING INDIVIDUALLY? AN INVESTIGATION OF BEHAVIORAL PERFORMANCE AND ELECTRICAL BRAIN ACTIVITY** 14:00 - 14:00
Speaker: Xueqiao Li (Finland)
- PS02-26PM-508 **DIFFERENTIAL BRAIN PROCESSES OF NEWLY-LEARNED AND OVERLEARNED AUDIOVISUAL ASSOCIATIONS** 14:00 - 14:00
Speaker: Weiyong Xu (Finland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Glial Dynamics in Neuroinflammation

PS02-26PM-288	MICROGLIA ACTIVATION IS ATTENUATED BY DIMETHYL-TRYPTAMINE IN PRIMARY CELL CULTURES	14:00 - 14:00
	<i>Speaker:</i> Istvan Pesti (Hungary)	
PS02-26PM-289	SPREADING DEPOLARIZATION DISRUPTS NEUROVASCULAR COUPLING AFTER EXPERIMENTAL ACUTE ISCHEMIC STROKE	14:00 - 14:00
	<i>Speaker:</i> Armand Rafael Bálint (Hungary)	
PS02-26PM-290	PKC ACTIVATORS ORCHESTRATE NEURONAL IMMUNE MODULATION: UNVEILING MICROGLIAL DYNAMICS IN NF-κB ACTIVATION AND PHAGOCYTOSIS	14:00 - 14:00
	<i>Speaker:</i> Sofia Chanel Weinbender (Austria)	
PS02-26PM-291	MONOAMINERGIC MODULATION OF MICROGLIA IN PHYSIOLOGICAL AND INFLAMMATORY CONDITIONS	14:00 - 14:00
	<i>Speaker:</i> Moritz Brosch (Austria)	
PS02-26PM-292	METABOLIC SHIFT TOWARDS PENTOSE-PHOSPHATE-PATHWAY SUSTAINS NOX ACTIVITY IN PRO-INFLAMMATORY MICROGLIA	14:00 - 14:00
	<i>Speaker:</i> Nathan Strogulski (Ireland)	
PS02-26PM-293	TEMPORAL ANALYSIS OF THE INFILTRATION DYNAMICS OF PRO-INFLAMMATORY CYTOKINE-PRODUCING INNATE AND ADAPTIVE IMMUNE CELLS FOLLOWING EXPERIMENTAL TRAUMATIC BRAIN INJURY IN MICE	14:00 - 14:00
	<i>Speaker:</i> Sahil Threja (Ireland)	
PS02-26PM-294	INHIBITION OF PI3K/AKT/MTOR PATHWAY MODULATES LPS-INDUCED METABOLIC CHANGES IN MICROGLIA	14:00 - 14:00
	<i>Speaker:</i> Katarina Milosevic (Serbia)	
PS02-26PM-295	AGMATINE DOWNREGULATES LPS-PROMOTED GLYCOLYSIS IN MICROGLIAL CELLS	14:00 - 14:00
	<i>Speaker:</i> Danijela Savic (Serbia)	
PS02-26PM-296	THE PRO-RESOLVING EFFECT OF NEW FPR2 AGONIST ON THE EVOKED BY BACTERIAL ENDOTOXIN CHANGES IN MICROGLIA ISOLATED FROM ADULT APP^{NL-F/NL-F} MICE BRAINS	14:00 - 14:00
	<i>Speaker:</i> Ewa Trojan (Poland)	
PS02-26PM-297	EXPLORING MORIN HYDRATE'S KEY ROLE IN LPS-INDUCED IMMUNE RESPONSE AND CELLULAR MOTILITY IN MACROPHAGES	14:00 - 14:00
	<i>Speaker:</i> Chih-Hsuan Hsia (Taiwan)	
PS02-26PM-298	CHEMOTHERAPY ALTERS THE KOLMER CELL OF THE CHOROID PLEXUS	14:00 - 14:00
	<i>Speaker:</i> Parisa EmamiAref (Czech Republic)	
PS02-26PM-299	ANTI-INFLAMMATORY EFFECT OF ALPHA-PINENE ON THE NEUROINFLAMMATION INDUCED BY MORPHINE DEPENDENCE AND WITHDRAWAL IS MEDIATED BY MODULATING TOLL-LIKE RECEPTOR SIGNALING PATHWAY	14:00 - 14:00
	<i>Speaker:</i> Shamseddin Ahmadi (Iran)	
PS02-26PM-300	WHERE AND WHY DO NEUTROPHILS STALL IN RETINAL MICROCIRCULATION: DATA FROM LOW GRADE SYSTEMIC INFLAMMATION MODEL IN THE MOUSE.	14:00 - 14:00
	<i>Speaker:</i> Meftun Doğa Başaran (Turkey)	
PS02-26PM-301	LOSS OF CYCLOOXYGENASE-1 ATTENUATES MICROGLIA REACTIVITY AFTER OPTIC NERVE INJURY	14:00 - 14:00
	<i>Speaker:</i> Florianne Schoot Uiterkamp (Austria)	
PS02-26PM-302	EXPLORING THE IMPACT OF IBRUTINIB ON MICROGLIAL INFLAMMATION IN VITRO	14:00 - 14:00

Speaker: Debanjan Das (Czech Republic)

PS02-26PM-303 **MODULATING THE ASTROCYTE REACTIVITY BY BLOCKING P2X7R AND PANX1 *IN VITRO* - INTERCEPTING THE NEUROINFLAMMATION CHRONICITY DEVELOPMENT** 14:00 - 14:00

Speaker: Marija Adzic Bukvic (Serbia)

PS02-26PM-304 **THE ROLE OF SIGMA-1 RECEPTORS IN NEUROINFLAMMATION USING AN ACUTE SLICE MODEL OF NMDA RECEPTOR HYPOFUNCTION** 14:00 - 14:00

Speaker: Bethany Dennis (United Kingdom)

PS02-26PM-305 **EXPLORING RELATIONSHIPS BETWEEN INFLAMMATORY MEDIATORS AND THE KYNURENINE PATHWAY** 14:00 - 14:00

Speaker: Trevor Stone (United Kingdom)

PS02-26PM-306 **THE IMPACT OF SAUERKRAUT BRINE ON OXIDATIVE STRESS AND INFLAMMATION IN C57BL/6 MICE** 14:00 - 14:00

Speaker: Valentina Simeunovic (Serbia)

PS02-26PM-307 **DUAL INHIBITION OF ECTO-5'-NUCLEOTIDASE (CD73) AND ADENOSINE A_{2A} RECEPTOR REDUCES NEUROINFLAMMATION AND OXIDATIVE STRESS IN TNF, IL1-A, C1Q-INDUCED NEUROTOXIC ASTROCYTES** 14:00 - 14:00

Speaker: Katarina Mihajlović (Serbia)

PS02-26PM-308 **PROPIONIC ACID ACTIVATES ANTI-INFLAMMATORY PROCESSES AND INDUCES ADULT PHENOTYPE CHANGES IN SCHWANN CELLS** 14:00 - 14:00

Speaker: Niklas Rilke (Germany)

PS02-26PM-309 **BREAKING THE CIRCULUS VITIOSUS OF NEUROINFLAMMATION: RESVERATROL ATTENUATES THE HUMAN GLIAL CELL RESPONSE TO CYTOKINES** 14:00 - 14:00

Speaker: Luise Schlotterose (Germany)

PS02-26PM-310 **ROLE OF TLR4 PATHWAY IN THE PREFRONTAL CORTEX FOLLOWING ACUTE AND CHRONIC ADMINISTRATION OF MORPHINE AND ITS WITHDRAWAL SYNDROME** 14:00 - 14:00

Speaker: Victoria Gómez-Murcia (Spain)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Gut Microbiota and Neurobehavior

PS02-26PM-534 **NAVIGATING THE CHALLENGES OF INVESTIGATING THE INFLUENCE OF GESTATIONAL GUT MICROBIOME DISRUPTION AND PERINATAL ASPHYXIA ON NEURODEVELOPMENTAL REFLEXES IN RAT OFFSPRING** 14:00 - 14:00

Speaker: Ana Maria Catrina (Romania)

PS02-26PM-535 **THE MODULATORY EFFECTS OF PROBIOTIC ADMINISTRATION DURING PREGNANCY ON OFFSPRING NEURODEVELOPMENTAL OUTCOMES UNDER PRENATAL STRESS CONDITIONS** 14:00 - 14:00

Speaker: Mara Ionescu (Romania)

PS02-26PM-536 **THE IMPACT OF GESTATIONAL STRESS AND ANTIBIOTICS ON POSTPARTUM MATERNAL BEHAVIOR** 14:00 - 14:00

Speaker: Ioana Dogaru (Romania)

PS02-26PM-537 **THE DEFAULT EEG REACTIVITY TO PHOTIC STIMULATION IS IMPAIRED FOLLOWING GLOBAL CEREBRAL ISCHAEMIA AND REPERFUSION** 14:00 - 14:00

Speaker: Vlad-Petru Morozaan (Romania)

PS02-26PM-538	ASSESSING THE EEG REACTIVITY TO PHOTIC STIMULATION IN THE SEDATED EPILEPTIC BRAIN	14:00 - 14:00
<i>Speaker:</i> Laurentiu Tofan (Romania)		
PS02-26PM-539	FUNCTIONAL MAPPING OF BRAIN PATHWAYS INVOLVED IN THE GUT MICROBIAL MODULATION OF SOCIAL BEHAVIOUR	14:00 - 14:00
<i>Speaker:</i> Melanie Depret (Ireland)		
PS02-26PM-540	CELL TYPE AND SYNAPSE-SPECIFIC DEFINITION OF MEMORY CIRCUITS IN MICROBIOTA-DEFICIENT MICE	14:00 - 14:00
<i>Speaker:</i> Mathieu Thabault (Ireland)		
PS02-26PM-541	ENTORHINAL CORTEX AS A HUB IN THE GUT MICROBIOME-BRAIN AXIS	14:00 - 14:00
<i>Speaker:</i> Joshua Strohl (United States)		
PS02-26PM-542	MICROBIOME DEPLETION ALTERS SPATIAL COGNITION AND HIPPOCAMPAL PLACE CELL ENSEMBLES	14:00 - 14:00
<i>Speaker:</i> Patricio Huerta (United States)		
PS02-26PM-543	ROLE OF THE GESTATIONAL MATERNAL GUT-MICROBIOTA IN THE NEURODEVELOPMENT OF THE HYPOTHALAMUS AND THE AMYGDALA	14:00 - 14:00
<i>Speaker:</i> Lorena Morales García (Ireland)		
PS02-26PM-544	THE MATERNAL GUT MICROBIOTA REGULATES EMBRYONIC CORTICAL DEVELOPMENT IN MICE	14:00 - 14:00
<i>Speaker:</i> Hugo Blair (Ireland)		
PS02-26PM-545	MICROGLIAL ACTIVATION IN THE ANTERIOR CINGULATE CORTEX: A BIOLOGICAL MARKER OF EARLY ADVERSE EVENTS AND FUTURE VULNERABILITY TO DEVELOP ALCOHOL USE DISORDER	14:00 - 14:00
<i>Speaker:</i> Narimane Bouzourène (Switzerland)		
PS02-26PM-546	GUT MICROBIOTA ALTERATIONS AND HYPOTHALAMIC INFLAMMATION PRECEDE OBESITY IN A RAT MODEL OF BINGE EATING	14:00 - 14:00
<i>Speaker:</i> Clara Rossetti (Switzerland)		
PS02-26PM-547	FECAL MICROBIOTA TRANSFER REDUCES ALCOHOL PREFERENCE IN STRESSED RATS	14:00 - 14:00
<i>Speaker:</i> Léa Aeschlimann (Switzerland)		
PS02-26PM-548	INFLUENCE OF ANTIBIOTIC-INDUCED DYSBIOSIS ON NEURONAL MORPHOLOGY OF MOUSE ENTORHINAL INHIBITORY INTERNEURONS	14:00 - 14:00
<i>Speaker:</i> Mohammad I. K. Hamad (United Arab Emirates)		
PS02-26PM-549	MODIFICATION OF COGNITIVE DEVELOPMENT IN OFFSPRING BORN TO PREGNANT DAMS WITH IBD-LIKE GUT PATHOLOGY INDUCED AT MID-GESTATION	14:00 - 14:00
<i>Speaker:</i> Jimmy Lam (Hong Kong)		
PS02-26PM-550	ENVIRONMENTAL ENRICHMENT REDUCES ANXIETY-LIKE BEHAVIOUR AND CHANGES THE MICROBIAL COMMUNITY COMPOSITION OF MICE	14:00 - 14:00
<i>Speaker:</i> Isabella Faimann (Austria)		
PS02-26PM-551	EFFECTS OF <i>LACTIPLANTIBACILLUS (LPB.) PLANTARUM</i> ON THE PHENOTYPE OF R451C NEUROLIGIN3 KNOCK-IN MOUSE MODEL OF AUTISM	14:00 - 14:00
<i>Speaker:</i> Federica Serafini (Italy)		
PS02-26PM-552	TARGETING THE GUT MICROBIOTA TO AMELIORATE THE EFFECTS OF AN EARLY LIFE HIGH-FAT/HIGH-SUGAR DIET ON	14:00 - 14:00

EATING BEHAVIOUR IN ADOLESCENCE AND ADULTHOOD*Speaker:* Cristina Cuesta-Marti (Ireland)

PS02-26PM-553 **PRIMARY SENSORY NEURONS REQUIRE A FUNCTIONAL INTERLEUKIN-6 SIGNAL TRANSDUCER TO REGULATE GUT MICROBIOTA COMPOSITION IN MICE** 14:00 - 14:00

Speaker: Lydia Riehl (Austria)

PS02-26PM-554 **STUDYING THE EFFECT OF CHRONIC PERIPHERAL INFLAMMATION, VIA TRANSURETHRAL INSTILLATION OF LPS, ON NEUROPLASTICITY** 14:00 - 14:00

Speaker: Alaa El Makkawi (Lebanon)

PS02-26PM-555 **SYMPATHETIC NEURAL-IMMUNE INTERACTIONS INVOLVED IN EARLY LIFE STRESS-INDUCED GASTROINTESTINAL DISORDER** 14:00 - 14:00

Speaker: Shaoqi Duan (Japan)

PS02-26PM-556 **INCREASED INTESTINAL PERMEABILITY AND UNEXPECTED RESILIENCE TO DSS COLITIS-INDUCED SICKNESS BEHAVIOUR IN THE *NEUROLIGIN-3^{R451C}* MOUSE MODEL OF AUTISM** 14:00 - 14:00

Speaker: Elisa Hill (Australia)

PS02-26PM-557 **FECAL MICROBIOTA TRANSPLANTATION FROM INDIVIDUAL WITH BIPOLAR DISORDER AND HEALTHY CONTROL ELICITS DISTINCT BEHAVIORS AND METABOLITE PROFILES IN MICE** 14:00 - 14:00

Speaker: Aitak Farzi (Austria)

PS02-26PM-559 **THE NEUROLOGICAL CONSEQUENCES OF PERIPHERAL INFLAMMATION: DELVING INTO SYNAPTIC TRANSMISSION AND GLIAL RESPONSES** 14:00 - 14:00

Speaker: Giorgia Scaringi (Italy)

PS02-26PM-560 **PRODROMAL GUT DYSBIOSIS, ANHEDONIA AND DEPRESSION-LIKE BEHAVIOR IN THE A53T MOUSE MODEL OF PARKINSON'S DISEASE - THE IMPACT OF SOCIAL MICROENVIRONMENT** 14:00 - 14:00

Speaker: Olga Dubljević (Serbia)

PS02-26PM-561 **THE PESTICIDE GLYPHOSATE INDUCES SEX-DEPENDENT BEHAVIOURAL CHANGES IN MICE: A ROLE FOR THE GUT MICROBIOTA?** 14:00 - 14:00

Speaker: Rie Matsuzaki (Ireland)

PS02-26PM-562 **PERINATAL METHYL DONOR DEFICIENCY INCREASES THE PREVALENCE OF "DEPRESSIVE-LIKE" BEHAVIOR IN ASSOCIATION WITH ALTERATION OF THE MICROBIOTA-GUT-BRAIN DIALOGUE IN A TRANSGENERATIONAL RAT MODEL** 14:00 - 14:00

Speaker: Arnaud Michel (France)

PS02-26PM-563 **APOE GENOTYPE EFFECTS ON THE HUMAN GUT MICROBIOME** 14:00 - 14:00

Speaker: Ioanna Freri (Austria)

PS02-26PM-564 **ADMINISTRATION OF *ENTEROCOCCUS FAECIUM* L-3 REDUCES DISEASE SEVERITY IN EAE MODEL IN RATS BY MODULATING MICROBIOTA COMPOSITION, GUT MICROMORPHOLOGY, AND IMMUNE FUNCTION** 14:00 - 14:00

Speaker: Alexander Trofimov (Russian Federation)

PS02-26PM-565 **ACUTE STRESS, MICROBIAL METABOLITES AND THE MICROBIOTA-GUT-BRAIN AXIS: FOCUS ON MICROBIAL REGULATION OF BARRIER FUNCTION AND HIPPOCAMPAL PLASTICITY** 14:00 - 14:00

Speaker: Cristina Rosell-Cardona (Ireland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Gaze Stabilization Mechanisms

- PS02-26PM-423 **ANALYSIS OF GAZE CONTROL NEURONAL CIRCUITS COMBINING BEHAVIOURAL EXPERIMENTS WITH A NOVEL VIRTUAL REALITY PLATFORM** 14:00 - 14:00
Speaker: Carmen Núñez-González (Spain)
- PS02-26PM-424 **EXPLORING GAZE MOVEMENTS IN LAMPREYS: INSIGHTS INTO VERTEBRATE NEURAL MECHANISMS FOR STABILIZING AND GOAL-ORIENTED EYE MOVEMENTS** 14:00 - 14:00
Speaker: Marta Barandela (Spain)
- PS02-26PM-425 **THE PUPILLARY LIGHT RESPONSE IS MEDIATED BY DIRECT RETINO-IRIDAL PROJECTIONS TOGETHER WITH IRIS INTRINSIC CONTRACTION IN LAMPREYS** 14:00 - 14:00
Speaker: Cecilia Jimenez-Lopez (Spain)
- PS02-26PM-426 **EFFECTS OF VESTIBULAR FUNCTION LOSS ON SPATIAL ORIENTATION IN RATS** 14:00 - 14:00
Speaker: Aida Palou Miranda (Spain)
- PS02-26PM-427 **RELATIONSHIP BETWEEN VESTIBULAR EPITHELIUM PATHOLOGY AND FUNCTION LOSS IN VESTIBULAR SCHWANNOMA PATIENTS** 14:00 - 14:00
Speaker: Mireia Borrajo (Spain)
- PS02-26PM-428 **MODULATION OF VISUAL RESPONSES IN THE MOUSE RETINA-RECIPIENT THALAMUS: INSIGHTS FROM VESTIBULAR INPUTS** 14:00 - 14:00
Speaker: Aghileh Ebrahimi (United Kingdom)
- PS02-26PM-429 **GALVANIC VESTIBULAR STIMULATION IMPROVES VISUOSPATIAL ABILITY IN HEALTHY OLDER ADULTS** 14:00 - 14:00
Speaker: Evrim Gökçe (France)
- PS02-26PM-430 **DOES THE PERCEPTION OF GRAVITATIONAL ORIENTATION, VARIATIONS IN THE SUBJECT'S POSITION, INFLUENCE BINOCULAR FUSION?** 14:00 - 14:00
Speaker: Marc Janin (France)
- PS02-26PM-431 **MATURATION OF ABDUCENS MOTONEURONS INVOLVED IN THE ANGULAR VESTIBULO-OCULAR REFLEX DURING LARVAL DEVELOPMENT** 14:00 - 14:00
Speaker: Francois Lambert (France)
- PS02-26PM-432 **INVESTIGATING VISUAL-GUIDED BEHAVIOUR IN MICE BY 3D SIMULATION** 14:00 - 14:00
Speaker: Fengxi Jin (United Kingdom)
- PS02-26PM-433 **EYE MOVEMENT-RELATED EARDRUM OSCILLATIONS ARE INDUCED BY BOTH VISUAL- AND AUDITORY-GUIDED SACCADES** 14:00 - 14:00
Speaker: Nancy Sotero Silva (Germany)
- PS02-26PM-434 **MICE ADJUST THEIR EYE POSITION DURING VIEWING OF NATURALISTIC MOVIES** 14:00 - 14:00
Speaker: Verena Peterreins (Germany)
- PS02-26PM-435 **BEHAVIORAL AND ELECTROPHYSIOLOGICAL CHARACTERISTICS OF REAL-WORLD HEAD MOVEMENT DURING GAZE SHIFT IN HUMANS** 14:00 - 14:00
Speaker: Aditya Chowdhury (Germany)
- PS02-26PM-436 **USING TWO-DIMENSIONAL OCULOMOTOR MODELING TO ANALYZE SMOOTH PURSUIT PERFORMANCE** 14:00 - 14:00
Speaker: Juliane Pawlitzki (Germany)

PS02-26PM-437	POSTURAL CONSTRAINTS AFFECT THE OPTIMAL WEIGHTING OF MULTISENSORY INTEGRATION DURING VISUO-MANUAL COORDINATION.	14:00 - 14:00
<i>Speaker:</i> Michele Tagliabue (France)		
PS02-26PM-438	MOLECULAR CHARACTERIZATION OF MUSCLE SPINDLES, GOLGI TENDON ORGANS, AND PALISADE ENDINGS IN PIG EYE MUSCLES	14:00 - 14:00
<i>Speaker:</i> Génova Carrero Rojas (Austria)		
PS02-26PM-439	MOUSE SACCADES ARE COGNITIVE STATE AND TASK DEPENDANT IN NATURALISTIC AND IMMERSIVE DECISION-MAKING TASKS	14:00 - 14:00
<i>Speaker:</i> Robert Taylor (Germany)		
PS02-26PM-440	WHAT YOU DON'T SEE IS WHAT YOU GET: NONVISUAL SIGNALS DOMINATE VESTIBULO-OCULAR REFLEX ADAPTATION WHEN RETINAL MOTION DETECTION IS IMPAIRED	14:00 - 14:00
<i>Speaker:</i> Beerend Winkelman (Netherlands)		
PS02-26PM-441	OCULOMOTOR VERGENCE SYSTEM THROUGH FMRI IN PERSONS WITH BINOCULARLY NORMAL VISION AND PERSISTENT POST-CONCUSSIVE SYMPTOMS WITH CONVERGENCE INSUFFICIENCY	14:00 - 14:00
<i>Speaker:</i> Ayushi Sangoi (United States)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Synaptic Plasticity Mechanisms		
PS02-26PM-369	MEDIAL PREFRONTAL CORTICAL CEREBELLIN-4 MODULATES SYNAPSES CRITICAL FOR LONG-TERM MEMORY	14:00 - 14:00
<i>Speaker:</i> Louise Goh (Singapore)		
PS02-26PM-370	HIPPOCAMPAL 5HT_{3A}-R MEDIATE SOCIAL NOVELTY-SEEKING	14:00 - 14:00
<i>Speaker:</i> May Si Min Ho (Singapore)		
PS02-26PM-371	EPITRANSCRIPTOMIC REGULATION OF SYNAPTIC PLASTICITY VIA NOVEL PHARMACOLOGICAL TOOLS	14:00 - 14:00
<i>Speaker:</i> Rahaf Keskinen (Finland)		
PS02-26PM-372	CHARACTERISING THE ROLE OF GADD45α IN MRNA STABILITY IN THE CONTEXT OF SYNAPTIC PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Alex Brown (Germany)		
PS02-26PM-373	METABOTROPIC GLUTAMATE RECEPTORS AND TRPC1 CHANNEL: ROLE IN SYNAPTIC PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Farah Issa (Belgium)		
PS02-26PM-374	THE INVOLVEMENT OF THE RNA DEMETHYLASE FTO IN SYNAPTIC FUNCTION	14:00 - 14:00
<i>Speaker:</i> Lucia Perez-Benitez (Spain)		
PS02-26PM-375	LEPTIN REGULATES THE DEVELOPMENT OF GLUTAMATERGIC SYNAPSES IN THE DEVELOPING HIPPOCAMPUS THROUGH THE PROTEASES MATRIX METALLOPROTEINASE 9 AND CATHEPSIN B	14:00 - 14:00
<i>Speaker:</i> Jose Luis Rodriguez Llamas (United States)		
PS02-26PM-376	ANALYZING ACTIVITY-DEPENDENT GENE PLASTICITY USING A GENETIC REPORTER FOR MRI	14:00 - 14:00
<i>Speaker:</i> Valerie Phi van (United States)		
PS02-26PM-377	ECM REMODELING BY ADAMTS5 IS CRUCIAL FOR INACTIVITY-INDUCED HOMEOSTATIC PLASTICITY MECHANISMS	14:00 - 14:00
<i>Speaker:</i> Bartomeu Perelló Amorós (Germany)		

PS02-26PM-378	MICRORNAS REGULATING CAMKIIA/SIRT1 SIGNALING PATHWAY ARE ASSOCIATED WITH COGNITIVE ABILITY AND ACADEMIC PERFORMANCE IN ADOLESCENTS	14:00 - 14:00
<i>Speaker:</i> Li-Ching Lee (Taiwan)		
PS02-26PM-379	H3K9ME3 REDUCES NEURON ACTIVATION IN THE AGED DENTATE GYRUS	14:00 - 14:00
<i>Speaker:</i> Citlali Suárez Rangel (Mexico)		
PS02-26PM-380	ROLE OF 4.1N IN SYNAPTIC PLASTICITY AND ENGRAM MODULATION	14:00 - 14:00
<i>Speaker:</i> Marta Díaz-González (Israel)		
PS02-26PM-381	DIURNAL VARIATIONS IN THE CONTRIBUTION OF MGLU5 RECEPTORS TO HIPPOCAMPAL SYNAPTIC PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Janna Aarse (Germany)		
PS02-26PM-382	DEFICIENCY IN SYNAPTIC PROTEASE NEUROTRYPsin: ITS EFFECTS ON SYNAPTIC PLASTICITY, LEARNING BEHAVIORS, AND LEARNING-INDUCED DENDRITIC SPINE REMODELING IN MICE	14:00 - 14:00
<i>Speaker:</i> Shaobo Jia (Germany)		
PS02-26PM-383	LOSS OF SYNAPTOPODIN IMPAIRS STRUCTURAL AND FUNCTIONAL MGLUR-LTD AT HIPPOCAMPAL CA3-CA1 SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Peiyu Wu (Canada)		
PS02-26PM-384	EXTRACELLULAR PROTEOLYTIC CASCADE REMODELS THE ECM TO PROMOTE STRUCTURAL PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Renato Frischknecht (Germany)		
PS02-26PM-385	EXTENDING MALAT1 ACTIVITY TO THE MODULATION OF LSD1 ALTERNATIVE SPLICING: A NOVEL CELL-AUTONOMOUS MECHANISM DEVOTED TO NEURONAL HOMEOSTASIS	14:00 - 14:00
<i>Speaker:</i> Elena Romito (Italy)		
PS02-26PM-386	ACTIVITY-DEPENDENT SPLICING IS CRUCIAL FOR LEARNING AND MEMORY	14:00 - 14:00
<i>Speaker:</i> Oriane Mauger (Switzerland)		
PS02-26PM-387	PRG-4 (LPPR2) IS IMPORTANT FOR CORRECT PROTEIN TARGETING TOWARDS SYNAPTIC STRUCTURES AFFECTING MEMORY AND LEARNING	14:00 - 14:00
<i>Speaker:</i> Stefan Wagner (Germany)		
PS02-26PM-388	MMP-9 ACTS THROUGH IGF-I SIGNALING PATHWAY TO PROMOTE DENDRITIC SPINE PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Diana Legutko (Poland)		
PS02-26PM-389	PHOSPHOREGULATION OF ARGONAUTE FUNCTION IN SYNAPTIC PLASTICITY AND MEMORY	14:00 - 14:00
<i>Speaker:</i> Grace Ryal (United Kingdom)		

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Sex Differences and Lifestyle Implications

PS02-26PM-115	SEX-DEPENDENT DIFFERENCES OF SHORT-TERM AEROBIC ENDURANCE EXERCISE ON SYSTEMIC LPS-INDUCED INFLAMMATION AND MICROGLIAL ACTIVATION IN YOUNG C57BL/6J MICE	14:00 - 14:00
<i>Speaker:</i> Joana Augusto (Ireland)		
PS02-26PM-116	A SEXUAL DIMORPHIC MICROGLIA RESPONSE MODULATES VISUAL CORTEX NETWORK ACTIVITY AFTER KETAMINE-	14:00 - 14:00

ANESTHESIA*Speaker:* Alessandro Venturino (Austria)

PS02-26PM-117 **EXERCISE AND RISPERIDONE INTERVENTION IMPROVING NEUROPLASTICITY IN JUVENILE FEMALE RATS** 14:00 - 14:00

Speaker: Weijie Yi (Australia)

PS02-26PM-118 **PATERNAL EXPOSURE TO VOLUNTARY EXERCISE OR CORTICOSTERONE MODIFIES THE SPERM LONG NONCODING RNA PROFILE, AND THEIR MICROINJECTION ALTERS ADULT BEHAVIOURAL ENDOPHENOTYPES** 14:00 - 14:00

Speaker: Lucas Hoffmann (Australia)

PS02-26PM-119 **SEX-DEPENDENT EFFECTS OF VOLUNTARY PHYSICAL EXERCISE ON OBJECT RECOGNITION MEMORY RESTORATION AFTER TRAUMATIC BRAIN INJURY IN MIDDLE-AGED RATS** 14:00 - 14:00

Speaker: David Costa (Spain)

PS02-26PM-120 **SEX-BASED DIFFERENCES IN A MOUSE MODEL OF EXPERIMENTAL COLITIS HOUSED IN ENVIRONMENTAL ENRICHMENT** 14:00 - 14:00

Speaker: Giulia Petracco (Austria)

PS02-26PM-121 **STRONGER AUDITORY STEADY-STATE RESPONSES IN MALE MICE** 14:00 - 14:00

Speaker: Urte Jasinskyte (Lithuania)

PS02-26PM-122 **STRESS VULNERABILITY CONFERRED BY CX3CR1-DEFICIENCY IS SEXUALLY DIMORPHIC AND RESPONDS TO PHYSICAL EXERCISE IN MICE** 14:00 - 14:00

Speaker: Inès Tran (Germany)

PS02-26PM-123 **SEX-RELATED IMPAIRMENT OF SYNAPTIC PLASTICITY IN THE HIPPOCAMPUS OF HYPERGRAVITY-EXPOSED MICE: NEW INSIGHTS FOR SPACE COGNITION** 14:00 - 14:00

Speaker: Mathilde Wullen (France)

PS02-26PM-124 **CHANGES OF NLRP3 INFLAMMASOME REGULATION IN THE FRONTAL CORTEX INDUCED BY VOLUNTARY WHEEL RUNNING IN OVARECTOMIZED FEMALE ADULT MICE** 14:00 - 14:00

Speaker: Konstancja Grabowska (Poland)

PS02-26PM-125 **NON-INVASIVE SENSORY STIMULATION MITIGATES STRESS-INDUCED NEUROIMMUNE RESPONSES IN A SEX- AND FREQUENCY-SPECIFIC MANNER** 14:00 - 14:00

Speaker: Tina Franklin (United States)

PS02-26PM-126 **INVESTIGATING THE IMPACT OF LONG-TERM ENDURANCE EXERCISE ON COGNITIVE FUNCTION AND NEUROINFLAMMATION IN MALE AND FEMALE C57BL/6J MICE** 14:00 - 14:00

Speaker: Zsuzsanna Barad (Ireland)

PS02-26PM-127 **ENVIRONMENTAL ENRICHMENT EFFECTS ON HIPPOCAMPAL MICROGLIA AND ADULT NEUROGENESIS** 14:00 - 14:00

Speaker: Jorge Valero (Spain)

PS02-26PM-128 **INVESTIGATING THE EFFECTS OF CHRONIC AEROBIC EXERCISE ON COGNITIVE DEFICITS AND INFLAMMATORY MARKERS IN THE SUB-CHRONIC PHENCYCLIDINE MOUSE MODEL FOR SCHIZOPHRENIA RESEARCH** 14:00 - 14:00

Speaker: Katie Landreth (United Kingdom)

PS02-26PM-129 **DORSAL HIPPOCAMPAL CA3-CA1 LONG-TERM PLASTICITY AND THE EFFECT OF AEROBIC EXERCISE IN ANAESTHETISED AND AWAKE SUB-CHRONIC PHENCYCLIDINE RAT MODEL FOR SCHIZOPHRENIA** 14:00 - 14:00

Speaker: Ningyuan Sun (United Kingdom)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Schizophrenia: Etiologies and Mechanisms

PS02-26PM-080 **EXAMINING THE TRANSCRIPTOMIC SIGNATURE OF THE THALAMUS IN A DUAL-HIT RAT MODEL OF SCHIZOPHRENIA: INSIGHTS INTO GENDER-SPECIFIC ALTERATIONS** 14:00 - 14:00

Speaker: Blanca Sánchez-Moreno (Spain)

PS02-26PM-081 **PLASTICITY-RELATED ALTERATIONS IN THE MPFC OF A DUAL-HIT MODEL OF SCHIZOPHRENIA IN RAT.** 14:00 - 14:00

Speaker: Javier Gilabert Juan (Spain)

PS02-26PM-082 **DEVELOPMENTAL PERTURBATION OF DOPAMINE PATHWAYS AS A MODEL FOR SCHIZOPHRENIA** 14:00 - 14:00

Speaker: Kanako Otomo (Switzerland)

PS02-26PM-083 **ELEVATED SYNAPTIC PRUNING IN MICROGLIA ACROSS PATIENT-DERIVED BRAIN ORGANOIDS** 14:00 - 14:00

Speaker: Susmita Malwade (Sweden)

PS02-26PM-084 **THE GUT-BRAIN AXIS IN AN ANIMAL MODEL OF SCHIZOPHRENIA** 14:00 - 14:00

Speaker: Kirsten Schmerder (Germany)

PS02-26PM-085 **DEVELOPMENT OF A TEST BATTERY FOR SOCIAL BEHAVIOR AND ASSESSING A RAT MODEL FOR BIPOLAR DISORDER** 14:00 - 14:00

Speaker: Candy Theis (Germany)

PS02-26PM-086 **DECIPHERING CIRCUITS CONTROLLING PSYCHIATRY-ASSOCIATED BEHAVIORS** 14:00 - 14:00

Speaker: Meet Jariwala (Denmark)

PS02-26PM-087 **HIPSC-DERIVED DOPAMINERGIC AND GLUTAMATERGIC NEURONS OF SCHIZOPHRENIA PATIENTS SHOW NEURONAL ABERRATIONS IN A CO-CULTURE MODEL** 14:00 - 14:00

Speaker: Sophia-Marie Hartmann (Germany)

PS02-26PM-088 **SMALL RNAS AS IMPORTANT CONTRIBUTORS IN THE COGNITIVE SYMPTOMS ASSOCIATED TO SCHIZOPHRENIA** 14:00 - 14:00

Speaker: Marcos Galán Ganga (Spain)

PS02-26PM-089 **THE BRAIN SPHINGOLIPID SYSTEM IN SCHIZOPHRENIA AND ITS TREATMENT** 14:00 - 14:00

Speaker: Christian Müller (Germany)

PS02-26PM-090 **GENETIC MECHANISMS FOR IMPAIRED SYNAPTIC PLASTICITY IN SCHIZOPHRENIA REVEALED BY COMPUTATIONAL MODELLING** 14:00 - 14:00

Speaker: Tuomo Mäki-Marttunen (Finland)

PS02-26PM-091 **TOP-DOWN CONNECTIONS FROM ACC TO V1 CONTRIBUTE TO MISMATCH NEGATIVITY** 14:00 - 14:00

Speaker: Soyoun Kim (United States)

PS02-26PM-092 **SCHIZOPHRENIA RISK GENE *SP4 I*: A CALL FOR SPATIO-TEMPORAL EXPRESSION DATA ON FETAL RADIAL GLIAL CELLS AND ADULT NUCLEUS ACUMBENS** 14:00 - 14:00

Speaker: Venkiteswaran Muralidhar (India)

PS02-26PM-093 **MODELING THE EFFECTS OF SCHIZOPHRENIA RELATED ION-CHANNEL ENCODING GENES ON P50 SUPPRESSION** 14:00 - 14:00

Speaker: Jan Fredrik Kismul (Finland)

PS02-26PM-094	ACTIVATION OF PARVALBUMIN+ INTERNEURONS IN ORBITOFRONTAL CORTEX LEADS TO HIGHER FUNCTIONAL CONNECTIVITY, INCREASED CEREBRAL BLOOD VOLUME AND SOCIAL DYSREGULATION	14:00 - 14:00
	<i>Speaker:</i> Elmira Khatamsaz (Germany)	
PS02-26PM-095	TRACING DEVELOPMENTAL PERTURBATIONS IN PSYCHIATRIC DISORDERS	14:00 - 14:00
	<i>Speaker:</i> Edda Santello (Denmark)	
PS02-26PM-096	A NEUROIMMUNOLOGICAL PERSPECTIVE OF THE BASIS OF SCHIZOPHRENIA-RELATED SYMPTOMATOLOGY	14:00 - 14:00
	<i>Speaker:</i> Ivan Ballasch (Spain)	
PS02-26PM-097	ELECTROCONVULSIVE SEIZURES MITIGATE PSYCHOTIC-LIKE PHENOTYPE IN MICE LACKING ADENOSINE A_{2A} RECEPTOR	14:00 - 14:00
	<i>Speaker:</i> Paula Álvarez-Montoya (Spain)	
PS02-26PM-098	ROLE OF SCHIZOPHRENIA-ASSOCIATED EXPORTIN 7 IN THE DEVELOPMENT AND FUNCTION OF CORTICAL NEURONS	14:00 - 14:00
	<i>Speaker:</i> Emilie Turlure (France)	
PS02-26PM-099	DYSREGULATION OF PARVALBUMIN- AND CALRETININ- EXPRESSING NEURONS IN THE LATERAL SEPTUM OF THE <i>DF(16)A</i>^{+/-} MOUSE MODEL OF SCHIZOPHRENIA	14:00 - 14:00
	<i>Speaker:</i> Paula Sierra Diaz (Spain)	
PS02-26PM-100	TREATMENT STRATEGY TARGETING 5-HT6R IN AN INNOVATIVE ANIMAL MODEL OF SCHIZOPHRENIA	14:00 - 14:00
	<i>Speaker:</i> Michel Boulouard (France)	
PS02-26PM-101	IMPAIRED SUBCELLULAR LOCALIZATION OF SYNAPTIC MRNAS UNDERLIES CONNECTIVITY DEFICITS IN SCHIZOPHRENIA	14:00 - 14:00
	<i>Speaker:</i> Alessia Atella (Germany)	
PS02-26PM-102	INCREASED GABAERGIC NEUROGENESIS IN HUMAN CORTICAL ORGANOIDs WITH SCHIZOPHRENIA-ASSOCIATED SETD1A MUTATIONS	14:00 - 14:00
	<i>Speaker:</i> Hilde Smeenk (Netherlands)	
PS02-26PM-103	HYPERACTIVITY, SOCIAL DEFICITS AND SPATIAL WORKING MEMORY IMPAIRMENT IN A NEW MOUSE MODEL OF 3-HIT SCHIZOPHRENIA	14:00 - 14:00
	<i>Speaker:</i> Imane Mouffok (France)	
PS02-26PM-104	DOPAMINERGIC HYPERACTIVITY AND GOAL-DIRECTED BEHAVIORAL DEFICITS IN A 22Q11.2 GENETIC HIGH RISK MOUSE MODEL OF SCHIZOPHRENIA	14:00 - 14:00
	<i>Speaker:</i> Anastasia Diamantopoulou (Germany)	
PS02-26PM-105	COGNITIVE BEHAVIOURAL DEFICITS IN A KNOCK-IN MOUSE MODEL WITH A HUMAN SCHIZOPHRENIA-ASSOCIATED MUTATION IN THE <i>CACNG2</i> GENE	14:00 - 14:00
	<i>Speaker:</i> Orsolya Antal (Portugal)	
PS02-26PM-106	CHEMOGENETIC MODULATION OF PARVALBUMIN INTERNEURONS IN THE MEDIAL PREFRONTAL CORTEX: RELEVANCE TO COGNITIVE SCHIZOPHRENIA-LIKE SYMPTOMS IN RATS	14:00 - 14:00
	<i>Speaker:</i> Jan Svoboda (Czech Republic)	
PS02-26PM-107	EFFECTS OF THE POLY I:C MODEL OF SCHIZOPHRENIA ON THALAMIC INHIBITORY CIRCUITS	14:00 - 14:00
	<i>Speaker:</i> Marc Beltran i Martínez (Spain)	
PS02-26PM-108	NLRP1 INFLAMMASOME ACTIVATION IN SCHIZOPHRENIA	14:00 - 14:00

Speaker: Goran Simic (Croatia)

PS02-26PM-109 **PREDICTION OF ANTIPSYCHOTIC-INDUCED EXTRAPYRAMIDAL SYMPTOMS IN SCHIZOPHRENIA USING MACHINE LEARNING** 14:00 - 14:00

Speaker: Monika Sharma (India)

PS02-26PM-110 **IMPAIRED AND DIMINISHED LONG-RANGE GABAERGIC NEURONS AS THE MAJOR PERTURBATION IN A MICRODELETION MODEL OF HUMAN NEUROPSYCHIATRIC DISORDERS** 14:00 - 14:00

Speaker: Katarina Dragicevic (Denmark)

PS02-26PM-111 **IDENTIFICATION OF BLOOD AND NEURONAL BIOMARKERS FOR DISEASE ONSET AND MEDICATION RESPONSE IN FIRST-EPIISODE PSYCHOSIS PATIENTS** 14:00 - 14:00

Speaker: Olga Rivero (Spain)

PS02-26PM-112 **INFLAMMATION'S IMPRINT: UNRAVELING THE BIOMARKER LANDSCAPE OF SCHIZOPHRENIA VERSUS ACUTE PSYCHOSIS** 14:00 - 14:00

Speaker: Andrei Gabriel Zanfir (Romania)

PS02-26PM-113 **RELATIONAL DOPAMINE/METABOLIC CORRELATES OF PSYCHOPATHOLOGY IN SCHIZOPHRENIA** 14:00 - 14:00

Speaker: Irena Dajic (Austria)

PS02-26PM-114 **EARLY POSTNATAL NMDA RECEPTOR ABLATION DIFFERENTIALLY IMPACTS ON TRANSCALLOSAL AND LONG-RANGE MPFC INPUTS** 14:00 - 14:00

Speaker: Carlos Alfredo Pretell Annan (Argentina)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Age related Disease Pathophysiology

PS02-26PM-311 **UNRAVELLING THE CONTRIBUTION OF THE APP-DERIVED PEPTIDE AETA IN ALZHEIMER'S DISEASE PATHOLOGY** 14:00 - 14:00

Speaker: Jade DUNOT (France)

PS02-26PM-312 **APP-DERIVED AETA PEPTIDE MODULATES BRAIN NETWORK ACTIVITY** 14:00 - 14:00

Speaker: Benjamin Azoulay (France)

PS02-26PM-313 **APP FRAGMENT CONTROLS BOTH IONOTROPIC AND NON-IONOTROPIC SIGNALING OF NMDA RECEPTORS** 14:00 - 14:00

Speaker: Helene Marie (France)

PS02-26PM-314 **INHIBITION OF P38MAPK-DEPENDENT PHOSPHORYLATION OF E2F4 IN ITS T249/T251 MOTIF PREVENTS DNA DAMAGE-INDUCED DEATH IN N2A-DERIVED NEURONS** 14:00 - 14:00

Speaker: Aina Maria Llabrés Mas (Spain)

PS02-26PM-315 **ASIC1A-BLOCKING MONOCLONAL ANTIBODY RESTORES HIPPOCAMPAL SYNAPTIC NEUROTRANSMISSION AND PLASTICITY IMPAIRMENT INDUCED BY AB** 14:00 - 14:00

Speaker: Dalila Mango (Italy)

PS02-26PM-316 **CHELERYTHRINE CHLORIDE ELIMINATES HYPOXIA-INDUCED SUPPRESSION OF THE AMPA NEUROTRANSMISSION IN THE VISUAL RETINOCOLLICULAR PATHWAY** 14:00 - 14:00

Speaker: Hanna Dumanska (Ukraine)

PS02-26PM-317 **CAP2 OVEREXPRESSION IN HIPPOCAMPAL NEURONS PREVENTS ACTIN ABNORMALITIES AND COGNITIVE DEFECTS IN AN ALZHEIMER'S DISEASE MODEL** 14:00 - 14:00

Speaker: Ramona Stringhi (Italy)

PS02-26PM-318	THE EFFECT OF ERGOTHIONEINE ON SYNAPTIC PLASTICITY IN THE HIPPOCAMPAL CA1 REGION USING ALZHEIMER'S DISEASE MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Suk Yin Lee (Singapore)		
PS02-26PM-319	EXPLORING THE IMPACT OF ALPHA-KETOGLUTARATE ON HIPPOCAMPAL SYNAPTIC PLASTICITY IN AN ALZHEIMERS DISEASE MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Sheeja Navakkode (Singapore)		
PS02-26PM-320	THE REGION 35-HAEE-38 OF ALPHA4 SUBUNIT PLAYS A KEY ROLE IN THE BINDING OF ALPHA4BETA2 NICOTINIC ACETYLCHOLINE RECEPTOR TO BETA-AMYLOID	14:00 - 14:00
<i>Speaker:</i> Olga Kechko (Russian Federation)		
PS02-26PM-321	REDUCED CORTICAL EXCITABILITY AND SYNAPTIC PROTEINS IN THE BRAIN OF APOE DEFICIENT MICE	14:00 - 14:00
<i>Speaker:</i> Selcen Abidin (Turkey)		
PS02-26PM-322	NEW INSIGHTS INTO PHYSIOLOGY OF AGED-RELATED COGNITIVE DISORDERS: THE DNA REPAIR PROTEIN ATR	14:00 - 14:00
<i>Speaker:</i> Sabrina Briguglio (Italy)		
PS02-26PM-323	KCC2 PHARMACOLOGICAL TARGETING AS A NOVEL THERAPEUTIC STRATEGY TO RESCUE COGNITIVE DECLINE OF AGING	14:00 - 14:00
<i>Speaker:</i> Alessandra Cucinelli (Italy)		
PS02-26PM-324	IMPROVING GLUTAMATE METABOLISM TO SIMULTANEOUSLY ADDRESS ENERGETIC FAILURE AND CELL DYSFUNCTIONS IN ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Tiziano Serfilippi (Italy)		
PS02-26PM-325	UNCONVENTIONAL INTRACELLULAR SIGNALING PATHWAY UNDERLYING CHOLINERGIC MUSCARINIC RECEPTOR-INDUCED AXONAL ACTION POTENTIAL THRESHOLD PLASTICITY IN HIPPOCAMPAL NEURONS	14:00 - 14:00
<i>Speaker:</i> Haojie Sun (United Kingdom)		
PS02-26PM-326	APOE CHRISTCHURCH: ALTERNATIVE MECHANISMS OF PROTECTION	14:00 - 14:00
<i>Speaker:</i> Paula Perez (United States)		
PS02-26PM-327	BACE1 DEPENDENT EFFECTS OF IL-6 ON CORTICAL CIRCUITS	14:00 - 14:00
<i>Speaker:</i> Buket Ucar Franke (Austria)		
PS02-26PM-328	THE INHIBITOR OF BROMODOMAIN AND EXTRATERMINAL DOMAIN (BET) PROTEINS, OTX-015, MITIGATES THE HIPPOCAMPAL AMYLOID-B LOAD IN MICE SUBJECTED TO PRENATAL STRESS	14:00 - 14:00
<i>Speaker:</i> Grzegorz Czapski (Poland)		
PS02-26PM-329	PROTEIN LEVELS AND POST-TRANSLATIONAL MODIFICATIONS OF INHIBITORY SYNAPSE PROTEINS IN THE MAMMALIAN BRAIN ARE REGULATED BY THE PLANT DERIVED ARTEMISININS	14:00 - 14:00
<i>Speaker:</i> Eva Kiss (Romania)		
PS02-26PM-330	AMYLOID-B PRODUCTION AND FUNCTION ARE NEEDED FOR CYCLIC NUCLEOTIDES-MEDIATED ENHANCEMENT OF SYNAPTIC PLASTICITY AND MEMORY	14:00 - 14:00
<i>Speaker:</i> Valeria Vacanti (Italy)		
PS02-26PM-331	MICROGLIA MEDIATE AB-INDUCED HOMEOSTATIC SYNAPTIC PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Christos Galanis (Germany)		

Poster Sessions

14:00 - 17:30

Posters

Poster Session 02 - Neuropeptide Modulation in Behaviour

- PS02-26PM-065 **ROLE OF NUCLEUS INCERTUS IN SHAPING INTERPEDUNCULAR NUCLEUS ACTIVITY - NEW NEURONAL MECHANISM UNDERLYING NOVELTY PREFERENCE IN RATS** 14:00 - 14:00
Speaker: Patryk Sambak (Poland)
- PS02-26PM-066 **NGF-SENSITIVE INTERPEDUNCULAR NUCLEUS (IPN) NEURONS IN CIRCUITS SHAPING SOCIAL BEHAVIOUR: ANATOMICAL AND FUNCTIONAL STUDIES OF THE NUCLEUS INCERTUS-IPN-VENTRAL HIPPOCAMPUS AXIS** 14:00 - 14:00
Speaker: Sylwia Drabik (Poland)
- PS02-26PM-067 **MATERNAL SEPARATION MODIFIES THE STRESS SENSITIVITY, ELECTROPHYSIOLOGY AND MORPHOLOGY OF RAT NUCLEUS INCERTUS NEURONS** 14:00 - 14:00
Speaker: Anna Gugula (Poland)
- PS02-26PM-068 **UNRAVELLING THE COMPLEXITY OF STRESS AND REWARD PROCESSING: THE INNERVATION OF MIDBRAIN NUCLEI BY THE NUCLEUS INCERTUS - ANATOMICAL, ELECTROPHYSIOLOGICAL AND BEHAVIOURAL STUDIES IN RATS** 14:00 - 14:00
Speaker: Joanna Roszkowska (Poland)
- PS02-26PM-069 **UNRAVELING THE COMPLEXITY OF STRESS AND REWARD PROCESSING: NUCLEUS INCERTUS RESPONSES TO NOXIOUS STIMULUS - ELECTROPHYSIOLOGICAL, ANATOMICAL AND IMMEDIATE EARLY GENE EXPRESSION STUDIES** 14:00 - 14:00
Speaker: Olga Mierniczek (Poland)
- PS02-26PM-070 **PSYCHOSOCIAL AND PHYSICAL STRESS MODULATE NORADRENERGIC SIGNALING IN THE VENTRAL TEGMENTAL AREA-NUCLEUS ACCUMBENS CIRCUIT** 14:00 - 14:00
Speaker: Zuzanna Sulich (Poland)
- PS02-26PM-071 **STIMULI-EVOKED NORADRENERGIC ACTIVITY IN THE VTA DRIVES PHASIC DOPAMINE RELEASE IN THE NUCLEUS ACCUMBENS - PRELIMINARY RESULTS** 14:00 - 14:00
Speaker: Aleksandra Kaczmarek (Poland)
- PS02-26PM-072 **NEUROMODULATORY ROLE OF RELAXIN-3/RXFP3 SIGNALING IN STRESS- AND ANXIETY-RELATED CIRCUITS: INSIGHTS FROM THE RAT VENTRAL DENTATE GYRUS** 14:00 - 14:00
Speaker: Gabriela Stopka (Poland)
- PS02-26PM-073 **UNVEILING A NOVEL NEUROPEPTIDE INTERPLAY: OPPOSING ACTIONS OF OXYTOCIN AND RELAXIN-3 ON VENTRAL HIPPOCAMPAL DENTATE GYRUS NEURONAL ACTIVITY - RAT AND HUMAN STUDIES** 14:00 - 14:00
Speaker: Aleksandra Trenk (Poland)
- PS02-26PM-074 **NEUROCHEMISTRY AND FUNCTIONAL CONNECTIVITY OF THE NUCLEUS INCERTUS-VENTRAL HIPPOCAMPAL PATHWAY: POSSIBLE INVOLVEMENT IN ANXIETY CONTROL IN RATS AND HUMANS** 14:00 - 14:00
Speaker: Kinga Przybylska (Poland)
- PS02-26PM-075 **EXPLORING DYNAMIC INTERACTION OF OXYTOCIN AND RELAXIN-3 IN MODULATING VENTRAL CA3 NEURONAL ACTIVITY IN RATS - INSIGHTS FROM MOLECULAR AND NEUROPHYSIOLOGICAL STUDIES** 14:00 - 14:00
Speaker: Aleksandra Nogaj (Poland)
- PS02-26PM-076 **EFFECT OF ACUTE AND CHRONIC ACTIVATION OF RELAXIN-3 RECEPTOR (RXFP3) ON CONTEXTUAL FEAR ACQUISITION AND** 14:00 - 14:00

EXTINCTION IN THE RAT RETROSPLENIAL CORTEX*Speaker:* Mónica Navarro Sánchez (Spain)

PS02-26PM-077 **ROLE OF CENTRAL AMYGDALOID ALPHA-2 ADRENERGIC RECEPTORS IN THE MODULATION OF ANXIETY IN THE RAT** 14:00 - 14:00

Speaker: Miguel Perez de la Mora (Mexico)

PS02-26PM-078 **THE ROLE OF PROLACTIN-RELEASING PEPTIDE (PRRP) IN THE DEPRESSIVE-LIKE BEHAVIOURS IN RATS** 14:00 - 14:00

Speaker: Anita Kovács (Hungary)

PS02-26PM-079 **INFLUENCE OF THE BALANCING ARM OF THE RENIN-ANGIOTENSIN SYSTEM ON MOTIVATIONAL BEHAVIOR AND NOCICEPTION IN MICE** 14:00 - 14:00

Speaker: Paraskevas Pakataridis (Bulgaria)*Poster Sessions*

14:00 - 17:30

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Poster Session 02 - Astrocyte-Neuron Interactions

PS02-26PM-332 **ASTROGLIAL CONTROL OF PREFRONTAL DOPAMINE TONE SHAPE BEHAVIOR** 14:00 - 14:00

Speaker: Juliette Royer (France)

PS02-26PM-333 **SHUTTLE OF DOPAMINE THROUGH ASTROGLIAL NETWORKS REGULATES PREFRONTAL NEUROTRANSMISSION** 14:00 - 14:00

Speaker: Xia Li (France)

PS02-26PM-334 **LOCAL RELEASE OF MONOAMINES IN THE CEREBELLAR CORTEX** 14:00 - 14:00

Speaker: Sambre Mach (France)

PS02-26PM-335 **AUTOMATED DETECTION AND ANALYSIS OF SPONTANEOUS NEUROTRANSMITTER RELEASES FROM NEURONS AND ASTROCYTES** 14:00 - 14:00

Speaker: Wenli Niu (France)

PS02-26PM-336 **ASTROCYTIC CONTROL OF DOPAMINE CONTRIBUTES TO ADDICTION AND REWARD** 14:00 - 14:00

Speaker: Olga Chaikovska (France)

PS02-26PM-337 **THE ROLE OF ASTROCYTIC METABOTROPIC GLUTAMATE RECEPTOR 5 IN MOOD AND COGNITION** 14:00 - 14:00

Speaker: João Viana (Portugal)

PS02-26PM-338 **ASTROCYTIC FOXO1 REGULATES HIPPOCAMPAL SPINOGENESIS AND SYNAPTIC PLASTICITY AND ENHANCES FEAR MEMORY** 14:00 - 14:00

Speaker: Daniela Sofia Abreu (Portugal)

PS02-26PM-339 **REGIONAL ROLES OF ASTROCYTIC FOXO1 IN THE MODULATION OF BEHAVIOR** 14:00 - 14:00

Speaker: Alexandra Veiga (Portugal)

PS02-26PM-340 **THE ROLE OF ASTROCYTIC METABOTROPIC GLUTAMATE RECEPTOR 5 IN SOCIAL BEHAVIOR** 14:00 - 14:00

Speaker: Duarte Dias (Portugal)

PS02-26PM-341 **ASSESSING HISTOLOGICAL PROCESSING OF MOUSE BRAIN TISSUE FOR THE RECONSTRUCTION OF TRIDIMENSIONAL ASTROCYTE STRUCTURE** 14:00 - 14:00

Speaker: Sara Barsanti (Portugal)

PS02-26PM-342 **ASTROCYTE CALCIUM SIGNALING INVOLVEMENT IN HIPPOCAMPUS-PREFRONTAL CORTEX** 14:00 - 14:00

Speaker: João Machado (Portugal)

PS02-26PM-343	UNRAVELING THE NEUROGENIC NICHE SYMPHONY: HIPPOCAMPAL ASTROCYTES MITIGATE MICROGLIAL REACTIVITY TO INFLAMMATION	14:00 - 14:00
<i>Speaker:</i> Marta Vilademunt Alcaide (Switzerland)		
PS02-26PM-344	THE ANALYSIS FOR THE OXT-DA INTERACTION CAUSING SOCIAL RECOGNITION DEFICIT IN SYNTAXIN1A KO	14:00 - 14:00
<i>Speaker:</i> Tomonori Fujiwara (Japan)		
PS02-26PM-345	LOW-INTENSITY REPETITIVE PULSED ULTRASOUND STIMULATION SUPPRESSES NEURAL ACTIVITY VIA EFFECTS ON ASTROCYTES	14:00 - 14:00
<i>Speaker:</i> Tatsuya Mishima (Japan)		
PS02-26PM-346	ROLE OF ASTROCYTES IN VISUAL SYNAPTIC TRANSMISSION AND PLASTICITY : IMPLICATIONS IN NEURODEVELOPMENTAL DISORDERS	14:00 - 14:00
<i>Speaker:</i> Valentin Ritou (France)		
PS02-26PM-347	THE ROLE OF ASTROGLIAL HOMEOSTATIC FUNCTIONING AND ASTROGLIA-NEURON INTERACTIONS IN NETWORK HYPEREXCITABILITY	14:00 - 14:00
<i>Speaker:</i> Ahmed Jamali (Norway)		
PS02-26PM-348	GLIAL CELLS UNDERGO RAPID CHANGES FOLLOWING ACUTE CHEMOGENETIC MANIPULATION OF A SUBPOPULATION OF LAYER 5 PROJECTION NEURONS	14:00 - 14:00
<i>Speaker:</i> Auguste Vadisiute (United Kingdom)		
PS02-26PM-349	EPIGENETIC MODULATION OF ASTROCYTE REACTIVITY TO PREVENT NEURODEGENERATION	14:00 - 14:00
<i>Speaker:</i> Andrea Villoria-González (Austria)		
PS02-26PM-350	ADENOSINE TRIGGERS ASTROCYTE REACTIVITY TO DRIVE THE PATHOGENESIS OF SEPSIS-ASSOCIATED ENCEPHALOPATHY	14:00 - 14:00
<i>Speaker:</i> Qilin Guo (Germany)		
PS02-26PM-351	LIGHT-DEPENDENT CAMP MODULATION IN ASTROCYTES TRIGGERS SYNAPTIC POTENTIATION, HEMODYNAMIC RESPONSES, AND BEHAVIOURAL CHANGES IN MICE: ROLE IN HUNTINGTON'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Laia Sitjà Roqueta (Spain)		
PS02-26PM-352	ASTROCYTIC CB1 RECEPTOR EFFECT UPON SYNAPTIC PLASTICITY IN THE MEDIAL PREFRONTAL CORTEX IS MODULATED BY ADENOSINE RECEPTORS	14:00 - 14:00
<i>Speaker:</i> Joana Gonçalves-Ribeiro (Portugal)		
PS02-26PM-353	ALTERATION OF NEURON-ASTROCYTE INTERPLAY IN THE EARLY PHASE OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Apolline Pierre (France)		
PS02-26PM-354	SYNAPTIC SENTINELS: UNVEILING THE ROLE OF GLIAL CELLS IN ALZHEIMER'S PATHOGENESIS	14:00 - 14:00
<i>Speaker:</i> Akshay Kapadia (Netherlands)		
PS02-26PM-355	ASTROCYTES PROVIDE THE TEMPORAL DYNAMIC REQUIRED FOR THETA DRIVEN MEMORY FORMATION IN THE HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Silas Larsen (Denmark)		
PS02-26PM-356	RESCUE OF ASTROCYTE ACTIVITY BY THE CALCIUM SENSOR STIM1 RESTORES LONG-TERM SYNAPTIC PLASTICITY IN AN ALZHEIMER'S DISEASE MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Annamaria Lia (Italy)		

PS02-26PM-357	STRUCTURAL REMODELING OF NEURAL CIRCUITS VIA ENGINEERED NEURO-GLIAL INTERACTIONS	14:00 - 14:00
<i>Speaker:</i> Shinheun Kim (Korea, Republic of)		
PS02-26PM-358	THE PARADOXAL ROLE OF ADENOSINE A2A RECEPTOR IN THE CONTROL OF SYNAPSE STABILIZATION AND ELIMINATION	14:00 - 14:00
<i>Speaker:</i> Sabine Lévi (France)		
PS02-26PM-359	LAVANDULA ANGUSTIFOLIA OR ASTROCYTES ALLEVIATE NICOTINE PLUS HIGH GLUCOSE-INDUCED INTRACELLULAR CA²⁺ ELEVATION IN NEURONS AND MICROGLIA	14:00 - 14:00
<i>Speaker:</i> Geun Hee Seol (Korea, Republic of)		
PS02-26PM-362	DEVELOPMENTAL ALTERATION OF ASTROCYTIC CA²⁺ SIGNALING MEDIATED BY METABOTROPIC GLUTAMATE RECEPTORS IN THE OLFACTORY BULB	14:00 - 14:00
<i>Speaker:</i> Fatemeh Mohammadpour (Germany)		
PS02-26PM-360	METABOLIC CROSS-TALK BETWEEN ASTROCYTES AND NEURONS: IMPLICATIONS FOR ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Alessandra Preziuso (Italy)		
PS02-26PM-363	ASTROCYTE NORADRENALINE A-1A RECEPTOR ACTIVATION INDUCES CHANGES TO INHIBITORY SYNAPTIC TRANSMISSION IN THE HIPPOCAMPUS AND REDUCES THE FREQUENCY OF PHARMACORESISTANT SPONTANEOUS SEIZURES	14:00 - 14:00
<i>Speaker:</i> Marcus Dyer (Belgium)		
PS02-26PM-364	PURINERGIC CALCIUM SIGNALING IN ASTROCYTES OF THE MOUSE MEDIAL PREFRONTAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Jennifer Bostel (Germany)		
PS02-26PM-365	DECIPHERING THE ASTROCYTIC CONTRIBUTION TO LEARNING AND RELEARNING	14:00 - 14:00
<i>Speaker:</i> Pietro Verzelli (Germany)		
PS02-26PM-366	INTRACELLULAR CA²⁺ SIGNAL IN HIPPOCAMPAL ASTROCYTES FROM WT AND A7KO MICE ALONG AGING	14:00 - 14:00
<i>Speaker:</i> Micaela Zonta (Italy)		
PS02-26PM-367	ASTROCYTES ACT AS DETECTORS OF SENSORY INPUT AND CALCIUM DEPENDENT REGULATORS OF EXPERIENCE DEPENDENT PLASTICITY IN CORTICAL NETWORKS	14:00 - 14:00
<i>Speaker:</i> Rheinallt Parri (United Kingdom)		
PS02-26PM-368	NOVEL PATHWAYS TRANSLATING ASTROCYTE-DERIVED SIGNALING INTO CELL FATE SPECIFICATION OF NEURAL PROGENITOR CELLS: RELEVANCE IN NEURODEVELOPMENT AND NEURODEGENERATION	14:00 - 14:00
<i>Speaker:</i> Mariagrazia Grilli (Italy)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Cannabinoid Neuroscience Research		
PS02-26PM-390	ACUTE, ULTRA-LOW DOSE DELTA-9-THC AMELIORATES AGE-RELATED COGNITIVE IMPAIRMENTS IN MICE	14:00 - 14:00
<i>Speaker:</i> Meitar Grad (Israel)		
PS02-26PM-391	THE IMPACT OF THC ON NEUROGENESIS AND STRESS RESPONSE: AN IN VITRO INVESTIGATION IN ASTROCYTES	14:00 - 14:00
<i>Speaker:</i> Tehila Cohen (Israel)		
PS02-26PM-392	DELTA9-TETRAHYDROCANNABINOL AND CANNABIDIOL MODULATE HIPPOCAMPAL GLUTAMATE DYNAMICS IN AN	14:00 - 14:00

ANIMAL MODEL OF ALZHEIMER'S DISEASE*Speaker:* Nuria Sánchez Fernández (Spain)

PS02-26PM-393 **THE EFFECT OF PHYTOCANNABINOIDS ON NEURONAL HUMAN KV7 CHANNELS AND THEIR UNDERLYING MECHANISMS** 14:00 - 14:00

Speaker: Michael Pökl (Sweden)

PS02-26PM-394 **CANNABIDIOL MODULATED COMPENSATION OF RADIATION INDUCED ALTERATIONS IN HIPPOCAMPAL SYNAPTIC PLASTICITY AND NEURONAL FUNCTION** 14:00 - 14:00

Speaker: Markus Ballmann (Germany)

PS02-26PM-395 **NEUROTOXICITY OF CUMYL-PINACA SYNTHETIC CANNABINOID: INVOLVEMENT OF MULTIPLE CANNABINOID RECEPTORS** 14:00 - 14:00

Speaker: Damijana Mojca Jurič (Slovenia)

PS02-26PM-396 **TARGETING THE DYSFUNCTIONAL ENDOCANNABINOID SYSTEM IN GULF WAR ILLNESS** 14:00 - 14:00

Speaker: Kwang-Mook Jung (United States)

PS02-26PM-397 **BRAIN-WIDE EFFECTS OF CANNABINOIDS, MEASURED BY FUNCTIONAL ULTRASOUND IMAGING, SHOW STRONG CORRELATION WITH CB1R ACTIVATION AND BEHAVIOR IN AWAKE MICE** 14:00 - 14:00

Speaker: Samuel Le Meur-Diebolt (France)

PS02-26PM-398 **DNA METHYLATION PATTERN CHANGES AFTER EXPOSURE TO DELTA-9-TETRAHYDROCANNABINOL (THC) IN HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS** 14:00 - 14:00

Speaker: Kerda Pulk (Estonia)

PS02-26PM-399 **SEVERAL PHYTOCANNABINOIDS INDUCE SEDATION IN RATS** 14:00 - 14:00

Speaker: Ieva Pocevicciute (Lithuania)

PS02-26PM-400 **CANNABIDIOL PREVENTION OF COGNITIVE DEFICITS IN A RAT MODEL FOR ALZHEIMER'S DISEASE IS ASSOCIATED WITH NEUROINFLAMMATION** 14:00 - 14:00

Speaker: Roni Shira Toledano (Israel)

PS02-26PM-401 **MODULATION OF AGEING MICE MICROGLIA FUNCTIONS DURING NEUROINFLAMMATION USING SYNTHETIC CANNABINOIDS** 14:00 - 14:00

Speaker: Akshay Kumar Vijaya (Lithuania)

PS02-26PM-402 **STRUCTURE-BASED DISCOVERY OF CANNABINOID ANALOGS WITH REDUCED ADVERSE EFFECTS** 14:00 - 14:00

Speaker: Yu-Ying Liao (China)

PS02-26PM-403 **EXPRESSION OF THE ENDOCANNABINOID SYSTEM IN THE VISUAL CORTEX: IMPLICATIONS FOR CANNABINOID RESEARCH** 14:00 - 14:00

Speaker: Catarina Micaelo Fernandes (Canada)*Poster Sessions*

14:00 - 17:30

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Poster Session 02 - Neural Network and Modelling

PS02-26PM-154 **SHORT AND LONG THOUGHTS: EXPRESSED BY A CORTEX WITH REGIONALLY DIFFERENT TIME SCALES** 14:00 - 14:00

Speaker: Anindita Basu (Italy)

PS02-26PM-155 **CONTINUOUS QUASI-ATTRACTORS THRIVE ON IRREGULARITY, UP TO A LIMIT** 14:00 - 14:00

Speaker: Alessandro Treves (Italy)

PS02-26PM-156	FADING MEMORY AS INDUCTIVE BIAS IN RESIDUAL RECURRENT NETWORKS	14:00 - 14:00
	<i>Speaker:</i> Igor Dubinin (Germany)	
PS02-26PM-157	HARMONIC OSCILLATOR NETWORKS (HORNS) AND THE FUNCTIONAL ROLE OF OSCILLATORY DYNAMICS IN NEOCORTICAL CIRCUITS	14:00 - 14:00
	<i>Speaker:</i> Felix Effenberger (Germany)	
PS02-26PM-158	REPRESENTATIONAL DRIFT WITHOUT SYNAPTIC PLASTICITY	14:00 - 14:00
	<i>Speaker:</i> Caroline Haimerl (Portugal)	
PS02-26PM-159	EXCITATION-INHIBITION BALANCE IN A MODEL OF PLASTIC COUPLED OSCILLATORS DETERMINES COLLECTIVE SYNCHRONIZATION AND CONNECTION FLUCTUATIONS	14:00 - 14:00
	<i>Speaker:</i> Satoshi Kuroki (Japan)	
PS02-26PM-160	ABRUPT TRANSITIONS INTERRUPT SLOW, ONGOING REPRESENTATIONAL DRIFT IN EXPERIMENT AND MODEL	14:00 - 14:00
	<i>Speaker:</i> Jens-Bastian Eppler (Goethe University Frankfurt, Department of Computer Science, Frankfurt Institute for Advanced Studies, Germany)	
PS02-26PM-161	A DYNAMIC ATTRACTOR NETWORK MODEL OF MEMORY CODING	14:00 - 14:00
	<i>Speaker:</i> Marta Boscaglia (United Kingdom)	
PS02-26PM-162	DISTRIBUTED MEMORY ENGRAMS UNDERLIE FLEXIBLE AND VERSATILE NEURAL REPRESENTATIONS	14:00 - 14:00
	<i>Speaker:</i> Douglas Feitosa Tomé (Austria)	
PS02-26PM-163	MEMORIES BY A THOUSAND RULES: META-LEARNING PLASTICITY RULES FOR MEMORY FORMATION AND RECALL IN LARGE SPIKING NETWORKS	14:00 - 14:00
	<i>Speaker:</i> Basile Confavreux (Austria)	
PS02-26PM-164	AMPLIFICATION ABOUNDS, BUT NOT WITHOUT A TOLL. THE TRADE-OFF BETWEEN STABILITY AND AMPLIFICATION IN DALEAN NETWORKS	14:00 - 14:00
	<i>Speaker:</i> Nicoleta Condruz (Austria)	
PS02-26PM-165	METABOLIC NEURAL CONSTRAINTS PROVIDE RESILIENCE TO NOISE IN FEED-FORWARD NETWORKS	14:00 - 14:00
	<i>Speaker:</i> Ivan Bulygin (Austria)	
PS02-26PM-166	HARMONIC OSCILLATOR RNNs: SINGLE NODE DYNAMICS, RESONANCE AND THE ROLE OF FEEDBACK CONNECTIONS	14:00 - 14:00
	<i>Speaker:</i> Pedro Romero Fragoso de Carvalho (Germany)	
PS02-26PM-167	CODEPENDENT PLASTICITY UNDERLIES CORTICAL MEMORY STRENGTHENING	14:00 - 14:00
	<i>Speaker:</i> Prakriti Parthasarathy (India)	
PS02-26PM-168	A GAME OF MEMORY: LEARNING IN SPIKING NETWORKS WITH PRESERVED WEIGHT DISTRIBUTIONS	14:00 - 14:00
	<i>Speaker:</i> Maayan Levy (Austria)	
PS02-26PM-169	REPRESENTATIONAL DRIFT FROM A POPULATION VIEW OF MEMORY CONSOLIDATION	14:00 - 14:00
	<i>Speaker:</i> Denis Alevi (Germany)	
PS02-26PM-170	BIOPHYSICAL BASIS OF ULTRAFAST POPULATION ENCODING	14:00 - 14:00
	<i>Speaker:</i> Andreas Neef (Germany)	
PS02-26PM-171	RATE OF REPRESENTATIONAL DRIFT CORRELATES WITH INFORMATION THEORETIC MEASURES OF NEURAL AND BEHAVIOURAL COUPLING	14:00 - 14:00
	<i>Speaker:</i> Kris Heiney (United Kingdom)	

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Poster Session 02 - Bayesian Inference in Sensory Processing

PS02-26PM-523 **EEG PATTERNS REFLECTING BAYESIAN INFERENCE DURING AUDITORY TEMPORAL DISCRIMINATION** 14:00 - 14:00

Speaker: Ulrich Pomper (Austria)

PS02-26PM-524 **EEG CORRELATES OF BAYESIAN INFERENCE IN AUDITORY SPATIAL LOCALIZATION IN CHANGING ENVIRONMENTS** 14:00 - 14:00

Speaker: Burcu Bayram (Austria)

PS02-26PM-525 **BAYESIAN PERCEPTUAL ADAPTATION IN AUDITORY MOTION PERCEPTION: A MULTIMODAL APPROACH WITH EEG AND PUPILLOMETRY** 14:00 - 14:00

Speaker: Roman Fleischmann (Austria)

PS02-26PM-526 **BAYESIAN INFERENCE DURING IMPLICIT PERCEPTUAL BELIEF UPDATING IN DYNAMIC AUDITORY PERCEPTION** 14:00 - 14:00

Speaker: Robert Baumgartner (Austria)

PS02-26PM-527 **DYNAMIC PERCEPTION IN VOLATILE ENVIRONMENTS: HOW RELEVANT IS THE PAST WHEN PREDICTING THE FUTURE?** 14:00 - 14:00

Speaker: David Meijer (Austria)

PS02-26PM-528 **SEEING WHAT YOU BELIEVE: NEUROPHYSIOLOGICAL MECHANISMS OF FLEXIBLE INTEGRATION OF PRIORS IN VISUAL DECISIONS** 14:00 - 14:00

Speaker: Gabriela Iwama (Germany)

PS02-26PM-529 **DISTINGUISHING INTEGRATION AND NON-INTEGRATION ACCOUNTS OF SEQUENTIAL SAMPLING IN PERCEPTUAL DECISION-MAKING** 14:00 - 14:00

Speaker: Hadiseh Hajimohammadi (Ireland)

PS02-26PM-530 **THE IMPACT OF WARNING CUES ON TARGET-DISCRIMINATING DECISIONS IN CONTINUOUS MONITORING SITUATIONS** 14:00 - 14:00

Speaker: Anna Geuzebroek (Ireland)

PS02-26PM-532 **PERCEPTUAL DECISION-MAKING AND SHORT-TERM PRIORS: EXPLORING THE ROLE OF PSYCHOSIS PRONENESS** 14:00 - 14:00

Speaker: Anna-Chiara Schaub (Switzerland)

PS02-26PM-533 **STOCHASTIC MODEL FOR THE OPTIMAL FUSION OF SOCIAL AND SENSORY INFORMATION IN TRANSPARENT INTERACTIONS** 14:00 - 14:00

Speaker: selma kouaiche (Germany)

Poster Sessions

14:00 - 17:30

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Poster Session 02 - Prefrontal Cortex Decision-Making

PS02-26PM-201 **VALUE GUIDED DECISION MAKING IN THE PREFRONTAL CORTEX** 14:00 - 14:00

Speaker: Dimitrios Mariatos Metaxas (Austria)

PS02-26PM-202 **ANATOMICAL AND FUNCTION DISSECTION OF ORBITOFRONTAL CORTEX NEURONS CONTRIBUTIONS TO DECISION CONFIDENCE** 14:00 - 14:00

Speaker: Paul Anderson (Austria)

PS02-26PM-203 **DYNAMICAL ADAPTATION OF NEURONAL ACTIVITY IN THE PREFRONTAL CORTEX DEPENDING ON DIFFERENT MOTIVATIONS BEHIND A CHOICE** 14:00 - 14:00

Speaker: Hugo Malagon-Vina (Austria)

PS02-26PM-204 **NEURONAL SIGNATURE OF COGNITIVE FLEXIBILITY IN THE** 14:00 - 14:00

PREFRONTAL-DORSAL RAPHE CIRCUIT*Speaker:* Claudia Espinoza (Austria)

PS02-26PM-205 **TRAINING A NONSTATIONARY RECURRENT NEURONAL NETWORK FOR INFERRING NEURONAL DYNAMICS DURING FLEXIBILITY IN A VALUE-BASED DECISION-MAKING** 14:00 - 14:00

Speaker: Cristian Estarellas Martin (Austria)

PS02-26PM-206 **JUXTACELLULAR RECORDING AND LABELING OF OPTOTAGGED ORBITOFRONTAL CORTEX INTERNEURONS IN FREELY-MOVING RATS PERFORMING A DECISION-MAKING TASK** 14:00 - 14:00

Speaker: Ricardo Martins Merino (Austria)

PS02-26PM-207 **ROLE OF THE ORBITOFRONTAL CORTEX IN DECISION MAKING UNDER RISK** 14:00 - 14:00

Speaker: Florence Pontais (France)

PS02-26PM-208 **THALAMOCORTICAL CONVERGENCE IN THE SECONDARY MOTOR CORTEX SUPPORTS ADAPTIVE DECISION-MAKING** 14:00 - 14:00

Speaker: Juan Manuel Dafaue Garcia (France)

PS02-26PM-209 **HIGHER-ORDER THALAMO-MOTOR CORTEX CIRCUIT SUPPORTS BEHAVIORAL FLEXIBILITY BY REINFORCING DECISION-VALUE** 14:00 - 14:00

Speaker: Margaux Giraudet (France)

PS02-26PM-210 **LONG-TERM DYNAMICS OF AMYGDALO-MOTOR CIRCUIT SUPPORT THE LEARNING OF INCENTIVE-MOTIVATED BEHAVIORS** 14:00 - 14:00

Speaker: Elisabete Augusto (France)

PS02-26PM-211 **IMPACT OF BARREL CORTEX LESIONS AND SENSORY DEPRIVATION ON PERCEPTUAL DECISION-MAKING: INSIGHTS FROM COMPUTER VISION AND TIME SERIES CLUSTERING OF FREELY MOVING BEHAVIORAL STRATEGIES** 14:00 - 14:00

Speaker: Léa Peltier (France)

PS02-26PM-212 **HIPPOCAMPAL, DORSAL STRIATAL, AND MEDIAL PREFRONTAL CORTICAL COMPUTATIONS DEPEND ON MAZE COMPLEXITY** 14:00 - 14:00

Speaker: Ugurcan Mugan (United States)

PS02-26PM-213 **NOVEL TWO-STEP DECISION-MAKING TASK FOR BELIEVE-STATE REPRESENTATIONS IN MICE** 14:00 - 14:00

Speaker: Sofia Castro e Almeida (Austria)

PS02-26PM-214 **PLANNING-RELATED ACTIVITY IN THE PRIMATE PREFRONTAL CORTEX AND STRIATUM DURING A BOARD GAME** 14:00 - 14:00

Speaker: Min-Yoon Park (United States)

PS02-26PM-215 **A NEURAL SUBSTRATE FOR ENCODING THE PROBABILITY OF SENSORY INPUTS** 14:00 - 14:00

Speaker: Tal Dalal (Israel)

PS02-26PM-216 **DECISION MAKING IN MICE IN THE INTERMITTENT REGIME OF OLFACTORY STIMULI** 14:00 - 14:00

Speaker: Luis Boero (United States)

PS02-26PM-217 **INVESTIGATING THE SYNAPTIC DYNAMICS OF ADAPTIVE BEHAVIOR IN THE MOUSE FRONTAL CORTEX** 14:00 - 14:00

Speaker: Ioanna Pandi (Greece)

PS02-26PM-218 **HOW DOES FRONTAL CORTEX IMPACT ON EXPLORATORY DECISION MAKING IN MONGOLIAN GERBILS? INSIGHTS FROM A PROBABILISTIC FORAGING PARADIGM** 14:00 - 14:00

Speaker: Parthiban Saravanakumar (Germany)

PS02-26PM-219 **FRONTAL THETA SIGNALS CONTEXTUAL SWITCHES DURING** 14:00 - 14:00

FLEXIBLE HUMAN TACTILE LEARNING*Speaker:* Rohan Rao (United Kingdom)

PS02-26PM-220 **DYNAMICAL UPDATE OF EMOTIONAL VALUE-BASED REPRESENTATIONS IN PREFRONTAL NETWORKS** 14:00 - 14:00

Speaker: Anass El Azraoui (France)

PS02-26PM-221 **DECISION STRATEGY ADAPTATION IS SUPPORTED BY SHIFTS IN DOPAMINERGIC RPE-MEDIATED CONTINGENCY REPRESENTATION** 14:00 - 14:00

Speaker: Maxime Come (France)

PS02-26PM-222 **INVESTIGATING PREFRONTAL-STRIATAL CIRCUIT DYNAMICS DURING FLEXIBLE DECISION-MAKING** 14:00 - 14:00

Speaker: Aron Koszeghy (Austria)

PS02-26PM-223 **DISTINCT HYPOTHALAMUS-HABENULA CIRCUITS GOVERN RISK PREFERENCE** 14:00 - 14:00

Speaker: Dominik Groos (Switzerland)

PS02-26PM-224 **NONLINEAR NEURAL CIRCUIT MODEL ACCOUNTS FOR NONHUMAN PRIMATES' CHOICE BEHAVIOUR AND LIP NEURONAL ACTIVITY IN PERCEPTUAL DECISIONS UNCOUPLED FROM MOTOR ACTIONS** 14:00 - 14:00

Speaker: Brendan Lenfesty (United Kingdom)

PS02-26PM-225 **DOPAMINERGIC COMPUTATION OF PREFERENCE MEASURES IN PROBABILISTIC DECISION MAKING** 14:00 - 14:00

Speaker: Mehrdad Salmasi (United Kingdom)

PS02-26PM-226 **EMERGING FRONTAL CORTICAL REPRESENTATIONS DURING REWARD LEARNING** 14:00 - 14:00

Speaker: Marko Tvrdic (United Kingdom)

PS02-26PM-227 **ORBITOFRONTAL CORTICAL CONTRIBUTIONS TO BEHAVIOURAL STRATEGIES DURING TACTILE REVERSAL LEARNING** 14:00 - 14:00

Speaker: Jasper Teutsch (United Kingdom)

PS02-26PM-228 **PERSISTENCE OF NEURAL TUNING DYNAMICS IN RAT ORBITOFRONTAL CORTEX ACROSS TWO DECISION-MAKING TASKS** 14:00 - 14:00

Speaker: Gregory Knoll (Germany)

PS02-26PM-229 **HOW VALUE REPRESENTATIONS ARE DISTRIBUTED ALONG THE PRIMATE BASAL GANGLIA CIRCUITS DURING DECISION-MAKING?** 14:00 - 14:00

Speaker: Milesa Simic (France)

PS02-26PM-230 **VIP-TO-SST INTERNEURON FEEDBACK LOOP GUIDES CORTICAL REINFORCEMENT LEARNING** 14:00 - 14:00

Speaker: Zoltán Szadai (Hungary)

PS02-26PM-231 **NEURAL SIGNATURES OF LEARNING AND EXPLOITING SENSORY STATISTICS IN A SOUND CATEGORISATION TASK IN RATS** 14:00 - 14:00

Speaker: Elena Menichini (United Kingdom)

PS02-26PM-232 **NEURAL DYNAMICS OF CHOICE BEHAVIOR: INFLUENCE OF PRIOR CHOICES ON BASAL GANGLIA-ANTEROLATERAL MOTOR CORTEX (ALM) CIRCUITRY AND OPTOGENETIC MODULATION OF THE INDIRECT PATHWAY** 14:00 - 14:00

Speaker: Maria Nunes (United States)

PS02-26PM-233 **DORSOLATERAL PREFRONTAL CORTEX NEURAL MODULATION DURING HEURISTIC BEHAVIOR IN A TWO LEVELS DECISION MAKING TASK IN MACAQUE MONKEYS** 14:00 - 14:00

Speaker: Sébastien Kirchherr (Italy)

PS02-26PM-234	SEARCHING FOR INPUT- OUTPUT CONNECTIVITY STREAMS IN THE VARIOUS SUBDIVISIONS OF MOUSE ORBITOFRONTAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Anushree Tripathi (Sweden)		
PS02-26PM-235	FLEXIBLE UPDATING AND USE OF VALUE AND STRUCTURE IN AN ODOUR SEQUENCE TASK	14:00 - 14:00
<i>Speaker:</i> David Orme (United Kingdom)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 02 - Adult Neurogenesis Dynamics		
PS02-26PM-269	SPATIO-TEMPORAL DYNAMICS OF STRIATAL ASTROCYTE NEUROGENIC ACTIVATION AFTER INJURY REVEAL WIDESPREAD POTENTIAL BEYOND KNOWN NICHES	14:00 - 14:00
<i>Speaker:</i> Marco Fogli (Italy)		
PS02-26PM-270	ASTROCYTE-GENERATED NEURONS FUNCTIONALLY INTEGRATE INTO THE LESIONED STRIATUM	14:00 - 14:00
<i>Speaker:</i> Giulia Nato (Italy)		
PS02-26PM-271	LESION INDUCED NEUROBLASTS IN THE STRIATUM ARE LGE-CLASS INTERNEURONS AND ARE NOT FATED TOWARDS ADULT STRIATAL NEURON CELL TYPES	14:00 - 14:00
<i>Speaker:</i> Federico Luzzati (Italy)		
PS02-26PM-272	CHARACTERIZATION OF ADULT NEUROGENESIS IN ACOMYS CAHIRINUS BY LINEAGE TRACING ANALYSIS	14:00 - 14:00
<i>Speaker:</i> Inês Araújo (Portugal)		
PS02-26PM-273	DENTATE GRANULE CELL NEUROGENESIS IN ADULT MICE FOLLOWING DENERVATION IN THE ENTORHINAL CORTEX LESION MODEL	14:00 - 14:00
<i>Speaker:</i> Fran Božić (Croatia)		
PS02-26PM-274	ARE THE MATURATION RATES OF ADULT-BORN HIPPOCAMPAL AND CORTICAL NEURONS DIFFERENT?	14:00 - 14:00
<i>Speaker:</i> Bruno Benedetti (Austria)		
PS02-26PM-275	ADULT HIPPOCAMPAL NEUROGENESIS, THE POST-MORTEM DELAY, AND PROLONGED ALDEHYDE FIXATION: THE ENEMIES WITHIN	14:00 - 14:00
<i>Speaker:</i> Marta Gallardo Caballero (Spain)		
PS02-26PM-277	IMMUNOHISTOCHEMICAL CHARACTERIZATION OF THE DEVELOPING NAKED MOLE RAT BRAIN	14:00 - 14:00
<i>Speaker:</i> Niamh Carr (Germany)		
PS02-26PM-278	STUDYING THE EFFECT OF FOSFOMYCIN ON HIPPOCAMPAL NEUROGENESIS IN ADULT RATS	14:00 - 14:00
<i>Speaker:</i> Wassim Abou-Kheir (Lebanon)		
PS02-26PM-279	IDENTIFICATION OF NEURAL PROGENITOR CELL-LIKE IN LATERAL VENTRICLE OF MOUSE EARLY EMBRYO	14:00 - 14:00
<i>Speaker:</i> Suk Hyung Kim (Korea, Republic of)		
PS02-26PM-280	NON-DIVIDING "IMMATURE" NEURONS IN SUBCORTICAL BRAIN REGIONS OF MAMMALS DISPLAY PHYLOGENETIC VARIATION WITH CLEAR PREVALENCE IN PRIMATES	14:00 - 14:00
<i>Speaker:</i> Marco Ghibaudi (Italy)		
PS02-26PM-281	NEUROBLAST CHAINS IN THE JUVENILE SWINE VENTRICULAR-SUBVENTRICULAR ZONE ARE SPATIALLY ORGANIZED INTO DISTINCT CELLULAR LAYERS AND MIGRATE TOWARDS THE	14:00 - 14:00

OLFACTORY BULB*Speaker:* Lucía Inés Torrijos Saiz (Spain)

PS02-26PM-282 **VASCULAR DEVELOPMENT OF FETAL AND POSTNATAL NEOCORTEX OF THE PIG, THE EUROPEAN WILD BOAR *SUS SCROFA*.** 14:00 - 14:00

Speaker: Eric Sobierajski (Germany)

PS02-26PM-283 **THE ROLE OF TENASCIN C IN THE BIOMOLECULAR AND CELLULAR COMPOSITION OF ADULT SUBGRANULAR ZONE** 14:00 - 14:00

Speaker: Milena Tucić (Serbia)

PS02-26PM-284 **THE CONTROL OF STEM CELL QUIESCENCE IN EARLY POSTNATAL DENTATE GYRUS IS ESSENTIAL FOR ESTABLISHING LONG-LASTING ADULT HIPPOCAMPAL NEUROGENESIS** 14:00 - 14:00

Speaker: Paula Tirado Melendro (Spain)

PS02-26PM-285 **ADULT NEUROGENESIS IN THE *DROSOPHILA* OLFACTORY SYSTEM** 14:00 - 14:00

Speaker: Ismael Fernández-Hernández (Germany)

PS02-26PM-286 **INVESTIGATING THE EFFECT OF MEROPENEM ON NEUROGENESIS IN ADULT RATS** 14:00 - 14:00

Speaker: Maram Chaaban (Lebanon)

PS02-26PM-287 **POSSIBLE ROLE OF NKCC1 IN THE PROLIFERATION OF HIPPOCAMPAL NEURAL STEM CELLS DURING ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Silke Keiner (Germany)*Open Theatre (OT)*

14:15 - 14:45

OT

OT03 - FENS CARE - Exploring the necessity of animal experiments*Open Theatre (OT)*

15:00 - 15:30

OT

OT04 - Tianqiao and Chrissy Chen Institute - Advancing Brain Research*Scientific Symposia (S)*

15:45 - 17:15

A

S09 - All-optical techniques for measuring and stimulating neuronal networks during naturalistic behaviour*Chair:* Gergely Szalay (Institute of Experimental Medicine, Hungary)**Introduction**

15:45 - 15:47

In vivo 2P imaging of activity during embryonic development to study cortical circuits in neocortex

15:47 - 16:05

Speaker: Botond Roska (Institute of Molecular and Clinical Ophthalmology Basel (IOB), Switzerland)**Q&A**

16:05 - 16:09

Hippocampal network dynamics identified in health and disease

16:09 - 16:27

Speaker: Attila Losonczy (Losonczy Lab, Zuckerman Institute, Columbia University, United States)**Q&A**

16:27 - 16:31

Imaging neuronal networks underlying hemodynamic signals across scales and measurement modalities

16:31 - 16:49

Speaker: Bradley Rauscher (Boston University Neurophotonics Center, United States)**Q&A**

16:49 - 16:53

Competition of cortical assemblies during on-demand visual learning in immersive virtual reality	16:53 - 17:11
<i>Speaker:</i> Balázs Rózsa (Institute of Experimental Medicine & BrainVisionCenter, Hungary)	
Q&A	17:11 - 17:15
<i>Scientific Symposia (S)</i>	
15:45 - 17:15	B
S10 - Neural mechanisms underlying spatial navigation and spatial memory across species	
<i>Chair:</i> Lukas Kunz (University Hospital Bonn, Germany)	
Introduction	15:45 - 15:47
Building a sense of direction in a 3D world	15:47 - 16:05
<i>Speaker:</i> Kate Jeffery (University of Glasgow, United Kingdom)	
Q&A	16:05 - 16:09
Spatial representation in bat entorhinal cortex: from 3D grid cells to coding of position by action	16:09 - 16:27
<i>Speaker:</i> Gily Ginosar (Weizmann Institute of Science, Israel)	
Q&A	16:27 - 16:31
Using food-caching birds to study the neuroscience of episodic memory	16:31 - 16:49
<i>Speaker:</i> Dmitriy Aronov (Columbia University, United States)	
Q&A	16:49 - 16:53
Single-neuron representations of space in the human medial temporal lobe	16:53 - 17:11
<i>Speaker:</i> Lukas Kunz (University Hospital Bonn, Germany)	
Q&A	17:11 - 17:15
<i>Scientific Symposia (S)</i>	
15:45 - 17:15	C
S11 - Dynamic coupling of neural signals - causative or epiphenomenal?	
<i>Chair:</i> Andreas Karl Engel (Dept. of Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Germany)	
<i>Chair:</i> Sabine Kastner (Princeton University, United States)	
Introduction	15:45 - 15:47
Causal role(s) of intrinsic coupling modes	15:47 - 16:05
<i>Speaker:</i> Andreas Karl Engel (Dept. of Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Germany)	
Q&A	16:05 - 16:09
Neural rhythms in the primate attention network predict visual detection behavior	16:09 - 16:27
<i>Speaker:</i> Sabine Kastner (Princeton University, United States)	
Q&A	16:27 - 16:31
Causal contribution of neuron-to-neuron functional connectivity to perception and decision making	16:31 - 16:49
<i>Speaker:</i> Giulio Bondanelli (Istituto Italiano di Tecnologia (IIT), Italy)	
Q&A	16:49 - 16:53

Rhythms for cognition: dynamic functional connectivity is causative!	16:53 - 17:11
<i>Speaker:</i> Pascal Fries (Max Planck Society, Germany)	
Q&A	17:11 - 17:15
 <i>Scientific Symposia (S)</i>	
15:45 - 17:15	D
S12 - Finesse in motion: Sensorimotor control in creatures great and small	
<i>Chair:</i> Jonathan Whitlock (Kavli Institute for Systems Neuroscience, Norwegian University of Science and Technology, Norway)	
<i>Chair:</i> Bing Brunton (University of Washington, Seattle, United States)	
Introduction	15:45 - 15:47
Sensorimotor delays constrain robust locomotion in a 3D kinematic model of fly walking	15:47 - 16:05
<i>Speaker:</i> Bing Brunton (University of Washington, Seattle, United States)	
Q&A	16:05 - 16:09
Sensorimotor circuits for dexterous movements in mice	16:09 - 16:27
<i>Speaker:</i> Eiman Azim (Salk Institute for Biological Studies, United States)	
Q&A	16:27 - 16:31
Cortical integration of body posture and the vibrissae in freely exploring rats	16:31 - 16:49
<i>Speaker:</i> Jonathan Whitlock (Kavli Institute for Systems Neuroscience, Norwegian University of Science and Technology, Norway)	
Q&A	16:49 - 16:53
Planning under uncertainty uncovers a functional gradient in frontal cortex	16:53 - 17:11
<i>Speaker:</i> Juan Gallego (Imperial College London, United Kingdom)	
Q&A	17:11 - 17:15
 <i>Scientific Symposia (S)</i>	
15:45 - 17:15	E
S13 - State-dependent changes in the brain and behaviour	
<i>Chair:</i> Anna Levina (University of Tübingen, Germany)	
<i>Chair:</i> Viola Priesemann (Max-Planck-Institute for Dynamics and Self-Organization, Germany)	
Introduction	15:45 - 15:47
How connectivity shapes dynamical states for computation	15:47 - 16:05
<i>Speaker:</i> Anna Levina (University of Tübingen, Germany)	
Q&A	16:05 - 16:09
Neural mechanisms that generate persistent behavioral states in <i>C. elegans</i>	16:09 - 16:27
<i>Speaker:</i> Steven Flavell (Massachusetts Institute of Technology, United States)	
Q&A	16:27 - 16:31
State-dependent dynamics of spatial cognitive maps in larval zebrafish	16:31 - 16:49
<i>Speaker:</i> Jennifer Li (Max Planck Institute for Biological Cybernetics, Germany)	
Q&A	16:49 - 16:53

Integrated and segregated collective states in neural networks	16:53 - 17:11
<i>Speaker:</i> Viola Priesemann (Max-Planck-Institute for Dynamics and Self-Organization, Germany)	
Q&A	17:11 - 17:15
 <i>Scientific Symposia (S)</i>	
15:45 - 17:15	F
S14 - Nanobodies as novel therapeutic agents for brain diseases	
<i>Chair:</i> Julie Le Merrer (iBrain U1253, Université de Tours, Inserm, CNRS, France)	
<i>Chair:</i> Philippe Rondard (Institut de Génomique Fonctionnelle, Université de Montpellier, CNRS, Inserm, France)	
Introduction	15:45 - 15:47
Nanobodies as sensors and modulators of opioid receptor activity	15:47 - 16:05
<i>Speaker:</i> Miriam Stoeber (University of Geneva, Faculty of Medicine, Switzerland)	
Q&A	16:05 - 16:09
Targeting metabotropic glycine receptor with nanobodies as an anti-depressant strategy	16:09 - 16:27
<i>Speaker:</i> Kirill Martemyanov (UF Scripps Biomedical Research, University of Florida, United States)	
Q&A	16:27 - 16:31
A2A receptor-targeting nanobodies to relieve autistic-like behavior in mice	16:31 - 16:49
<i>Speaker:</i> Julie Le Merrer (iBrain U1253, Université de Tours, Inserm, CNRS, France)	
Q&A	16:49 - 16:53
A mGlu2 receptor nanobody rescues behavioral deficits in pre-clinical models of schizophrenia	16:53 - 17:11
<i>Speaker:</i> Philippe Rondard (Institut de Génomique Fonctionnelle, Université de Montpellier, CNRS, Inserm, France)	
Q&A	17:11 - 17:15
 <i>Scientific Symposia (S)</i>	
15:45 - 17:15	G
S15 - Neuronal ensembles and engrams regulating alcohol- and drug-seeking	
<i>Chair:</i> Bruce Hope (National Institute on Drug Abuse, NIH, United States)	
Introduction	15:45 - 15:47
Role of the epigenetic enzyme EZH2 in compulsive alcohol intake	15:47 - 16:05
<i>Speaker:</i> Estelle Barbier (Linköping University, Sweden)	
Q&A	16:05 - 16:09
Transcriptomics of cocaine relapse ensembles identified by CaMPARI or Fos-mRFP in rat mPFC	16:09 - 16:27
<i>Speaker:</i> Bruce Hope (National Institute on Drug Abuse, NIH, United States)	
Q&A	16:27 - 16:31
Glucocorticoid regulation of GABA signaling in the central amygdala in alcohol use disorder	16:31 - 16:49
<i>Speaker:</i> Sophia Khom (University of Vienna, Austria)	
Q&A	16:49 - 16:53
Neuronal ensembles regulating opioid-motivated approach and avoidance behavior	16:53 - 17:11
<i>Speaker:</i> Hermina Nedelescu (The Scripps Research Institute, United States)	

Q&A	17:11 - 17:15	
<i>Scientific Symposia (S)</i>		
15:45 - 17:15		H
S16 - Mitochondria: Key Players in Neuronal Function and Physiopathology of Neurological Disease		
<i>Chair:</i> Silvia De Marchis (Department of Life Sciences and Systems Biology & Neuroscience Institute Cavalieri Ottolenghi - University of Turin, Italy)		
<i>Chair:</i> Michèle Studer (Institute of Biology Valrose, iBV Centre de Biochimie Univ. Côte d'Azur (UCA) CNRS 7277-Inserm, France)		
Introduction	15:45 - 15:47	
Role of mitochondrial dynamics in new neuron synaptic plasticity	15:47 - 16:05	
<i>Speaker:</i> Matteo Bergami (University Hospital Cologne, Germany)		
Q&A	16:05 - 16:09	
Nr2f1 and Mitochondrial Shaping in the physiopathology of the neurodevelopmental disorder BBSOAS	16:09 - 16:27	
<i>Speaker:</i> Sara Bonzano (University of Turin, Italy)		
Q&A	16:27 - 16:31	
Mitochondrial stress activates neuron-specific transcriptional reprogramming and regulates neuronal function in Drosophila	16:31 - 16:49	
<i>Speaker:</i> Joseph Bateman (King's College London, United Kingdom)		
Q&A	16:49 - 16:53	
CHCHD10-related mitochondrial dysfunction in neuronal death : from gene to therapeutic approaches	16:53 - 17:11	
<i>Speaker:</i> Veronique Paquis-Flucklinger (IRCAN, UMR 7284/INSERM U1081/UCA, Nice Côte d'Azur University, France)		
Q&A	17:11 - 17:15	
<i>Award Ceremony (AC)</i>		
17:15 - 17:30		A
AC01 - Peter Seeburg Integrative Neuroscience Prize Ceremony		
<i>Plenary Lecture (PL)</i>		
17:30 - 18:30		A
PL03 - Plenary Lecture, Kay Tye (US)		
Introduction	17:30 - 17:35	
Lecture and Q&A - Neural mechanisms of social homeostasis	17:35 - 18:30	
<i>Speaker:</i> Kay Tye (Howard Hughes Medical Institute, The Salk Institute, La Jolla, CA, USA, United States)		
<i>Networking Events (NE)</i>		
18:45 - 20:15		E
NE07 - The 10-Year anniversary of the FENS-Kavli Network (FKNE): A decade of changing neuroscience		
<i>Networking Events (NE)</i>		
18:45 - 20:15		F
NE08 - Collaboration Call - Infrastructure and community for preclinical systematic reviews in neuroscience		
Programme	18:45 - 18:45	

Speakers

18:45 - 18:45

Speaker: Sarah McCann (Germany)
Speaker: Ralf Watzlawick (Germany)
Speaker: Emma Wilson (United Kingdom)
Speaker: Alexandra Bannach-Brown (Germany)
Speaker: Friederike E. Kohrs (Germany)

Networking Events (NE)

18:45 - 20:15

H

NE09 - Meet EBRAINS Research Infrastructure: The digital state-of-the-art ecosystem for neuroscience**Programme**

18:45 - 18:45

Speakers

18:45 - 18:45

Speaker: Philippe Vernier (France)
Speaker: Wouter Klijn (Germany)
Speaker: Maja Amedjkouh Puchades (Norway)
Speaker: Judith Katrein (Austria)

Networking Events (NE)

18:45 - 20:15

RT

NE10 - Wellcome/FENS Forum: Bridging the gap - a mental health networking event**Speakers**

18:45 - 18:45

Speaker: Saz Ahmed (United Kingdom)
Speaker: Grace Gatera (Rwanda)
Speaker: Catherine Sebastian (United Kingdom)

Thursday, 27 June 2024*Plenary Lecture (PL)*

08:30 - 09:30

A

PL04 - Plenary Lecture, Malin Parmar (SE)**Introduction**

08:30 - 08:35

Lecture and Q&A - Developing stem cell therapy for Parkinson's Disease: the interplay of translational and experimental studies

08:35 - 09:30

Speaker: Malin Parmar (Lund University, Sweden)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 03 - Sensory-Motor IntegrationPS03-27AM-462 **MULTISENSORY STIMULATION IMPROVES TARGET TRACKING IN ZEBRAFISH DURING RHEOTAXIS**

09:30 - 09:30

Speaker: Sevval Izel Solmaz (Turkey)PS03-27AM-463 **A FISH-IN-THE-LOOP SYSTEM TO STUDY THE UNDERLYING MECHANISMS OF ACTIVE SENSING**

09:30 - 09:30

Speaker: Emin Yusuf AYDIN (Turkey)PS03-27AM-464 **LOCALIZATION OF WEAKLY ELECTRIC FISH USING ELECTRIC FIELD RECORDINGS AND ANNS**

09:30 - 09:30

Speaker: Baris Yuksekkaya (Turkey)PS03-27AM-465 **EXAMINING MULTISENSORY INTEGRATION IN WEAKLY ELECTRIC FISH THROUGH MANIPULATING SENSORY SALIENCE**

09:30 - 09:30

Speaker: Emine Ceren Rutbil (Turkey)PS03-27AM-466 **A NOVEL MULTISENSORY STIMULATION SETUP FOR REFUGE TRACKING IN WEAKLY ELECTRIC FISH**

09:30 - 09:30

Speaker: Alp Demirel (Turkey)PS03-27AM-467 **CROSS-VALIDATION UNDER DIFFERENT SENSORY CONDITIONS REVEALS THE PRACTICAL VALIDITY OF THE MVUE MODEL**

09:30 - 09:30

Speaker: Fatmagul Ibisoglu (Turkey)PS03-27AM-468 **EMBEDDING SOFT STRETCHABLE SENSORS FOR PRECISE MECHANICAL STIMULATION AND BEYOND**

09:30 - 09:30

Speaker: Şölen KUMBAY YILDIZ (Turkey)PS03-27AM-469 **ADVANCING MECHANOTRANSDUCTION RESEARCH: DEVELOPMENT AND EVALUATION OF AN AFFORDABLE MEMBRANE-BASED CELL STRETCHING DEVICE**

09:30 - 09:30

Speaker: Pervin Rukiye Dincer (Turkey)PS03-27AM-470 **VISUOMOTOR CONTROL IN VIRTUALLY SWIMMING DANIONELLA LARVAE**

09:30 - 09:30

Speaker: Leonardo Demarchi (France)PS03-27AM-471 **LOCOMOTOR MATURATION DURING EARLY DEVELOPMENT IN A SMALL VERTEBRATE**

09:30 - 09:30

Speaker: Monica Coraggioso (France)PS03-27AM-472 **UNTANGLING THE CONNECTIONS BETWEEN THE HEART AND BRAIN IN LARVAL ZEBRAFISH**

09:30 - 09:30

Speaker: Kristian Herrera (United States)PS03-27AM-473 **SENSORY CHANNELS OF CARDIAC INTERCEPTION**

09:30 - 09:30

Speaker: Nikolai Hoermann (United States)

PS03-27AM-474	VISUOMOTOR MISMATCH-DRIVEN SHORT TERM BEHAVIORAL ADAPTATION IN LARVAL ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Amey Shenoy (Germany)		
PS03-27AM-475	A BEHAVIORAL SETUP FOR CAPTURING FINE GRAINED COORDINATED 3D MOVEMENTS OF ZEBRAFISH LARVAE	09:30 - 09:30
<i>Speaker:</i> Katharina Koetter (Germany)		
PS03-27AM-476	SENSORIMOTOR REPRESENTATIONS OF STIMULUS VELOCITY IN LARVAL ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Ot Prat (Germany)		
PS03-27AM-477	DISTINCT AND ASYMMETRIC RESPONSES TO PITCH-TILT AXIS AND ROLL-TILT AXIS VESTIBULAR STIMULATION IN LARVAL ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Sharbatanu Chatterjee (France)		
PS03-27AM-478	THE ROLE OF MOTOR VAGUS NERVE FOR CARDIAC AND GILL VASOCONSTRICTION CONTROL IN LARVAL ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Aysenur Akbulut (United States)		
PS03-27AM-479	CILIA-MEDIATED CEREBROSPINAL FLUID FLOW MODULATES NEURONAL AND ASTROGLIAL ACTIVITY IN THE ZEBRAFISH LARVAL BRAIN	09:30 - 09:30
<i>Speaker:</i> Percival Paul D'Gama (Norway)		
PS03-27AM-480	SENSORY SOMATOTOPY OF FLOW STIMULI IN A SENSORY INTEGRATION CENTER IN THE ZEBRAFISH HINDBRAIN	09:30 - 09:30
<i>Speaker:</i> Elias Lunsford (France)		
PS03-27AM-481	SENSORIMOTOR INTEGRATION IN THE ZEBRAFISH INFERIOR OLIVE DURING MOTOR ADAPTATION	09:30 - 09:30
<i>Speaker:</i> Pierce Mullen (United Kingdom)		
PS03-27AM-482	CUTTLEFISH COMMUNICATE WITH ARM WAVE SIGNS PERCEIVED BY MECHANORECEPTION IN THE LATERAL LINES	09:30 - 09:30
<i>Speaker:</i> Sophie Cohen Bodenes (France)		
PS03-27AM-483	THE IMPACT OF CEREBROSPINAL FLUID FLOW ON THE BRAIN METABOLOMIC LANDSCAPE AND ANIMAL BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Mert Ege (Norway)		
PS03-27AM-484	SILIFISH 3.0: A SOFTWARE TOOL TO MODEL SWIMMING BEHAVIOR AND ITS APPLICATION FOR MODELING SWIMMING SPEED MICROCIRCUITS IN LARVAL ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Emine Topcu (Canada)		
PS03-27AM-485	A CHEMOSENSORY ROLE OF CEREBROSPINAL FLUID (CSF)-CONTACTING NEURONS IN DETECTING AND RESPONDING TO PATHOLOGICAL CHANGES IN CEREBROSPINAL FLUID	09:30 - 09:30
<i>Speaker:</i> Feng QUAN (France)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Astrocyte Functional Diversity		
PS03-27AM-376	FUNCTIONAL HETEROGENEITY OF ASTROCYTES IN THE SOMATOSENSORY CORTEX AND ITS ROLE IN THE PROCESSING OF DIFFERENT SENSORY MODALITIES	09:30 - 09:30
<i>Speaker:</i> Andrea Misol Ortiz (Spain)		
PS03-27AM-377	ASTROCYTE ACTIVITY TRIGGERS ADAPTIVE MYELIN PLASTICITY AND INCREASED NEURONAL EXCITABILITY IN THE SOMATOSENSORY CORTEX FOLLOWING SENSORY DEPRIVATION	09:30 - 09:30
<i>Speaker:</i> Marina Sánchez-Petidier (Spain)		

PS03-27AM-378	NEURONAL CONNECTIVITY AND FUNCTIONAL RECOVERY OF RATS WITH SPINAL CORD INJURY IMPLANTED WITH MAGNETIC COLLAGEN HYDROGELS	09:30 - 09:30
	<i>Speaker:</i> Verónica Barranco Maresca (Spain)	
PS03-27AM-379	STUDYING ASTROCYTE BIOLOGY IN INTACT HUMAN CORTICAL TISSUE: INSIGHTS FROM WHOLE-CELL PATCH CLAMP AND 2-PHOTON IMAGING	09:30 - 09:30
	<i>Speaker:</i> Thomas Jensen (United Kingdom)	
PS03-27AM-380	CATCHING ASTROCYTE ENSEMBLES: ASTROCYTIC ENSEMBLES CONTROL CUE-MOTIVATED BEHAVIOR	09:30 - 09:30
	<i>Speaker:</i> Irene Serra (Spain)	
PS03-27AM-381	ASTROCYTE DIVERSITY ACROSS MAMMALS: A COMPARATIVE ANALYSIS ON DISTRIBUTION AND SINGLE CELL MORPHOLOGY	09:30 - 09:30
	<i>Speaker:</i> Caterina Ciani (Italy)	
PS03-27AM-382	DEVELOPING AN ASTROCYTIC CALCIUM IMAGING PIPELINE FOR COMPOUND SCREENING	09:30 - 09:30
	<i>Speaker:</i> Jeremy Krohn (Germany)	
PS03-27AM-383	THE MOLECULAR SIGNATURE OF ASTROCYTES IN A SENSORY DEPRIVATION MODEL	09:30 - 09:30
	<i>Speaker:</i> Despoina Binou (Germany)	
PS03-27AM-384	AN EXTRACORTICAL SOURCE OF CORTICAL ASTROCYTES IN THE DEVELOPING MOUSE BRAIN	09:30 - 09:30
	<i>Speaker:</i> Dorine THOBOIS (France)	
PS03-27AM-385	NOVEL ASTROCYTIC TRANSLATOME ISOLATION PIPELINE UNCOVERS REGIONAL AND SEX-SPECIFIC DIFFERENCES IN MOUSE BRAIN CORTEX	09:30 - 09:30
	<i>Speaker:</i> Vsevolod Treshin (Germany)	
PS03-27AM-386	ASTROCYTIC CALCIUM RESPONSE TO LOCOMOTION IN MOUSE SOMATOSENSORY CORTEX: HETEROGENEITY, REPRODUCIBILITY, AND SUBCELLULAR INTEGRATION	09:30 - 09:30
	<i>Speaker:</i> Anna Fedotova (Russian Federation)	
PS03-27AM-387	REGIONAL AND SUBREGIONAL HETEROGENEITY OF ASTROCYTE SIGNALING IN BRAIN METABOLIC NUCLEUS	09:30 - 09:30
	<i>Speaker:</i> Clara Franco (France)	
PS03-27AM-388	EXPLORING BIOPHYSICAL AND BIOCHEMICAL MECHANISMS OF NEURON-ASTROCYTE NETWORK MODELS	09:30 - 09:30
	<i>Speaker:</i> Tiina Manninen (Finland)	
PS03-27AM-389	STRUCTURE AND INTERACTIONS OF GLIAL CELLS AND NEURONS IN A BASAL GANGLIA CONNECTOME	09:30 - 09:30
	<i>Speaker:</i> Delta Schick (Germany)	
PS03-27AM-390	UNVEILING ASTROCYTE COMPLEXITY: CALCIUM SIGNALING DYNAMICS AND MORPHOLOGICAL HETEROGENEITY	09:30 - 09:30
	<i>Speaker:</i> Kerstin Lenk (Austria)	
PS03-27AM-391	ASTROCYTE-ORIGINATED CONNECTION MAPPING OF PRESYNAPTIC NEURONS USING THE RABIES VIRUS TRACER	09:30 - 09:30
	<i>Speaker:</i> Yoshiki Hatashita (Japan)	
PS03-27AM-392	ASTROCYTES' GRASP ON THE BRAIN	09:30 - 09:30
	<i>Speaker:</i> Janosch Heller (Ireland)	
PS03-27AM-393	CHARACTERIZATION OF CNS-LNC IN PRIMARY MOUSE ASTROCYTE	09:30 - 09:30
	<i>Speaker:</i> Uğur Coşkun (Germany)	

PS03-27AM-394	TRANSCRIPTIONAL CO-DEVELOPMENT IN HUMAN IPSC-DERIVED ASTROCYTES AND NEURONS	09:30 - 09:30
<i>Speaker:</i> Maurits Unkel (Netherlands)		
PS03-27AM-395	A SINGLE CELL ATLAS TO UNVEIL THE DIVERSITY OF MOUSE CEREBELLAR ASTROCYTES: INSIGHTS INTO THEIR MOLECULAR IDENTITIES, DEVELOPMENT, AND FUNCTIONS	09:30 - 09:30
<i>Speaker:</i> Annalisa Buffo (Italy)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Hippocampal Interneuron Dynamics		
PS03-27AM-001	INHIBITORY DETERMINANTS OF MEMORY REACTIVATION IN THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Andrea Gallardo Molina (Spain)		
PS03-27AM-002	AUTOMATIC CLASSIFICATION OF THE HIPPOCAMPAL NEURONAL DIVERSITY FROM LARGE-SCALE EXTRACELLULAR RECORDINGS	09:30 - 09:30
<i>Speaker:</i> Pablo Abad Pérez (Spain)		
PS03-27AM-003	REPRESENTATION OF SPATIAL CONTEXT OVER TIME BY INTERNEURONS IN THE DENTATE GYRUS	09:30 - 09:30
<i>Speaker:</i> Aurore Cazala (Germany)		
PS03-27AM-004	SLOW EMERGENCE OF LONG-TERM STABLE SPATIAL CODES IN THE MOUSE DENTATE GYRUS	09:30 - 09:30
<i>Speaker:</i> Antje Kilius (Germany)		
PS03-27AM-005	CONTRIBUTION OF MEC LAYER II CELLS TO DG GRANULE CELLS' SPATIAL ACTIVITY REVEALED BY TRANSGENIC CHEMOGENETIC MANIPULATION	09:30 - 09:30
<i>Speaker:</i> Thibault Cholvin (Germany)		
PS03-27AM-006	MORPHOLOGICAL AND FUNCTIONAL CHARACTERISTICS OF NDNF EXPRESSING INTERNEURONS IN THE MOUSE DENTATE GYRUS	09:30 - 09:30
<i>Speaker:</i> Federico Torelli (Germany)		
PS03-27AM-007	CELL-TYPE SPECIFIC ACTIONS OF NOGO-A IN CONTROLLING SPATIAL MEMORY FORMATION BY MODULATING NEURONAL EXCITABILITY	09:30 - 09:30
<i>Speaker:</i> Jan Flechtner (Germany)		
PS03-27AM-008	NOGO-A REGULATES FEAR MEMORY PROCESSES AND MEMORY ENGRAM FORMATION BY MODULATING NEURONAL EXCITABILITY IN A SEX SPECIFIC MANNER	09:30 - 09:30
<i>Speaker:</i> Sebastian Stork (Germany)		
PS03-27AM-009	ENVIRONMENTAL ENRICHMENT INCREASES LATERAL INHIBITION IN THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Stylianos Kouvaros (Switzerland)		
PS03-27AM-010	ENVIRONMENTAL ENRICHMENT PROMOTES SPARSE CODING IN HIPPOCAMPUS VIA INCREASED DENDRITIC INHIBITION	09:30 - 09:30
<i>Speaker:</i> Ekaterina Verdiyana (Switzerland)		
PS03-27AM-011	INHIBITORY SYNAPTIC REMODELING OF HIPPOCAMPAL ENGRAM NEURONS DURING EPISODIC MEMORY CONSOLIDATION	09:30 - 09:30
<i>Speaker:</i> Andrin Abegg (Switzerland)		
PS03-27AM-012	NEUROPEPTIDE Y EFFECTS ON HIPPOCAMPAL NETWORK OSCILLATIONS IN VITRO	09:30 - 09:30
<i>Speaker:</i> Evangelia Pollali (Germany)		

PS03-27AM-013	OPTOGENETICALLY DE-ENERGIZED MITOCHONDRIA OF PARVALBUMIN-POSITIVE INTERNEURONS IMPAIR SPATIAL PROPERTIES WITHIN THE CA1 REGION OF THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Rina Patel (Germany)		
PS03-27AM-014	IMPACT OF HIPPOCAMPAL PARVALBUMIN INTERNEURONS ON MEMORY IMPAIRMENT IN RAT MODELS OF PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Ljiljana Radovanovic (Serbia)		
PS03-27AM-015	GPR50 REGULATES SOCIAL MEMORY FORMATION	09:30 - 09:30
<i>Speaker:</i> Yan-Yun Sun (China)		
PS03-27AM-016	OLM CELLS EXPRESSING CHRNA2 EXHIBIT DIFFERENTIAL INNERVATION PATTERNS ALONG THE DORSOVENTRAL AXIS OF THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Angelica Thulin (Sweden)		
PS03-27AM-017	ROLE OF MTORC1 ON PREFRONTAL INHIBITORY PLASTICITY DURING MEMORY CONSOLIDATION	09:30 - 09:30
<i>Speaker:</i> Magdalena Pereyra (France)		
PS03-27AM-018	PATTERN COMPLETION OF CONTEXTUAL FEAR MEMORY: MODULATION BY HIPPOCAMPAL SOMATOSTATIN-POSITIVE INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Gina Marie Krause (Germany)		
PS03-27AM-019	INHGRAMS FOR ENGRAMS: INHIBITORY PLASTICITY AIDS RECALL BY DISINHIBITION OF EXCITATORY-INHIBITORY ENGRAMS	09:30 - 09:30
<i>Speaker:</i> Maciej Kania (Austria)		
PS03-27AM-020	PARVALBUMIN INTERNEURON (PV-IN) ACTIVITY DETERMINES MEMORY SPECIFICITY AND FACILITATES HOA FORMATION	09:30 - 09:30
<i>Speaker:</i> Nirupam Das (India)		
PS03-27AM-021	FEAR MEMORY RECALL VIA HIPPOCAMPAL SOMATOSTATIN INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Krisztián Zichó (Hungary)		
PS03-27AM-022	DEFINING THE CELLULAR AND CIRCUIT CONTRIBUTIONS OF MEDIAL PREFRONTAL CORTEX INTERNEURONS IN ASSOCIATIVE MEMORY	09:30 - 09:30
<i>Speaker:</i> Genevieve Durocher (United Kingdom)		
PS03-27AM-023	ACTIVITY-DEPENDENT REGULATION OF SYNAPTIC INTEGRATION IN PARVALBUMIN-POSITIVE INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Martijn Selten (United Kingdom)		
PS03-27AM-024	INVESTIGATING THE RECRUITMENT OF PARVALBUMIN AND SOMATOSTATIN INTERNEURONS INTO ENGRAMS FOR ASSOCIATIVE RECOGNITION MEMORY	09:30 - 09:30
<i>Speaker:</i> Lucinda Hamilton-Burns (United Kingdom)		

Poster Sessions

09:30 - 13:00

Posters

Poster Session 03 - Advancements in Neural Models

PS03-27AM-251	INTERROGATING CDKL5 DEFICIENCY DISORDER USING HUMAN IPSCS-DERIVED CEREBRAL ORGANIDS	09:30 - 09:30
<i>Speaker:</i> Yao Zhu (Hong Kong)		
PS03-27AM-252	FUNCTIONAL DISSECTION OF THE CORTICOHIPPOCAMPAL CIRCUIT UNDERLYING NEURONAL ENSEMBLE DYNAMICS IN SPATIAL LEARNING AND MEMORY	09:30 - 09:30

Speaker: Haoyu Xu (Hong Kong)

PS03-27AM-253 **HUMAN PLURIPOTENT STEM CELL-DERIVED
ECTOMESENCHYMAL PROMOTE MORE ROBUST FUNCTIONAL
RECOVERY THAN UMBILICAL CORD-DERIVED MESENCHYMAL
STROMAL CELLS AFTER HYPOXIC-ISCHAEMIC BRAIN DAMAGE** 09:30 - 09:30

Speaker: Qingwen Deng (Hong Kong)

PS03-27AM-254 **HUMAN PLURIPOTENT STEM CELL-DERIVED
ECTOMESENCHYMAL CELLS PROMOTE NEUROGENESIS AND
NEURITE OUTGROWTH IN RATS WITH HYPOXIC-ISCHEMIC
BRAIN INJURY THROUGH THE ERK/CREB SIGNALING PATHWAY** 09:30 - 09:30

Speaker: Jiawei Huang (Hong Kong)

PS03-27AM-255 **INVESTIGATING THE ROLES OF EXCITATORY AND INHIBITORY
MECHANISMS IN BINOCULAR MATCHING DURING
DEVELOPMENT** 09:30 - 09:30

Speaker: Hei Matthew Yip (Hong Kong)

PS03-27AM-256 **HARNESSING 3D AND 4D *IN VITRO* MODELS TO DECONSTRUCT
HUMAN NEURODISORDERS** 09:30 - 09:30

Speaker: Claudia Dell'Amico (Italy)

PS03-27AM-257 **CORTICAL AND SPINAL ORGANOIDS TO BUILD THE
CORTICOSPINAL TRACT** 09:30 - 09:30

Speaker: Alessio Zanelli (Italy)

PS03-27AM-258 **UNCOVERING SCHIZOPHRENIA THROUGH PATIENT IPSC-
DERIVED THALAMIC NEURONS** 09:30 - 09:30

Speaker: Marco Onorati (Italy)

PS03-27AM-259 **TOWARD A COMPREHENSIVE *IN VITRO* MODEL OF THE HUMAN
VISUAL SYSTEM: THREE-DIMENSIONAL ASSEMBLOIDS
INTEGRATING RETINAL AND BRAIN ORGANOIDS** 09:30 - 09:30

Speaker: Ahmad Salti (Austria)

PS03-27AM-260 **DECODING RETINITIS PIGMENTOSA: UNVEILING PRPF31
MUTATION EFFECTS ON HUMAN IPSC-DERIVED RETINAL
ORGANOIDS *IN VITRO* MODELS** 09:30 - 09:30

Speaker: Alessandro Bellapianta (Austria)

PS03-27AM-261 **EXPLORING THE IMPACT OF CHEMICAL AND ELECTRICAL
STIMULATION ON HUMAN-IPSCS-DERIVED NEURAL NETWORKS
COUPLED TO HIGH DENSITY ARRAYS** 09:30 - 09:30

Speaker: Giulia Parodi (Italy)

PS03-27AM-262 **TIME AND EFFECT OF DRUGS DIFFUSION IN NEURONAL
NETWORKS DERIVED FROM HUMAN INDUCED PLURIPOTENT
STEM CELLS** 09:30 - 09:30

Speaker: Linda Collo (Italy)

PS03-27AM-263 **OPTIMIZING ELECTRICAL STIMULATION PARAMETERS FOR
HUMAN-DERIVED NEURONAL NETWORKS: AN INVESTIGATION
INTO THE RELIABILITY OF EVOKED RESPONSES** 09:30 - 09:30

Speaker: Giorgia Zanini (Italy)

PS03-27AM-264 **BRAIN IMPLANTATION OF 3D CONSTRUCTS OF THE CEREBRAL
CORTEX GENERATED VIA MICROFLUIDIC PRINTING** 09:30 - 09:30

Speaker: Luana Campos Soares (United Kingdom)

PS03-27AM-265 **GENERATION OF COMBINOIDS TO STUDY PARKINSON'S
DISEASE IN A 3D *IN VITRO* AND *IN VIVO* SYSTEM** 09:30 - 09:30

Speaker: Serena Viventi (Australia)

PS03-27AM-266 **GENERATION OF PATIENT-DERIVED CORTICAL AND SPINAL
ORGANOIDS: A PROMISING MODEL FOR STUDYING
AMYOTROPHIC LATERAL SCLEROSIS (ALS)** 09:30 - 09:30

Speaker: Georgia Eleftheriou (Australia)

PS03-27AM-267 **INVESTIGATING PARKINSON'S DISEASE USING PATIENT-DERIVED IPSCS TRANSPLANTED IN A HUMAN-MOUSE CHIMERA MODEL** 09:30 - 09:30

Speaker: Stefano Frausin (Australia)

PS03-27AM-268 **PLASTICITY IN IPSC DERIVED 2D CORTICAL NEURONAL NETWORKS** 09:30 - 09:30

Speaker: David Jenkins (United Kingdom)

PS03-27AM-269 **DIGITAL LIGHT PROCESSING OF 3D STRUCTURES FOR IMPROVED CONNECTIVITY OF HIPSC DERIVED NEURONS** 09:30 - 09:30

Speaker: Dominic Mosses (United Kingdom)

PS03-27AM-270 **INNOVATIVE MODELS FOR AMYOTROPHIC LATERAL SCLEROSIS RESEARCH: DERMAL FIBROBLASTS AND DIRECT CELL REPROGRAMMING** 09:30 - 09:30

Speaker: Lucía Gallego (Spain)

PS03-27AM-271 **REACTIVE GLIA IN CULTURE BOOSTS NEUROSPHERE FORMATION BY CO-CULTURED NON-REACTIVE GLIA** 09:30 - 09:30

Speaker: Víctor Álvaro (Spain)

PS03-27AM-272 **UNRAVELING THE IMPACT OF ARCHITECTURAL COMPLEXITY ON CORTICAL-HIPPOCAMPAL CIRCUIT DYNAMICS WITH BRAIN-ON-A-CHIP MODELS** 09:30 - 09:30

Speaker: Martina Brofiga (Italy)

PS03-27AM-273 **AMYOTROPHIC LATERAL SCLEROSIS AND THE CENTRAL NERVOUS SYSTEM: THE EFFECT OF THE DISEASE ON CORTICAL ELECTROPHYSIOLOGICAL ACTIVITY** 09:30 - 09:30

Speaker: Ilaria Donati della Lunga (Italy)

PS03-27AM-274 **POLYMERIC NANOPARTICLES FOR TARGETED CANCER THERAPY** 09:30 - 09:30

Speaker: Letizia Cerutti (Italy)

PS03-27AM-275 **AUTOMATED HIGH-THROUGHPUT GENERATION OF HUMAN NEURAL ORGANIDS** 09:30 - 09:30

Speaker: Merve Heinzer-Avar (United States)

PS03-27AM-276 **EMERGENCE OF CORPORA AMYLACEA IN THE AGING HUMAN BRAIN AND IN ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Daniel Heinzer-Avar (United States)

PS03-27AM-277 **MICROSTRUCTURAL CHARACTERIZATION OF BRAIN ORGANIDS** 09:30 - 09:30

Speaker: Federico Tozzi (Italy)

PS03-27AM-278 **A "BREATHING" BRAIN MODEL: METABOLIC MEASUREMENTS IN WHOLE-BRAIN ORGANIDS** 09:30 - 09:30

Speaker: Sonia Cerchio (Italy)

PS03-27AM-279 **EXPLOITING DIGITOIDS FOR MIMICKING THE SLEEP-WAKE STATES IN VITRO** 09:30 - 09:30

Speaker: Rachele Fabbri (Italy)

PS03-27AM-280 **NAP: ADVANCED CELLULAR MODELS FOR STUDYING INDIVIDUAL SLEEP DYNAMICS** 09:30 - 09:30

Speaker: Chiara Magliaro (Italy)

PS03-27AM-281 **CHARACTERIZATION OF DENDRITIC SPINE MORPHOLOGY THROUGH A SEGMENTATION-CLUSTERIZATION APPROACH** 09:30 - 09:30

Speaker: Ester Bruno (Italy)

PS03-27AM-282 **TOWARDS A FULLY HUMANIZED IPSC-DERIVED NEURAL NETWORK FOR TRANSLATABLE COGNITIVE DRUG SCREENING** 09:30 - 09:30

Speaker: Larissa Breuer (Germany)

PS03-27AM-283 **HUMAN IPSC-DERIVED NEUROGENIN 2 (NGN2) CORTICAL NEURONS DEVELOP FUNCTIONAL CONNECTIVITY AND SMALL-WORLD NETWORK TOPOLOGY IN VITRO** 09:30 - 09:30

Speaker: Susanna Mierau (United States)

PS03-27AM-284 **MULTIFACTORIAL APPROACH IS NEEDED TO UNRAVEL THE MATURATION PHASES OF HUMAN NEURONS DERIVED FROM INDUCED PLURIPOTENT STEM CELLS** 09:30 - 09:30

Speaker: Maissa Ben mahmoud (Hungary)

PS03-27AM-285 **UNRAVELLING MICROGLIA-SPECIFIC CONTRIBUTIONS TO NEURONAL NETWORK ACTIVITY: ENGINEERING A HUMAN STEM CELL-DERIVED TRI-CULTURE ON MICROELECTRODE ARRAYS** 09:30 - 09:30

Speaker: Annika Mordelt (Netherlands)

PS03-27AM-286 **IT TAKES TWO - OR THREE: COMPARING HUMAN PLURIPOTENT STEM CELL DERIVED GLIA-NEURON CO-CULTURES TO NEURON MONOCULTURE UNDER BASAL AND INJURY CONDITIONS** 09:30 - 09:30

Speaker: Kasandra McCormack (Canada)

PS03-27AM-287 **DECODING NEURONAL IDENTITY MAINTENANCE AND PROGENITOR PLASTICITY IN EXTENDED BRAIN ORGANOID CULTURES** 09:30 - 09:30

Speaker: Irene Faravelli (United States)

PS03-27AM-288 **A NEUROFILAMENT-L REPORTER CELL LINE FOR THE QUANTIFICATION OF EARLY NEURONAL DIFFERENTIATION: A BIOASSAY FOR NEUROTROPHIC ACTIVITIES** 09:30 - 09:30

Speaker: Lisa Seidl (Austria)

PS03-27AM-289 **TRANSCRIPTOMIC CHARACTERIZATION OF MATURING NEURONS FROM HUMAN NEURAL STEM CELLS ACROSS DEVELOPMENTAL TIME POINTS AND THEIR APPLICATION IN DEVELOPMENTAL NEUROTOXICITY SCREENING** 09:30 - 09:30

Speaker: Kimia Hosseini (Sweden)

PS03-27AM-290 **COMPREHENSIVE FUNCTIONAL PROFILING OF HUMAN BRAIN ORGANOIDS** 09:30 - 09:30

Speaker: Aurore Ribera (France)

PS03-27AM-291 **DEVELOPMENT OF A MICROFLUIDIC DEVICE TO MIMIC THE BLOOD-BRAIN BARRIER USING HUMAN IPSC-DIFFERENTIATED CELLS** 09:30 - 09:30

Speaker: Marcio da Luz (Brazil)

PS03-27AM-292 **MULTIDONOR HUMAN CORTICAL CHIMEROIDS REVEAL INDIVIDUAL SUSCEPTIBILITY TO NEUROTOXIC TRIGGERS** 09:30 - 09:30

Speaker: Noelia Antón-Bolaños (United States)

PS03-27AM-293 **INVESTIGATING THE DEVELOPMENT OF THE GABAERGIC SYSTEM USING HUMAN BRAIN ORGANOIDS** 09:30 - 09:30

Speaker: Chloe Hall (Germany)

PS03-27AM-294 **IN VITRO MODELLING OF IMMUNE EFFECTOR CELL ASSOCIATED NEUROTOXICITY SYNDROME (ICANS) RESULTING FROM CAR T CELL THERAPY TREATING HAEMATOLOGICAL CANCER** 09:30 - 09:30

Speaker: Aisling McGarry (United Kingdom)

PS03-27AM-295 **CHARACTERIZATION OF A NEW HUMAN CO-CULTURE MODEL OF ENDOTHELIAL CELLS, PERICYTES AND BRAIN ORGANOIDS IN A MICROFLUIDIC DEVICE** 09:30 - 09:30

Speaker: Anna Kocsis (Hungary)

PS03-27AM-296 **SH-SY5Y CELL DIFFERENTIATION TO DOPAMINERGIC NEURON-LINE CELLS USING RETINOIC ACID** 09:30 - 09:30

Speaker: Simas Janutenas (Finland)

PS03-27AM-297 **PHYSIOLOGICAL MEASUREMENTS OF ACTIVITY AND MICROTUBULE HEALTH IN HUMAN IPSC-DERIVED NEURONS USING FLUORESCENCE AND SECOND HARMONIC MICROSCOPY** 09:30 - 09:30

Speaker: Natalia Garcia Perez (Belgium)

PS03-27AM-298 **IN VITRO ANALYSIS OF DRUG-INDUCED NEURON DEGENERATION BY MORPHOLOGICAL DEEP LEARNING ON A NOVEL MICROPHYSIOLOGICAL SYSTEM** 09:30 - 09:30

Speaker: Ikuro Suzuki (Japan)

PS03-27AM-299 **FUNCTIONAL CHARACTERIZATION OF HUMAN INDUCED PLURIPOTENT STEM CELL DERIVED SYMPATHETIC NEURONS** 09:30 - 09:30

Speaker: Oskari Kuluta (Finland)

PS03-27AM-300 **FUNCTIONAL 3D IN VITRO COCULTURE MODEL FOR ASSESSING HUMAN NEURO-GLIOMA INTERACTIONS** 09:30 - 09:30

Speaker: Nanna Förster (Finland)

PS03-27AM-301 **MODELLING CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY ON-A-CHIP** 09:30 - 09:30

Speaker: Nienke Wevers (Netherlands)

PS03-27AM-302 **FUNCTIONAL CHARACTERIZATION OF HEALTHY AND ALZHEIMER'S DISEASE-RELATED 3D NEUROSPHERES FORMED USING HUMAN IPSC-DERIVED GLUTAMATERGIC NEURONS, GABAERGIC NEURONS, AND ASTROCYTES** 09:30 - 09:30

Speaker: Georgy Pyatakov (United States)

PS03-27AM-303 **CHIMERIC IN VITRO MODEL TO STUDY HUMAN MICROGLIA** 09:30 - 09:30

Speaker: Vasiliki Panagiotakopoulou (Germany)

PS03-27AM-304 **CHARACTERISATION OF MAGI-FAMILY SYNAPTIC SCAFFOLDING PROTEINS IN HUMAN IPSC DERIVED NEURONS** 09:30 - 09:30

Speaker: Maximilian Borgmeyer (Germany)

PS03-27AM-305 **DEVELOPMENT OF ALGINATE- AND HYALURONIC ACID-BASED HYDROGEL AS COATING FOR CULTURING NEURONS** 09:30 - 09:30

Speaker: Doris Lau (Germany)

PS03-27AM-306 **NEURONAL PRESERVATION AND GLIAL CELL CHANGES IN HUMAN BRAIN ORGANOTYPIC SLICE CULTURES** 09:30 - 09:30

Speaker: Estilla Tóth (Hungary)

PS03-27AM-307 **ELECTROPHYSIOLOGICAL PROPERTIES AND ACTIVITY-DEPENDENT DIFFERENTIATION OF HUMAN INDUCED NEURONS** 09:30 - 09:30

Speaker: Attila Szücs (Hungary)

PS03-27AM-308 **LABEL-FREE FUNCTIONAL ANALYSIS FOR THE CHARACTERIZATION OF IPSC-DERIVED NEURAL ORGANOID DEVELOPMENT AND MATURATION** 09:30 - 09:30

Speaker: Timm Schlegel (United States)

PS03-27AM-309 **CHARACTERIZING HUMAN DERIVED NEURONAL NETWORK USING HIGH-DENSITY MEAS AND PROTEOMICS: IN-VITRO MODEL FOR NEURODEVELOPMENTAL DISEASE** 09:30 - 09:30

Speaker: Lorenzo Muzzi (Italy)

PS03-27AM-310 **TOWARDS NOVEL IN VITRO MODELS OF MULTIPLE SCLEROSIS: DEVELOPMENT OF HUMANIZED HIPPOCAMPAL MOUSE SLICES** 09:30 - 09:30

Speaker: Sara Rimoldi (Germany)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 03 - Neuromodulation and Neurorehabilitation

- PS03-27AM-546 **PHASE-LOCKED EPIDURAL ELECTRICAL STIMULATION OF THE SPINAL CORD IN PARKINSON'S RAT MODEL** 09:30 - 09:30
Speaker: Elisa Garulli (Germany)
- PS03-27AM-547 **MODULATION OF DIRECT PATHWAY REGULATES MOTOR SYMMETRY IN THE UNILATERAL 6-OHDA RAT MODEL OF PD** 09:30 - 09:30
Speaker: Rafaël DE SA (Germany)
- PS03-27AM-548 **THE IMMEDIATE EFFECT OF LUMBAR TRANSCUTANEOUS SPINAL CORD STIMULATION IN PATIENTS WITH MULTIPLE SCLEROSIS: PRELIMINARY RESULTS OF A SHAM-CONTROLLED STUDY** 09:30 - 09:30
Speaker: Eira Lotta Spieker (Germany)
- PS03-27AM-549 **EFFECTS OF NON-INVASIVE ELECTRICAL STIMULATION ON NEURAL AND BEHAVIOURAL CHANGES FOLLOWING PHOTOTHROMBOTIC ISCHEMIC STROKE** 09:30 - 09:30
Speaker: Montana Samantzis (Australia)
- PS03-27AM-550 **EFFICACY OF ELECTRICAL VESTIBULAR STIMULATION (VENS) ON ADULTS WITH INSOMNIA: A DOUBLE-BLIND, RANDOMIZED, SHAM-CONTROLLED TRIAL** 09:30 - 09:30
Speaker: Teris Cheung (Hong Kong)
- PS03-27AM-551 **EFFECT OF SUBTHRESHOLD HAPTIC STIMULATION ON THE LEARNING** 09:30 - 09:30
Speaker: João Miguel Alves Ferreira (Portugal)
- PS03-27AM-552 **40-HZ OPTOGENETIC STIMULATION RESCUES FUNCTIONAL SYNAPTIC PLASTICITY AFTER STROKE** 09:30 - 09:30
Speaker: Matilde Balbi (Australia)
- PS03-27AM-553 **NON-INVASIVE VAGUS NERVE STIMULATION NORMALIZES PSYCHOEMOTIONAL STATE SHIFTING "SYMPATHO-VAGAL BALANCE"** 09:30 - 09:30
Speaker: Serhii Tukaiev (Ukraine)
- PS03-27AM-554 **EX VIVO DIRECT CURRENT STIMULATION MODULATES SYNAPTIC PLASTICITY UNDER PATHOLOGICAL CONDITION WITH THE IMPLICATION OF FKBP51-RELATED SIGNALING** 09:30 - 09:30
Speaker: Ching-Hsiang Chang (Taiwan)
- PS03-27AM-555 **DIFFERENT SOMATOSENSORY BRAIN ACTIVITY AFTER HIGH AND LOW FREQUENCY RTMS IN NON-HUMAN PRIMATE MODEL OF CENTRAL POST-STROKE PAIN** 09:30 - 09:30
Speaker: Kazuaki Nagasaka (Japan)
- PS03-27AM-556 **40HZ VISUAL STIMULATION ATTENUATES DISRUPTED FUNCTIONAL CONNECTIVITY AND RESTORES HIPPOCAMPAL NEURONAL FIRING FOLLOWING MICROINFARCTS** 09:30 - 09:30
Speaker: Phoebe Mayne (Australia)
- PS03-27AM-557 **EFFECTS OF ATORVASTATIN-LOADED PEGYLATED LIPOSOME ON FOCUSED MAGNETIC STIMULATION IN POST-STROKE** 09:30 - 09:30
Speaker: Jihye Kim (Korea, Republic of)
- PS03-27AM-558 **EXPLORING THE IMPACT OF PHOTOBIO-MODULATION FREQUENCIES ON COGNITIVE PERFORMANCE AND BRAIN CHANGES IN NORMAL CONDITIONS** 09:30 - 09:30
Speaker: Natalia Arias (Spain)
- PS03-27AM-559 **EFFECTIVENESS OF ACTION OBSERVATION TREATMENT INTEGRATED WITH VIRTUAL REALITY IN THE MOTOR** 09:30 - 09:30

REHABILITATION OF STROKE PATIENTS: A RANDOMIZED CONTROLLED CLINICAL TRIAL

Speaker: Antonino Errante (Italy)

PS03-27AM-560 **AN INNOVATIVE TOP-TO-TOE (TTT) SCREENING SYSTEM FOR EARLY DETECTING SARCOPENIA** 09:30 - 09:30

Speaker: Tzai-Wen Chiu (Taiwan)

PS03-27AM-561 **40 HZ GAMMA VISUAL STIMULATION RESTORE BRAIN DYNAMICS AND BOOST MEMORY IN A NEW MOUSE MODEL OF EARLY ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Matthieu Aguilera (France)

PS03-27AM-562 **ALTERED LATERALIZED READINESS POTENTIAL IN STROKE PATIENTS DURING HEALTHY AND PARETIC HAND MOVEMENTS** 09:30 - 09:30

Speaker: Aleksandra Medvedeva (Russian Federation)

PS03-27AM-563 **CHANGES IN THE AMPLITUDE OF THE TASK-EVOKED HEMODYNAMIC RESPONSE DURING GRIP MOVEMENTS; SIMULTANEOUS FNIRS AND FMRI MEASUREMENTS** 09:30 - 09:30

Speaker: Satoshi Yamamoto (Japan)

PS03-27AM-564 **NEURAL NETWORK MODULATION OF THE HUMAN VISUOMOTOR SYSTEM DURING HYPOXIA AND HYPEROXIA** 09:30 - 09:30

Speaker: Stephen Hall (United Kingdom)

PS03-27AM-565 **SENSORY AND MOTOR EFFECTS PRODUCED BY LTP-INDUCING NERVE STIMULATION IN HUMAN PATIENTS WITH PAIN** 09:30 - 09:30

Speaker: Maria José Giner (Spain)

PS03-27AM-566 **EMG MONITORING OF CENTRAL NEUROPLASTIC CHANGES AFTER NERVE TRANSFERS PROCEDURES IN BRACHIAL PLEXUS INJURY** 09:30 - 09:30

Speaker: Štěpánka Brušáková (Czech Republic)

PS03-27AM-567 **TRANSCRANIAL MAGNETIC STIMULATION NEUROFEEDBACK - A MULTIMODAL, MULTIPHASE APPROACH TO STROKE REHABILITATION USING EEG BCI** 09:30 - 09:30

Speaker: Emmet McNickle (United Kingdom)

PS03-27AM-568 **40 HZ VISUAL AND AUDITORY ENTRAINMENT INCREASES EEG ALPHA ACTIVITY AND IMPROVES COGNITIVE FUNCTIONS OF MIDDLE-AGED HEALTHY CONTROLS** 09:30 - 09:30

Speaker: Bahar Güntekin (Turkey)

PS03-27AM-569 **ELECTROCONVULSIVE THERAPY PROMOTES REINNERVATION OF THE DOPAMINE-DEPLETED STRIATUM IN THE 6-OHDA MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Anika Frank (United States)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 03 - Parkinson's Disease Models

PS03-27AM-506 **ANXIETY IN PARKINSON'S DISEASE: BRAINSTEM NEUROMODULATORY MECHANISMS** 09:30 - 09:30

Speaker: Alexia Lantheaume (Germany)

PS03-27AM-507 **EXPLORING THE INTERPLAY OF GAIT AND ANXIETY IN A SYNUCLEINOPATHY MODEL OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Michael Schellenberger (Germany)

PS03-27AM-508 **FUNCTIONAL, BEHAVIOURAL AND MOLECULAR CHARACTERIZATION OF A PRESYMPTOMATIC MODEL OF PARKINSON DISEASE EXPRESSING ASYNUCLEIN IN THE LOCUS** 09:30 - 09:30

COERULEUS*Speaker:* Jone Razquin (Spain)

PS03-27AM-509 **DEPRESSIVE-LIKE PHENOTYPE INDUCED BY AAV-MEDIATED OVEREXPRESSION OF HUMAN A-SYNUCLEIN IN MIDBRAIN DOPAMINERGIC NEURONS** 09:30 - 09:30

Speaker: Laura Kondrataviciute (Canada)

PS03-27AM-510 **ALPHA-SYNUCLEIN PATHOLOGY FROM HUMAN-DERIVED LEWY BODY INOCULATIONS IN THE MOUSE OLFACTORY BULB: MODELLING EARLY PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Charmaine Helk-Lim (United Kingdom)

PS03-27AM-511 **DEVELOPMENT OF A NOVEL VIRAL VECTOR-BASED MODEL OF DEMENTIA WITH LEWY BODIES IN MICE** 09:30 - 09:30

Speaker: Yaprak Karabalci (United Kingdom)

PS03-27AM-512 **LESIONS OF THE LATERAL HYPOTHALAMUS-NIGRAL PROJECTION RESULT IN MOTOR DEFICITS IN RATS: IMPLICATIONS FOR PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Asena Bingul (Australia)

PS03-27AM-513 **CELLULAR AND MOLECULAR CHARACTERIZATION OF SEROTONERGIC SYNAPSES IN A MOUSE MODEL OF DEPRESSION AND RAPHE SYNUCLEINOPATHY** 09:30 - 09:30

Speaker: Unai Sarriés-Serrano (Spain)

PS03-27AM-514 **RATE OF NEUROMELANIN ACCUMULATION IN THE LOCUS COERULEUS IS A CRITICAL FACTOR FOR NEURODEGENERATION** 09:30 - 09:30

Speaker: Csilla Novák (Germany)

PS03-27AM-515 **INCREASED FEAR-RELATED BEHAVIORS FOLLOWING ALPHA-SYNUCLEIN PREFORMED FIBRILS INJECTED INTO THE BASOLATERAL AMYGDALA OR STRIATUM IN MICE** 09:30 - 09:30

Speaker: Thuy Lai (Germany)

PS03-27AM-516 **DEPRESSIVE AND ANXIOUS PHENOTYPE CORRELATES WITH FUNCTIONAL CHANGES IN THE VENTROMEDIAL PREFRONTAL CORTEX - DORSAL RAPHE NUCLEUS CIRCUIT IN FEMALE MICE WITH ALPHA-SYNUCLEINOPATHY** 09:30 - 09:30

Speaker: María Sancho Alonso (Spain)

PS03-27AM-517 **INVESTIGATING CHANGES IN INTERNEURONS AND PERINEURONAL NETS IN A RODENT MODEL OF ALPHA-SYNUCLEINOPATHY** 09:30 - 09:30

Speaker: Anastasia Dimitriou (United Kingdom)

PS03-27AM-518 **EARLY HIPPOCAMPAL HYPEREXCITABILITY AND MITOCHONDRIAL CHANGES IN A TRANSGENIC MOUSE MODEL OF DEMENTIA WITH LEWY BODIES** 09:30 - 09:30

Speaker: Lauren O'Neill (United Kingdom)

PS03-27AM-519 **THE LOCUS COERULEUS NORADRENERGIC NETWORK IN PRODROMAL PHASES OF PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Laura De las Heras-García (Spain)

PS03-27AM-520 **EVIDENCE OF PRODROMAL NEURONAL HYPEREXCITABILITY AND NEUROINFLAMMATION IN A RODENT MODEL OF HUMAN ALPHA-SYNUCLEINOPATHY** 09:30 - 09:30

Speaker: Fiona Lebeau (United Kingdom)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 03 - Alzheimer's Disease Therapeutics

PS03-27AM-342	DISCOVERY OF DUAL INHIBITORS FOR THE TREATMENT OF ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Aina Bellver Sanchis (Spain)		
PS03-27AM-343	PHYSICAL EXERCISE IMPACT ON AGEING-RELATED PATHWAYS ACROSS GENERATIONS IN <i>C. ELEGANS</i>	09:30 - 09:30
<i>Speaker:</i> Marta Ribalta Vilella (Spain)		
PS03-27AM-344	A NOVEL SEH INHIBITOR REDUCES INFLAMMATION AND PROMOTES NEUROPROTECTIVE EFFECTS BY MODULATING GUT MICROBIOTA	09:30 - 09:30
<i>Speaker:</i> Júlia Jarne Ferrer (Spain)		
PS03-27AM-345	M6A RNA METHYLATION IN AGE-RELATED COGNITIVE DECLINE AND AD: NOVEL TARGETS FOR DEVELOPING POTENTIAL THERAPIES	09:30 - 09:30
<i>Speaker:</i> Alba Irisarri Martinez (Spain)		
PS03-27AM-346	BEHAVIORAL, ELECTROPHYSIOLOGICAL AND ENZYMATIC CHARACTERIZATION OF NEW PRECLINICAL RODENT MODEL EXPOSED TO DIFFERENT SUB-LETHAL DOSES OF SOMAN	09:30 - 09:30
<i>Speaker:</i> Rosalie BEL (France)		
PS03-27AM-347	LIPOPHENOL COMPOUNDS AS NEW HYBRIDS TOOLS AGAINST OXIDATIVE AND CARBONYL STRESS IN ALZHEIMER'S DISEASE.	09:30 - 09:30
<i>Speaker:</i> OTAEGUI Léa (France)		
PS03-27AM-348	CHARACTERIZATION OF THE BIOLOGICAL EFFECT OF NEW MOLECULES AS POTENTIAL THERAPEUTIC AGENTS FOR ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Patricia Llanes Fernández (Panama)		
PS03-27AM-349	DESIGN AND DEVELOPMENT OF NANOLIPOSOMES BASED ON SOY LECITHIN FOR THE DELIVERY OF MOLECULES TO THE CNS AS STRATEGY FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES	09:30 - 09:30
<i>Speaker:</i> Alvaro Barrera-Ocampo (Colombia)		
PS03-27AM-350	PROTECTIVE EFFECT OF SOME NATURAL ANTIOXIDANTS ON OLFATORY ENSHEATHING CELLS EXPOSED TO AMYLOID-B TOXICITY: A POTENTIAL THERAPEUTIC ROLE IN PRESERVING NEURODEGENERATIVE DISEASES	09:30 - 09:30
<i>Speaker:</i> Rosalia Maria Pellitteri (Italy)		
PS03-27AM-351	NEUROPROTECTIVE AND ANTIOXIDANT EFFECTS OF OXOTREMORINE-M, A NON-SELECTIVE MUSCARINIC ACETYLCHOLINE RECEPTORS AGONIST, IN A CELLULAR MODEL OF ALZHEIMER DISEASE	09:30 - 09:30
<i>Speaker:</i> Miriana Scordino (Italy)		
PS03-27AM-352	EVALUATION AND TREATMENT OF IMBALANCE IN PATIENTS WITH ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Ioseb Burduladze (Georgia)		
PS03-27AM-353	DESIGN, SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF PYRAZOLE/TACRINE DERIVATIVES AS POTENTIAL ACETYLCHOLINESTERASE INHIBITORS	09:30 - 09:30
<i>Speaker:</i> Jelena Penjišević (Serbia)		
PS03-27AM-354	THE PROTECTIVE ROLE OF <i>ALCHORNEA LAXIFLORA</i> (BENTH.) PAX & K. HOFFMAN EXTRACT AGAINST LEAD-INDUCED NEURODEGENERATION IN COCKEREL CHICKENS	09:30 - 09:30
<i>Speaker:</i> Olumayowa Igado (Nigeria)		
PS03-27AM-355	NEUROPROTECTIVE POTENTIAL OF GANAXOLONE AND ALLOPREGNANOLONE AGAINST AB DEPOSITS IN APPSW	09:30 - 09:30

TRANSFECTED SH-SY5Y CELLS*Speaker:* Divya Divya (India)

PS03-27AM-356 **N-METHYLPROPARGYLAMINO-QUINAZOLINE DERIVATIVES AS POTENTIAL MULTI-TARGET DIRECTED LIGANDS IN THE THERAPY OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Martin Horak (Czech Republic)

PS03-27AM-357 **PHARMACOKINETIC AND SAFETY OF A NOVEL PLEIOTROPIC COMPOUND IN C57BL/6J MICE WITH POTENTIAL THERAPEUTIC INTEREST IN ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Caroline Lahogue (France)

PS03-27AM-358 **IMPROVING NEUROPROTECTION AGAINST A NERVE AGENT-EXPOSURE WITH THE ASSOCIATION OF TWO OXIMES** 09:30 - 09:30

Speaker: Alexandre Champault (France)

PS03-27AM-359 **EFFECT OF QUERCETIN MODIFICATION WITH 6,7-DIMETHOXY-TETRAHYDROISOQUINOLINE ON CHOLINERGIC ENZYMES ACTIVITY AND ITS LIPOPHILICITY** 09:30 - 09:30

Speaker: Marija Vučkovski (Serbia)

PS03-27AM-360 **THERAPEUTIC POTENTIAL OF NEUROSTEROIDS DHEA AND DHEAS IN MOUSE MODELS OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Barbara Vuić (Croatia)

PS03-27AM-361 **PROMNESIC, ANXIOLYTIC, AND ANTIOXIDANT EFFECTS OF MANSORIN A AND MANSORIN G IN THE OKADAIC ACID-INDUCED ZEBRAFISH MODEL OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Iasmina Honceriu (Romania)

PS03-27AM-362 **THE ABILITY OF ELLAGIC ACID LOADED IN NANOVESICLES TO RESCUE THE AB-INDUCED LTP IMPAIRMENT** 09:30 - 09:30

Speaker: Nunzia Maisto (Italy)

PS03-27AM-363 **NORADRENERGIC A2 RECEPTOR: A PROMISING CENTRAL TARGET FOR UROLITHINS** 09:30 - 09:30

Speaker: Veronica Torre (Italy)

PS03-27AM-364 **PHYSIOLOGICAL EVALUATION OF A NEW RILUZOLE-DERIVED COMPOUND AS NEUROPROTECTIVE AGENT** 09:30 - 09:30

Speaker: Jessica Cazzola (Italy)

PS03-27AM-365 **PROTECTIVE EFFECT OF GROWTH HORMONE-RELEASING HORMONE (GHRH) AGONIST MR-409 IN ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Giulia Morello (Italy)

PS03-27AM-366 **GENIPOSIDE, A NATURAL EXTRACT FROM THE FRUIT OF GARDENIA JASMINOIDES, EXHIBITS A NEUROPROTECTIVE EFFECT ON AN IN VITRO TAUOPATHY MODEL FOR ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Inas Birekdar (Egypt)

PS03-27AM-367 **APPLICATION OF DEHYDROEPIANDROSTERONE AS A NEUROPROTECTIVE AGENT FOR THE THERAPY OF ALZHEIMER'S DISEASE IN A MOUSE MODEL** 09:30 - 09:30

Speaker: Kvak Erika Eliza (Hungary)

PS03-27AM-368 **OPTIMIZING SERUM-FREE NEURONAL DIFFERENTIATION OF SH-SY5Y CELLS: IMPLICATIONS FOR ALZHEIMER'S DISEASE THERAPY** 09:30 - 09:30

Speaker: Ihor Kozlov (Czech Republic)

PS03-27AM-369 **TERPENES AND ALZHEIMER'S DISEASE: AN IN VITRO STUDY** 09:30 - 09:30

Speaker: Sveva Dallere (Italy)

PS03-27AM-370	HIGH DOSE FISH OIL SUPPLEMENTATION DECREASES AMYLOID BETA ACCUMULATION IN RETINAL BLOOD VESSELS IN 5XFAD MICE	09:30 - 09:30
<i>Speaker:</i> Irena Jovanovic Macura (Serbia)		
PS03-27AM-371	ALFAXALONE DOES NOT AFFECT MEMORY PERFORMANCE IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Nikola Milovanović (Serbia)		
PS03-27AM-372	UNRAVELING THE INTERPLAY: BEHAVIORAL AND ELECTROPHYSIOLOGICAL INSIGHTS INTO THE PROTECTIVE IMPACT OF CURCUMIN AND L-THYROXINE ON HIPPOCAMPAL ACTIVITY IN AMYLOID BETA PEPTIDE (25-35)-INJECTED RATS	09:30 - 09:30
<i>Speaker:</i> Lilit Darbinyan (Armenia)		
PS03-27AM-373	THE HIPPOCAMPAL LIPID ALTERATIONS IN AN ALZHEIMER'S DISEASE MODEL	09:30 - 09:30
<i>Speaker:</i> Elif Keskinöz (Turkey)		
PS03-27AM-374	EVALUATION OF THE EFFECTS OF TAURINE TREATMENT ON APOPTOTIC PROCESSES, MIR-34A, OXIDATIVE STRESS AND INFLAMMATORY MARKERS IN INTRACEREBROVENTRICULAR AMYLOID BETA 1-42 INJECTED RATS	09:30 - 09:30
<i>Speaker:</i> Burak Kayabasi (Turkey)		
PS03-27AM-375	KOREAN RED GINSENG MARC-DERIVED GINTONIN ALLEVIATES ALZHEIMER'S DISEASE-RELATED COGNITIVE DYSFUNCTION BY STIMULATING NRF2 PATHWAY AND INHIBITING P38/NF-KB/STAT3 SIGNALING PATHWAYS THROUGH LPA RECEPTOR 1	09:30 - 09:30
<i>Speaker:</i> Ik-Hyun Cho (Korea, Republic of)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Advanced Neural Imaging Techniques		
PS03-27AM-442	IN-VIVO CO-REGISTERING OF FUNCTIONAL CALCIUM ACTIVITY WITH NINE OTHER VIRALLY EXPRESSED FLUOROPHORES THROUGH AN IMPLANTED GRIN LENS	09:30 - 09:30
<i>Speaker:</i> Nicolai Urban (United States)		
PS03-27AM-443	FUNCTIONAL CALCIUM IMAGING OF NINE NEURONAL POPULATIONS IN A FREELY MOVING SOCIAL TASK	09:30 - 09:30
<i>Speaker:</i> Mary Phillips (United States)		
PS03-27AM-444	IMAGING AND SENSING SYSTEM BASED ON CMOS IMAGING DEVICE FOR SIMULTANEOUS MULTI AREA MONITORING	09:30 - 09:30
<i>Speaker:</i> Yoshinori Sunaga (Japan)		
PS03-27AM-445	SIMULTANEOUS CALCIUM IMAGING AND EXTRACELLULAR ELECTROPHYSIOLOGY USING CMOS-BASED IMAGING DEVICES WITH AN INTEGRATED CARBON ELECTRODE FOR FREELY MOVING MICE EXPERIMENTS	09:30 - 09:30
<i>Speaker:</i> Virgil Christian Castillo (Japan)		
PS03-27AM-446	DECIPHERING BRAIN FUNCTION THROUGH <i>IN VIVO</i> SIMULTANEOUS MULTI-REGION NEURONAL LEVEL BRAIN IMAGING OF FREELY BEHAVING ANIMALS	09:30 - 09:30
<i>Speaker:</i> Tina Mahmoudi (Canada)		
PS03-27AM-447	ULTRAFast TWO-PHOTON ALL-OPTICAL INTERROGATION OF NEURAL CIRCUITS WITH ACOUSTO-OPTIC DEFLECTORS	09:30 - 09:30
<i>Speaker:</i> Matteo Pisoni (France)		
PS03-27AM-448	A HAIR-THIN PATH TO THE DEEP BRAIN ACTIVITY OF AN AWAKE MOUSE	09:30 - 09:30

Speaker: Miroslav Stibůrek (Czech Republic)

PS03-27AM-449 **OBLIQUE LIGHT SHEET TRACKING MICROSCOPY FOR WHOLE BRAIN FUNCTIONAL IMAGING IN A FREELY SWIMMING ZEBRAFISH LARVA** 09:30 - 09:30

Speaker: Kavya Mohan (Germany)

PS03-27AM-450 **LABEL-FREE BIOMOLECULAR SPECTROSCOPY WITH VIBRATIONAL FIBER PHOTOMETRY DEEP IN THE MOUSE BRAIN** 09:30 - 09:30

Speaker: Filippo Pisano (University of Padua, Department of Physics and Astronomy, Italy)

PS03-27AM-451 **WAVEFORM SAMPLING BASED FLUORESCENCE LIFETIME FIBER PHOTOMETRY (FLIP) MEASUREMENTS** 09:30 - 09:30

Speaker: Emir Karamehmedovic (Canada)

PS03-27AM-452 **DUAL-PLANE 3-PHOTON MICROSCOPY IN LAYER 2/3 AND 6 OF THE MOUSE VISUAL CORTEX** 09:30 - 09:30

Speaker: Matilda Cloves (United Kingdom)

PS03-27AM-453 **MESOSCALE AND MINIATURIZED LARGE-SCALE VOLUMETRIC NEURONAL ACTIVITY IMAGING** 09:30 - 09:30

Speaker: Tobias Nöbauer (United States)

PS03-27AM-454 **PORTABLE AND TURN-KEY MULTIMODAL MULTIPHOTON MICROSCOPY FOR EASY-TO-ACCESS LABEL-FREE AND INTRAVITAL IMAGING** 09:30 - 09:30

Speaker: Stefanie Kiderlen (Austria)

PS03-27AM-455 **FUSED FIBER PHOTOMETRY 2.0: A FLEXIBLE AND VERSATILE SYSTEM FOR MULTI-COLOR FIBER PHOTOMETRY AND OPTOGENETIC MANIPULATION** 09:30 - 09:30

Speaker: Alexander Dieter (Germany)

PS03-27AM-456 **3D ACOUSTO-OPTICAL REAL TIME MOTION CORRECTION FOR IN-VIVO MEASUREMENTS** 09:30 - 09:30

Speaker: Katalin Ócsai (Hungary)

PS03-27AM-457 **MULTI-REGION CALCIUM IMAGING IN FREELY BEHAVING MICE WITH ULTRA-COMPACT HEAD-MOUNTED FLUORESCENCE MICROSCOPES** 09:30 - 09:30

Speaker: Feng Xue (China)

PS03-27AM-458 **IN VIVO AND IN VITRO DENDRITIC SIGNALIZATION WITH JEDI-2P COMBINED ACOUSTO-OPTICAL IMAGING** 09:30 - 09:30

Speaker: Zsolt Mezriczky (Femtonics, Hungary)

PS03-27AM-459 **LONGITUDINAL TRACKING OF HIPPOCAMPAL ACTIVITY WITH THE INSPLOER ENDOSCOPE IN FREELY MOVING MICE** 09:30 - 09:30

Speaker: Attila Kaszas (France)

PS03-27AM-460 **THREE-PHOTON INFRARED STIMULATION OF ENDOGENOUS NEURORECEPTORS IN VIVO** 09:30 - 09:30

Speaker: Rosalba Sortino (Spain)

PS03-27AM-461 **MAPPING OF NEURONAL POPULATIONS WITH LIGHT-SHEET FLUORESCENCE MICROSCOPY** 09:30 - 09:30

Speaker: Giacomo Mazzamuto (Italy)

Poster Sessions

09:30 - 13:00

Posters

PS03 - Poster Session 03 (Poster authors in attendance: 11:30 - 13:00)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 03 - Neurodegeneration and Neuroinflammation

- PS03-27AM-073 **HIPPOCAMPAL ACTIVATION INDUCED BY VOLUNTARY APNEA IN RATS** 09:30 - 09:30
Speaker: Simon Désiré GUEDANG NYAYI (Cameroon)
- PS03-27AM-074 **EFFECTS OF OVER ACTIVATION OF MTOR IN THE INFANT AMYGDALA ON ITS FUNCTIONALITY AT ADOLESCENCE IN RATS** 09:30 - 09:30
Speaker: Auriane Gerbelot-Barrillon (France)
- PS03-27AM-075 **ARE THERE SPECIFIC FREEDIVING SKILLS? A COMPARATIVE STUDY OF TRAINING IN VOLUNTARY APNEA IN SPRAGUE DAWLEY AND LONG EVANS RATS** 09:30 - 09:30
Speaker: Laetitia Chambrun (France)
- PS03-27AM-076 **THE STEROID SULFATASE INHIBITOR STX64 IMPROVES MICE COGNITIVE DEFICIENCIES ASSOCIATED TO AGING** 09:30 - 09:30
Speaker: Juan Antonio Fernández Cabrera (Spain)
- PS03-27AM-077 **EFFECT OF DREAM INHIBITION ON AGING AND NEURODEGENERATION** 09:30 - 09:30
Speaker: Inés Sánchez (Spain)
- PS03-27AM-078 **PROTECTIVE EFFECTS OF INTRACRANIAL STIMULATION ON SPATIAL MEMORY AND CHANGES IN MIRNA SERUM LEVELS IN A SPORADIC RAT MODEL OF ALZHEIMER DISEASE: A LONGITUDINAL STUDY** 09:30 - 09:30
Speaker: Andrea Riberas Sánchez (Spain)
- PS03-27AM-079 **SULFIREXDOXIN 1 AMELIORATES OXIDATIVE STRESS IN HT22 CELLS AND ISCHEMIC DAMAGE IN GERBILS** 09:30 - 09:30
Speaker: In Koo Hwang (Korea, Republic of)
- PS03-27AM-080 **CONSEQUENCES OF CHRONIC KIDNEY DISEASE ON NEURODEGENERATIVE PROCESSES IN 5/6NX RAT MODELS** 09:30 - 09:30
Speaker: Irene Cortijo (France)
- PS03-27AM-081 **ACUTE AND CHRONIC TRAMADOL-INDUCED COGNITIVE CHANGES IN MALE SPRAGUE-DAWLEY RATS** 09:30 - 09:30
Speaker: Marie Heraudeau (France)
- PS03-27AM-082 **CHANGES IN NEUROTRANSMITTER ACTIVITY IN SEPTO-HIPPOCAMAL NETWORK IN NATURALLY AGED RATS AND A RAT MODEL OF AGING INDUCED BY D-GALACTOSE ADMINISTRATION: RELATIONSHIP WITH MEMORY IMPAIRMENT** 09:30 - 09:30
Speaker: Ekaterine Kipiani (Georgia)
- PS03-27AM-083 **INVESTIGATING THE EFFECTS OF GSK-3B INHIBITION ON COGNITIVE DEFICITS IN THE SUB-CHRONIC PHENCYCLIDINE MODEL FOR COGNITIVE IMPAIRMENT ASSOCIATED WITH SCHIZOPHRENIA** 09:30 - 09:30
Speaker: Huiming Zhu (United Kingdom)
- PS03-27AM-084 **NEUROPROTECTIVE EFFECTS OF MK801 AGAINST CEREBRAL ISCHEMIA-REPERFUSION INJURY** 09:30 - 09:30
Speaker: Zahra Yaghoobi (Germany)
- PS03-27AM-085 **DIFFERENTIAL IMPACT OF CALORIE RESTRICTION ON MEMORY AND MTOR SIGNALING IN AGING FEMALE WISTAR RATS** 09:30 - 09:30
Speaker: Milica Prvulovic (Serbia)
- PS03-27AM-086 **ATTEMPT TO PHARMACOLOGICALLY INDUCE NEUROVASCULAR UNCOUPLING IN AGED, EXPERIENCED RATS** 09:30 - 09:30
Speaker: István Gyertyán (Hungary)

PS03-27AM-087	CRANIAL IRRADIATION DIRECTED TO THE RIGHT HEMISPHERE CAUSES COGNITIVE IMPAIRMENT IN ASSOCIATION WITH INCREASED OXIDATIVE STRESS	09:30 - 09:30
<i>Speaker:</i> Georgina Pearson (United Kingdom)		
PS03-27AM-088	EVALUATION OF NOVEL OBJECT RECOGNITION TEST RESULTS OF RATS INJECTED WITH INTRACEREBROVENTRICULAR STREPTOZOCIN TO DEVELOP ALZHEIMER'S DISEASE MODELS	09:30 - 09:30
<i>Speaker:</i> Berna Özen (Turkey)		
PS03-27AM-089	NICOTINAMIDE SUPPLEMENTATION MITIGATES SYNAPTIC PLASTICITY IMPAIRMENT AND COGNITIVE DECLINE AFTER TIBIAL FRACTURE SURGERY IN AGING MICE	09:30 - 09:30
<i>Speaker:</i> tatiana guncay (Chile)		
PS03-27AM-090	LOU/C/JALL RAT AS A RESILIENCE MODEL IN THE CONTEXT OF SPORADIC ALZHEIMER'S DISEASE INDUCED BY STREPTOZOTOCIN	09:30 - 09:30
<i>Speaker:</i> Lucas Gephine (France)		
PS03-27AM-091	DIETARY RESTRICTION DURING ADOLESCENCE IMPROVES THE MEMORY PERFORMANCE OF OLD FEMALE WISTAR RATS IN AN ONSET- AND DURATION-DEPENDENT MANNER	09:30 - 09:30
<i>Speaker:</i> Andjela Vukojevic (Serbia)		
PS03-27AM-092	NORADRENERGIC AGONISTS AS NEW TREATMENT OPPORTUNITY AGAINST RADIATION-INDUCED COGNITIVE DECLINE	09:30 - 09:30
<i>Speaker:</i> Isabeau De Bie (Belgium)		
PS03-27AM-093	IMPACTS OF CIPROXIFAN ON THE TISSUE OF THE HIPPOCAMPUS IN RATS WITH CEREBRAL ISCHEMIA-REPERFUSION	09:30 - 09:30
<i>Speaker:</i> Bengi Yegin (Turkey)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Epilepsy Treatment		
PS03-27AM-219	TARGETING M-CURRENT: A NEW PRECISION MEDICINE APPROACH IN DRAVET SYNDROME	09:30 - 09:30
<i>Speaker:</i> Stefano Iavarone (Germany)		
PS03-27AM-220	THE REGULATORY IMPACT OF THE BRG1 ATPASE OF SWI/SNF CHROMATIN REMODELING COMPLEX ON SEIZURE DEVELOPMENT	09:30 - 09:30
<i>Speaker:</i> Roberto Pagano (Poland)		
PS03-27AM-221	DEVELOPMENT OF AN INNOVATIVE RADIOTHERAPY USING SYNCHROTRON-GENERATED X-RAY TO TREAT FOCAL EPILEPSY IN A MOUSE MODEL	09:30 - 09:30
<i>Speaker:</i> Loan Samalens (France)		
PS03-27AM-222	A NOVEL UBIQUITIN LIGASE ADAPTOR PTPRN SUPPRESSES SEIZURE SUSCEPTIBILITY THROUGH ENDOCYTOSIS OF $Na_v1.2$ SODIUM CHANNELS	09:30 - 09:30
<i>Speaker:</i> Zhuo Huang (China)		
PS03-27AM-223	INVESTIGATION OF N-ACETYL SPERMIN MECHANISM OF ACTION IN AN EX VIVO MODEL OF HUMAN BRAIN NEOCORTEX AND ITS USE AS A POTENTIAL ANTISEIZURE MEDICATION COMPOUND	09:30 - 09:30
<i>Speaker:</i> Alice Podestà (Germany)		
PS03-27AM-224	BEHAVIORAL AND NEUROTRANSMITTER CHANGES ON	09:30 - 09:30

	ANTIEPILEPTIC DRUGS TREATMENT IN THE ZEBRAFISH PENTYLENETETRAZOL-INDUCED SEIZURE MODEL	
	<i>Speaker:</i> Kazuo Okanari (Japan)	
PS03-27AM-225	CHEMOGENETIC MODULATION OF CX3CR1⁺ MICROGLIA IN THE INTRAHIPPOCAMPAL KAINIC ACID MOUSE MODEL OF DRUG- RESISTANT TEMPORAL LOBE EPILEPSY	09:30 - 09:30
	<i>Speaker:</i> Jo Bossuyt (Belgium)	
PS03-27AM-226	EFFECTS OF NEUROPEPTIDE S RECEPTOR SIGNALING ON EPILEPTIFORM ACTIVITY IN THE PIRIFORM CORTEX OF MICE	09:30 - 09:30
	<i>Speaker:</i> ismail Abidin (Turkey)	
PS03-27AM-227	A3 ADENOSINE RECEPTOR ACTIONS OF A NOMINALLY A1 RECEPTOR SELECTIVE AGONIST	09:30 - 09:30
	<i>Speaker:</i> Anwasha Ghosh (Portugal)	
PS03-27AM-228	EMBEDDED SYSTEM FOR RESPONSIVE OPTOGENETIC CONTROL OF SPONTANEOUS SEIZURES IN TEMPORAL LOBE EPILEPSY	09:30 - 09:30
	<i>Speaker:</i> Sofie Lasure (Belgium)	
PS03-27AM-229	BDNF RESCUES ABSENCE SEIZURES AND THEIR COMORBID MEMORY DEFICITS	09:30 - 09:30
	<i>Speaker:</i> Tatiana Morais (United Kingdom)	
PS03-27AM-230	SELECTIVE NKCC1 INHIBITORS FOR THE TREATMENT OF BRAIN DISORDERS WITH DEFECTIVE CHLORIDE HOMEOSTASIS	09:30 - 09:30
	<i>Speaker:</i> Annalisa Savardi (Italy)	
PS03-27AM-231	RNA-BASED STRATEGIES TO RESCUE INHIBITION AS POTENTIAL TREATMENT FOR GABRA1-DEPENDENT EPILEPSY	09:30 - 09:30
	<i>Speaker:</i> Sara Nencini (Italy)	
PS03-27AM-232	IDENTIFICATION OF KAINIC ACID-MEDIATED CONCENTRATION- DEPENDENT RESPONSES ON HUMAN CORTICAL NEURONAL NETWORKS <i>IN VITRO</i>	09:30 - 09:30
	<i>Speaker:</i> Lotta Isosaari (Finland)	
PS03-27AM-233	NOVEL RAT MODEL OF DRAVET SYNDROME REVEALS FENFLURAMINE'S ANTIEPILEPTIC MECHANISM	09:30 - 09:30
	<i>Speaker:</i> Hong Wang (China)	
PS03-27AM-234	STIRIPENTOL HAS A DIRECT PHARMACODYNAMIC PROTECTIVE EFFECT AGAINST SEIZURES AND DEATH IN A MOUSE MODEL OF SUDEP	09:30 - 09:30
	<i>Speaker:</i> Emmanuelle Simon O'Brien (France)	
PS03-27AM-235	EXPLORING CHEMOCONVULSANT INDUCED NON-CODING RNA DYNAMICS IN RAT PRIMARY CORTICAL CELL CULTURES	09:30 - 09:30
	<i>Speaker:</i> Meheli Banerjee (Finland)	
PS03-27AM-236	A PH-SENSITIVE CLOSED-LOOP NANOMACHINE TO CONTROL HYPEREXCITABILITY AT THE SINGLE NEURON LEVEL	09:30 - 09:30
	<i>Speaker:</i> Caterina Michetti (Italy)	
PS03-27AM-237	PHARMACOLOGICAL CHARACTERIZATION OF A NOVEL KV7 POTASSIUM CHANNELS ACTIVATOR IDENTIFIED THROUGH A DRUG REPURPOSING STRATEGY	09:30 - 09:30
	<i>Speaker:</i> Giusy Carleo (Italy)	
PS03-27AM-238	CNS-TARGETED ANTIOXIDANT GENE THERAPY FOR TREATING EPILEPSY	09:30 - 09:30
	<i>Speaker:</i> Tawfeeq Shekh-Ahmad (Israel)	
PS03-27AM-239	TARGETING DYSREGULATED LONG NON-CODING RNA EXPRESSION AS NEW THERAPEUTIC STRATEGY IN TEMPORAL	09:30 - 09:30

LOBE EPILEPSY*Speaker:* Theresa Auer (Ireland)

PS03-27AM-240 **PHOTOPHARMACOLOGY IN THE SPOTLIGHT: SPATIALLY SELECTIVE ADENOSINERGIC MODULATION OF HIPPOCAMPAL EXCITABILITY IN THE PURSUIT OF THERAPEUTIC INNOVATION IN TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Marijke Vergaelen (Belgium)

PS03-27AM-241 **IN SILICO IDENTIFICATION, SYNTHESIS AND IN VITRO PHARMACOLOGICAL CHARACTERIZATION OF POTENT AND SELECTIVE BLOCKERS OF THE EPILEPSY-ASSOCIATED KCNT1 POTASSIUM CHANNEL** 09:30 - 09:30

Speaker: Lidia Carotenuto (Italy)

PS03-27AM-243 **THE EFFECT OF TRPM2 INHIBITION ON 4-AP-INDUCED SEIZURE IN MOUSE BRAIN SLICE AND 4-AP-INDUCED NEURONAL DAMAGE IN HT-22 MOUSE HIPPOCAMPAL NEURONAL CELL LINE** 09:30 - 09:30

Speaker: Ahmet Taskiran (Turkey)

PS03-27AM-244 **CHARACTERIZATION OF THE PATHOPHYSIOLOGICAL MECHANISMS OF KCNQ2- DEVELOPMENTAL AND EPILEPTIC ENCEPHALOPATHY (KCNQ2-DEE) IN THE $K_v7.2^{THR274MET/+}$ MOUSE MODEL** 09:30 - 09:30

Speaker: Shaimaa Haiba (Germany)

PS03-27AM-245 **ROLE OF KV7 CHANNELS IN RENIN ANGIOTENSIN SYSTEM (RAS)-INDUCED DISRUPTION OF THE BLOOD-BRAIN BARRIER** 09:30 - 09:30

Speaker: Camilla Celentano (Italy)

PS03-27AM-246 **GDNF SIGNALLING PATHWAYS IN ABSENCE SEIZURES** 09:30 - 09:30

Speaker: Klaudia Wojtal (Netherlands)

PS03-27AM-247 **ANTISEIZURE EFFECTS OF LILII BULBUS ON PENTYLENETETRAZOL KINDLING-INDUCED SEIZURES IN MICE: INVOLVEMENT OF REELIN, NETRIN-1, AND SEMAPHORIN** 09:30 - 09:30

Speaker: HEERA PARK (Korea, Republic of)

PS03-27AM-248 **DREADD-BASED MANIPULATION OF HIPPOCAMPAL ASTROCYTE GQ SIGNALLING IN A CHRONIC MOUSE MODEL OF MEDIAL TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Dimitri De Bundel (Belgium)

PS03-27AM-249 **ASTROCYTE-BASED INTERLEUKIN-2 GENE THERAPY IN TEMPORAL LOBE EPILEPSY** 09:30 - 09:30

Speaker: Evelien Hendrix (Belgium)

PS03-27AM-250 **BOOSTING AS THERAPEUTIC APPROACH A HOMEOSTATIC RESPONSE PLAYED BY CHOLECYSTOKININ (CCK)-POSITIVE BASKET GABAERGIC NEURONS IN $SCN1A^{+/-}$ DRAVET SYNDROME MICE** 09:30 - 09:30

Speaker: Evgeniia Rusina (France)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 03 - Synaptic Signalling in Neurological Disorders

PS03-27AM-047 **NEUROLIGIN-2 DIFFERENTIALLY REGULATES INNATE AND CONDITIONED DEFENSIVE BEHAVIORS THROUGH DISTINCT AMYGDALA CIRCUITS** 09:30 - 09:30

Speaker: Diego Pascual Cuadrado (Germany)

PS03-27AM-048 **NEUROANATOMICAL CHARACTERISATION OF THE CELL ADHESION MOLECULE IGSF9B REVEALS HETEROGENEOUS SYNAPTIC LOCALIZATION ACROSS DIFFERENT REGIONS OF THE** 09:30 - 09:30

MOUSE BRAIN*Speaker:* Federico Rotondo (Germany)

PS03-27AM-049 **IMPAIRED EXCITATORY AND INHIBITORY SYNAPTIC PLASTICITY IN THE NLGN3-R451C MOUSE MODEL OF AUTISM SPECTRUM DISORDER** 09:30 - 09:30

Speaker: MARTINA BRUNO (Italy)

PS03-27AM-050 **THE ROLE OF TCF7L2 TRANSCRIPTION FACTOR IN THE FUNCTION OF THALAMOCORTICAL CIRCUITS** 09:30 - 09:30

Speaker: Katarzyna Hryniewiecka (Poland)

PS03-27AM-051 **HETEROZYGOSITY FOR NEURODEVELOPMENTAL DISORDER-ASSOCIATED *TRIO* VARIANTS LEAD TO DISTINCT DEFICITS IN NEURONAL DEVELOPMENT AND FUNCTION.** 09:30 - 09:30

Speaker: Yevheniia Ishchenko (United States)

PS03-27AM-052 **DEFICIT OF PARVALBUMIN-POSITIVE INTERNEURONS AND OVERFUNCTION OF SOMATOSTATIN-POSITIVE INTERNEURONS ARE INVOLVED IN THE HIPPOCAMPUS-DEPENDENT COGNITIVE IMPAIRMENT OF THE TS65DN MOUSE MODEL OF DOWN SYNDROME** 09:30 - 09:30

Speaker: Giulia Colombo (Italy)

PS03-27AM-053 **GENETIC BACKGROUND DETERMINES SYNAPTIC PHENOTYPES IN *ARID1B* HAPLOINSUFFICIENT MICE** 09:30 - 09:30

Speaker: Hyosang Kim (Korea, Republic of)

PS03-27AM-054 ***RABPHILIN3A*: FROM NMDA RECEPTOR SYNAPTIC RETENTION TO NEURODEVELOPMENTAL DISORDERS** 09:30 - 09:30

Speaker: Marta Barzasi (Italy)

PS03-27AM-055 **NEUROBEACHIN MEDIATES ACTIVITY-DEPENDENT CHANGES AT GABAERGIC SYNAPSES** 09:30 - 09:30

Speaker: Felix Lützenkirchen (Germany)

PS03-27AM-057 **ROLE OF B3 INTEGRIN IN CORTICAL SYNAPTIC TRANSMISSION: RELEVANCE FOR EPILEPSY AND AUTISM** 09:30 - 09:30

Speaker: Jessica Muià (Italy)

PS03-27AM-058 **THE ROLE OF NEUREXIN-1 ALPHA IN INHIBITORY SYNAPTIC FUNCTION AND CORTICAL EXCITATION-INHIBITION BALANCE** 09:30 - 09:30

Speaker: Martyna Panasiuk (United Kingdom)

PS03-27AM-059 **UPREGULATION OF *NEGR1* CONVERGES INTO CORE IMPAIRED PROCESSES IN AUTISM SPECTRUM DISORDERS** 09:30 - 09:30

Speaker: Mariam Marie Chellali (Italy)

PS03-27AM-060 **COMPARATIVE ELECTROPHYSIOLOGICAL ANALYSIS OF AV AND B3 INTEGRIN KNOCK-OUT MICE** 09:30 - 09:30

Speaker: Riccardo Ruggeri (Italy)

PS03-27AM-061 **DECREASED SYNAPTIC GABAERGIC INHIBITION IN THE DENTATE GYRUS OF A MOUSE MODEL OF THE NEURODEVELOPMENTAL DISORDER BBSOAS** 09:30 - 09:30

Speaker: Eleonora Dallorto (Italy)

PS03-27AM-062 **DELVING INTO SYNAPTIC ACTIVITY IN AUTISM: NITRIC OXIDE PATHWAY AND GLUTAMATE/GABA RATIO** 09:30 - 09:30

Speaker: Valeria Lorena Cabedo Navarro (Spain)

PS03-27AM-063 **CEREBELLAR BDNF SIGNALING DOWNREGULATION AND AUTISTIC-LIKE TRAITS: INSIGHTS FROM A CHOLESTEROL STORAGE DISORDER MOUSE MODEL** 09:30 - 09:30

Speaker: Greta Massa (Italy)

PS03-27AM-064	PARVALBUMIN INTERNEURONS ARE RELATED WITH AUTISTIC-LIKE BEHAVIOURS AND ALTERED CORTICAL EXCITABILITY IN PV-CRE/PCDH19 CKO MICE	09:30 - 09:30
<i>Speaker:</i> Sara Riccardi (Italy)		
PS03-27AM-065	SYNAPSIN TRIPLE KNOCKOUT MICE DISPLAY SOCIAL AND COGNITIVE DEFICITS COUPLED TO CORTICAL GLUTAMATERGIC DYSFUNCTION	09:30 - 09:30
<i>Speaker:</i> Noemi Nicosia (Italy)		
PS03-27AM-066	IMPAIRED FLEXIBILITY DURING SOCIAL LEARNING IN NLGN3-R451C ASD MODEL	09:30 - 09:30
<i>Speaker:</i> Suin Lim (United States)		
PS03-27AM-067	SORTING NEXIN 27 NEURONAL SILENCING IMPAIRS COGNITIVE FUNCTION AND INCREASES COCAINE SENSITIVITY	09:30 - 09:30
<i>Speaker:</i> Gisela Armada (Portugal)		
PS03-27AM-068	BEHAVIORAL REGRESSION IN SYN II KO MICE: FROM LATENT SYNAPTOPATHY TO OVERT DYSFUNCTIONS IN MULTISENSORY SOCIAL PROCESSING	09:30 - 09:30
<i>Speaker:</i> Lorenzo Ciano (Italy)		
PS03-27AM-069	CHEMOGENETIC ELEVATION OF HIPPOCAMPAL EXCITABILITY UNMASKS LATENT ASD RISKS IN NON-AUTISTIC MICE DIFFERING IN HIPPOCAMPAL AMBRA1 EXPRESSION AND/OR SEX	09:30 - 09:30
<i>Speaker:</i> Margherita De Intron (Italy)		
PS03-27AM-070	RECTIFYING INTERNEURON DEVELOPMENTAL TRAJECTORY PREVENTS THE CORE SYMPTOMS OF AUTISM SPECTRUM DISORDER IN MICE	09:30 - 09:30
<i>Speaker:</i> Shaam Al Abed (Australia)		
PS03-27AM-071	ALTERED EXCITATORY/INHIBITORY BALANCE IN THE PREFRONTAL CORTEX OF THE IB2 KO MOUSE MODEL OF AUTISM: FROM NEURONAL EXCITABILITY TO CEREBELLAR MODULATION <i>IN VIVO</i>	09:30 - 09:30
<i>Speaker:</i> Eleonora Pali (Italy)		
PS03-27AM-072	GRIK1 EXPRESSION AT OLM INTERNEURONS IN THE HIPPOCAMPUS AND MEMORY DEFICITS IN DOWN SYNDROME	09:30 - 09:30
<i>Speaker:</i> Beatriz Fernández-Arroyo (Spain)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Spatial Cognition across Species		
PS03-27AM-570	NEURONAL SIGNATURE OF SPATIAL MEMORY IN THE HIPPOCAMPUS OF HOMING PIGEONS	09:30 - 09:30
<i>Speaker:</i> Marie Ziegler (Germany)		
PS03-27AM-571	FUNCTIONAL MRI OF SLEEPING PIGEONS	09:30 - 09:30
<i>Speaker:</i> Mehdi Behroozi (Germany)		
PS03-27AM-572	A WINDOW INTO THE AWAKE AVIAN BRAIN: RESTING-STATE NETWORK CONNECTIVITY IN PIGEONS	09:30 - 09:30
<i>Speaker:</i> Alaleh Sadraee (Germany)		
PS03-27AM-573	ASSESSING NEOPHILIA AND NEOPHOBIA IN PIGEONS	09:30 - 09:30
<i>Speaker:</i> Mary Flaim (Germany)		
PS03-27AM-574	FROM PATCH TO PATCH: A 3D POSE TRACKING STUDY OF PIGEON FORAGING BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Guillermo Hidalgo Gadea (Germany)		

PS03-27AM-575	ACHIEVING CELL-TYPE SPECIFIC TRANSDUCTION WITH ADENO-ASSOCIATED VIRAL VECTORS IN PIGEONS (COLUMBA LIVIA)	09:30 - 09:30
	<i>Speaker:</i> Kevin Haselhuhn (Germany)	
PS03-27AM-576	FIBER DENSITY ANALYSIS OF THE CATECHOLAMINERGIC PROJECTIONS IN THE JAPANESE QUAIL	09:30 - 09:30
	<i>Speaker:</i> Sinem Gençtürk (Turkey)	
PS03-27AM-577	PIGEONPOSE: AN INTEGRATED PIPELINE FOR MARKERLESS 3D TRACKING OF PIGEON BEHAVIOR	09:30 - 09:30
	<i>Speaker:</i> Noemi Rook (Germany)	
PS03-27AM-578	HIPPOCAMPAL CODING: A STUDY ON SPATIAL COGNITION IN PIGEONS	09:30 - 09:30
	<i>Speaker:</i> Masahiro Inda (Germany)	
PS03-27AM-579	A BEHAVIORAL STUDY TO INVESTIGATE FLASH SUPPRESSION IN PIGEONS	09:30 - 09:30
	<i>Speaker:</i> Gianmarco Maldarelli (Germany)	
PS03-27AM-580	THE FUNCTIONAL PROPERTIES OF THREE FOREBRAIN STAGES OF THE PIGEON TECTOFUGAL SYSTEM	09:30 - 09:30
	<i>Speaker:</i> Celil Semih Sevincik (Germany)	
PS03-27AM-581	ENACTED COGNITION - PIGEONS' PECKING BEHAVIOR IS PREDICTIVE OF THEIR UPCOMING CHOICE	09:30 - 09:30
	<i>Speaker:</i> Robert Willma (Germany)	
PS03-27AM-582	SINGLE CELL CORRELATES OF MULTITASKING IN HIGHER ASSOCIATIVE AREAS OF THE PIGEON BRAIN	09:30 - 09:30
	<i>Speaker:</i> John Tuff (Germany)	
PS03-27AM-583	DISSOCIATIONS BETWEEN CHOICE, EFFORT, AND PROFITABILITY IN PIGEONS	09:30 - 09:30
	<i>Speaker:</i> Patrick Anselme (Germany)	
PS03-27AM-584	NEURAL REPRESENTATION OF CONSPECIFICS IN THE PIGEON'S VISUAL STREAM	09:30 - 09:30
	<i>Speaker:</i> Sara Silva (Germany)	
PS03-27AM-585	BEHAVIORAL MECHANISMS OF COGNITIVE CONTROL IN JACKDAWS (CORVUS MONEDULA): INVESTIGATING ATTENTION AND WORKING MEMORY	09:30 - 09:30
	<i>Speaker:</i> Farina Lingstädt (Germany)	
PS03-27AM-586	STIMULUS CONTIGUITY DETERMINES CONTEXT IN APPETITIVE EXTINCTION LEARNING	09:30 - 09:30
	<i>Speaker:</i> Juan Medina Peschken (Germany)	
PS03-27AM-587	ANALYZING VOCALIZATION BEHAVIOR OF JACKDAWS (CORVUS MONEDULA) USING CROWTONE, A SUITE OF MODERN TECHNIQUES INCLUDING DEEP NEURAL NETWORKS	09:30 - 09:30
	<i>Speaker:</i> Lutz Wehrland (Germany)	
PS03-27AM-588	DECODING VISUAL PROCESSING IN PIGEON PALLIUM	09:30 - 09:30
	<i>Speaker:</i> Wei Lin Seah (Germany)	
PS03-27AM-589	HOME VECTOR DEGRADES OVER SHORT TIMESCALES DURING PATH INTEGRATION IN THE FIDDLER CRAB, LEPTUCA PUGILATOR	09:30 - 09:30
	<i>Speaker:</i> Ruma Chatterji (United States)	
PS03-27AM-590	USING MINECRAFT TO INVESTIGATE THE NEUROBIOLOGICAL MECHANISMS OF HUMAN HUNTING BEHAVIOUR	09:30 - 09:30
	<i>Speaker:</i> Emre Yavuz (United Kingdom)	

PS03-27AM-591	MORPHOLOGICAL AND VOLUMETRIC ANALYSES OF THE BRAIN OF TWO PINNIPED SPECIES - DO THEY SHOW PARALLELS WITH CETACEAN BRAINS?	09:30 - 09:30
<i>Speaker:</i> Nina Patzke (Germany)		
PS03-27AM-592	TOWARDS THE NEURAL BASIS OF THE MAGNETIC SENSE IN SUBTERRANEAN MOLE-RATS: BEHAVIOR AND RECORDINGS	09:30 - 09:30
<i>Speaker:</i> Pascal Malkemper (Germany)		
PS03-27AM-593	THE INVOLVEMENT OF THE DOPAMINERGIC SYSTEM IN TUMBLING BEHAVIOR OF PIGEONS (<i>COLUMBA LIVIA</i>)	09:30 - 09:30
<i>Speaker:</i> Buse Pinar Cankurtaran (Turkey)		
PS03-27AM-594	NEURAL REPRESENTATION OF COLOR IN THE PIGEON BRAIN	09:30 - 09:30
<i>Speaker:</i> Simon Nimpf (Germany)		
PS03-27AM-595	A MINIMAL MAGNETOSENSORY CIRCUIT IN THE PIGEON BRAIN	09:30 - 09:30
<i>Speaker:</i> Spencer Balay (Germany)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Hippocampal Memory Function		
PS03-27AM-122	LINKING HIPPOCAMPAL POPULATION FIRING DYNAMICS TO RIPPLES LAMINAR PROFILES	09:30 - 09:30
<i>Speaker:</i> Manfredi Castelli (United Kingdom)		
PS03-27AM-123	ORGANIZING THE COACTIVITY STRUCTURE OF THE HIPPOCAMPUS FROM ROBUST TO FLEXIBLE MEMORY	09:30 - 09:30
<i>Speaker:</i> Giuseppe Pietro Gava (United Kingdom)		
PS03-27AM-124	BRAIN-DISTRIBUTED NEURAL REPRESENTATION OF TIMING BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Melissa Serrano (United Kingdom)		
PS03-27AM-125	ELECTROPHYSIOLOGICAL DESCRIPTION OF CA1 RADIATUM/LACUNOSUM-MOLECULARE INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Demi Brizee (United Kingdom)		
PS03-27AM-126	COMPARATIVE ANALYSIS OF OSCILLATORY DYNAMICS IN THE HUMAN AND RODENT BRAINS	09:30 - 09:30
<i>Speaker:</i> Adrien Causse (United Kingdom)		
PS03-27AM-127	MATURATION OF SHARP WAVE RIPPLES SUBTYPES AND SUBSEQUENT CORTICAL DYNAMICS DURING DEVELOPMENTAL SLEEP	09:30 - 09:30
<i>Speaker:</i> Brijesh Modi (Norway)		
PS03-27AM-128	MICROSTRUCTURE OF SLEEP AND SLEEP OSCILLATION DYNAMICS ACROSS THE LIFESPAN	09:30 - 09:30
<i>Speaker:</i> Solomiia Korchynska (Norway)		
PS03-27AM-129	HIPPOCAMPUS-CORTEX COMMUNICATION AND GLOBAL BRAIN HEMODYNAMICS DURING HIPPOCAMPAL RIPPLES OBSERVED WITH FUNCTIONAL ULTRASOUND IMAGING	09:30 - 09:30
<i>Speaker:</i> Antoine Bergel (Canada)		
PS03-27AM-130	CORTICAL HEAD-DIRECTION CELL ACTIVITY IS RIGIDLY ORGANIZED AND STABLE ACROSS WEEKS	09:30 - 09:30
<i>Speaker:</i> Sofia Skromne Carrasco (Canada)		
PS03-27AM-131	SHARP WAVES OF THE HEAD-DIRECTION SYSTEM	09:30 - 09:30
<i>Speaker:</i> Guillaume Viejo (United States)		
PS03-27AM-132	THE CODING SOLOIST: A SUBPOPULATION OF NEURONS WITH	09:30 - 09:30

	VIRTUALLY NO SENSORY MODULATION IN THE HEAD-DIRECTION NEOCORTEX	
	<i>Speaker:</i> Sara Mahallati (Canada)	
PS03-27AM-133	HIPPOCAMPAL-THALAMO-CORTICAL COUPLING IN SPATIAL LEARNING AND MEMORY CONSOLIDATION	09:30 - 09:30
	<i>Speaker:</i> Myriam Azzarelli (France)	
PS03-27AM-134	NETWORK DETERMINANTS OF EPILEPSY MULTIDIEN CYCLICITY	09:30 - 09:30
	<i>Speaker:</i> Marco Pompili (France)	
PS03-27AM-135	IDENTIFYING CRITICAL BRAIN-WIDE INFORMATION FLOWS THROUGH NEURONAL CELL ASSEMBLIES	09:30 - 09:30
	<i>Speaker:</i> Pietro Bozzo (France)	
PS03-27AM-136	SHARP-WAVE RIPPLES TRANSMIT HIPPOCAMPAL TO NEOCORTICAL INFORMATION. A HUMAN SINGLE-NEURON STUDY	09:30 - 09:30
	<i>Speaker:</i> Fabian Schwimmbeck (Austria)	
PS03-27AM-137	HUMAN SINGLE NEURONS LOCK TO THETA PHASES DURING MEMORY ENCODING AND RETRIEVAL	09:30 - 09:30
	<i>Speaker:</i> Tim Guth (Germany)	
PS03-27AM-138	SLEEP STAGE-DEPENDENT FUNCTIONAL COUPLING BETWEEN PGO WAVES AND HIPPOCAMPAL ENSEMBLES IN MICE	09:30 - 09:30
	<i>Speaker:</i> Tomomi Tsunematsu (Japan)	
PS03-27AM-139	STATE-DEPENDENT LATERALIZATION OF HIPPOCAMPAL ELECTROPHYSIOLOGICAL ACTIVITY IN URETHANE ANESTHETIZED RATS	09:30 - 09:30
	<i>Speaker:</i> Miriam Nokia (Finland)	
PS03-27AM-140	WAKEFUL SLOW, OSCILLATORY, TRANSCRANIAL ELECTRICAL STIMULATION (SO-TES) DOES NOT INFLUENCE OVERNIGHT MEMORY CONSOLIDATION, BUT MAY ALTER CHARACTERISTICS OF SUBSEQUENT SLEEP	09:30 - 09:30
	<i>Speaker:</i> Julia Wood (Australia)	
PS03-27AM-141	RIPPLE EVENTS IN THE PRIMATE VISUAL CORTEX	09:30 - 09:30
	<i>Speaker:</i> Katarína Studeničová (Czech Republic)	
PS03-27AM-142	GENE EXPRESSIONS RELATED TO HIPPOCAMPAL RIPPLES	09:30 - 09:30
	<i>Speaker:</i> Haruya Yagishita (Japan)	
PS03-27AM-143	THE IMPACT OF MEMORY CONSOLIDATION ON REM SLEEP ARCHITECTURE IN RODENTS: AN INSIGHT INTO PHASIC AND TONIC SUBSTATES	09:30 - 09:30
	<i>Speaker:</i> Abdelrahman (Abdel) Rayan (Netherlands)	
PS03-27AM-144	BURSTS OF HIGH FREQUENCY OSCILLATIONS UNDERLIE ENCODING AND RECALL OF SPECIFIC MEMORY ITEMS	09:30 - 09:30
	<i>Speaker:</i> Jan Cimbalnik (Czech Republic)	
PS03-27AM-145	CLOSED-LOOP ACOUSTIC STIMULATION TARGETING MEMORY CONSOLIDATION IN MICE	09:30 - 09:30
	<i>Speaker:</i> Lisa Marshall (Germany)	
PS03-27AM-146	CAUSAL ROLE OF PFC-M1 COORDINATION DURING SLEEP IN LONG-TERM MOTOR MEMORY CONSOLIDATION	09:30 - 09:30
	<i>Speaker:</i> Jaekyung Kim (Korea, Republic of)	
PS03-27AM-147	EMOTIONAL MEMORY REACTIVATION SUPPORTS FLEXIBLE SLEEP STRATEGIES	09:30 - 09:30
	<i>Speaker:</i> Menghan Yu (China)	

PS03-27AM-148	DRIFTING MEMORIES: SLEEP STAGES PLAY OPPOSITE ROLES IN RESHAPING MEMORY REPRESENTATIONS	09:30 - 09:30
<i>Speaker:</i> Federico Stella (Netherlands)		
PS03-27AM-149	HIPPOCAMPAL MYELINATION SPEEDS UP PV+BC INHIBITION AND RIPPLE FREQUENCIES	09:30 - 09:30
<i>Speaker:</i> David Vandael (Netherlands)		
PS03-27AM-150	MEMORY GENERALIZATION AND OVERGENERALIZATION IN SLEEP	09:30 - 09:30
<i>Speaker:</i> Ella Bar (Israel)		
PS03-27AM-151	ALTERED HIPPOCAMPAL SHARP-WAVE RIPPLES PLAYS A ROLE IN IMPAIRED MEMORY CONSOLIDATION IN CHRISTIANSON SYNDROME MOUSE MODEL	09:30 - 09:30
<i>Speaker:</i> Jamie Mustian (Canada)		
PS03-27AM-152	INTRINSIC BIOPHYSICAL PROPERTIES AND EXTRINSIC SPATIAL EXPERIENCE COLLABORATIVELY PRIME CA1 PYRAMIDAL CELLS TO REPLAY DURING SHARP-WAVE RIPPLES	09:30 - 09:30
<i>Speaker:</i> Xiaomin Zhang (Switzerland)		
PS03-27AM-153	PREDICTING MEMORY PERFORMANCES IN HUMANS USING CORTICALLY DISTRIBUTED SEEG SIGNALS	09:30 - 09:30
<i>Speaker:</i> Ana Reinartz Groba (Norway)		
PS03-27AM-154	INHIBITORY PLASTICITY SUPPORTS CONSOLIDATION OF GENERALIZABLE MEMORIES	09:30 - 09:30
<i>Speaker:</i> Zhenrui Liao (United States)		
PS03-27AM-155	DIVERSITY OF CORTICAL SPINDLES IN RODENTS, A ROLE FOR EXPERIENCE ENCODING?	09:30 - 09:30
<i>Speaker:</i> Annie Durand-Marandi (United Kingdom)		
PS03-27AM-156	SLEEP SLOW OSCILLATION-SPINDLE COUPLING PRECEDES SPINDLE-RIPPLE COUPLING DURING DEVELOPMENT	09:30 - 09:30
<i>Speaker:</i> Julia Fechner (Germany)		
PS03-27AM-157	THE ROLE OF SLEEP IN THE ABSTRACTION OF SPATIAL CONTEXT MEMORY IN TODDLERS	09:30 - 09:30
<i>Speaker:</i> Lisa-Marie Bastian (Germany)		
PS03-27AM-158	EXPLORING CORTICO-HIPPOCAMPAL DYNAMICS DURING SHARP-WAVE RIPPLES WITH MONTHS-LONG TRACKING OF NEURONAL ENSEMBLES VIA ULTRA-FLEXIBLE TENTACLE ELECTRODES	09:30 - 09:30
<i>Speaker:</i> Peter Gombkoto (Switzerland)		
PS03-27AM-159	TWO DISTINCT WAYS TO FORM LONG-TERM OBJECT RECOGNITION MEMORY DURING SLEEP AND WAKEFULNESS	09:30 - 09:30
<i>Speaker:</i> Max Harkotte (Germany)		
PS03-27AM-160	SOMATO-DENDRITIC DECOUPLING IN THE RETROSPLLENIAL CORTEX NEURONS DURING REM SLEEP	09:30 - 09:30
<i>Speaker:</i> Micaela Borsa (Switzerland)		
PS03-27AM-161	CASCADING MEMORY SEARCH AS A BRIDGE BETWEEN EPISODIC MEMORIES AND SEMANTIC KNOWLEDGE	09:30 - 09:30
<i>Speaker:</i> Achiel Fenneman (Austria)		
PS03-27AM-162	REPLAY OF LETTER STRINGS BY SINGLE NEURONS IN MEDIAL TEMPORAL LOBE AND AUDITORY CORTEX EEG DURING VERBAL WORKING MEMORY MAINTENANCE	09:30 - 09:30
<i>Speaker:</i> Filippo Costa (Switzerland)		

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Poster Session 03 - Adaptation Mechanisms in Disorders

- PS03-27AM-025 **INDIVIDUAL BEHAVIORAL PROFILING AS A TRANSLATIONAL APPROACH FOR ASSESSING TREATMENT RESPONSIVENESS IN AN ANIMAL MODEL OF PTSD** 09:30 - 09:30
Speaker: Maja Snippe Strauss (Israel)
- PS03-27AM-026 **DIETARY RESTRICTION RESCUES ADAPTIVE BEHAVIORS IN PTSD-LIKE RATS** 09:30 - 09:30
Speaker: Amir Benhos (Israel)
- PS03-27AM-027 **EXPLORING THE INFLUENCE OF DISTINCT DENTATE GYRUS INTERNEURON SUBTYPES ON COPING BEHAVIOR** 09:30 - 09:30
Speaker: Adi Tenenhaus Zamir (Israel)
- PS03-27AM-028 **CARBON MONOXIDE AS POTENT MODULATOR OF PAIN- AND ANXIETY- RELATED BEHAVIOR IN EXPERIMENTAL CHRONIC PELVIC PAIN SYNDROME** 09:30 - 09:30
Speaker: Nikola Šutulović (Serbia)
- PS03-27AM-029 **REDUCED LIGHT EXPOSURE AS A LIFE-STYLE MEASURE FOR THE ALLEVIATION OF DIABETES-INDUCED ANXIETY - THE LINK WITH OXIDATIVE STRESS** 09:30 - 09:30
Speaker: Dusan Mladenovic (Serbia)
- PS03-27AM-030 **LINDANE TOXICITY AMELIORATION BY DELTA SLEEP PEPTIDE SUPPLEMENTATION: ADVANCED EEG STUDY** 09:30 - 09:30
Speaker: Olivera Stanojlovic (Serbia)
- PS03-27AM-031 **FERULIC ACID SUPPLEMENTATION AMELIORATES LINDANE NEUROTOXICITY: THE EFFECTS ON ANXIETY-LIKE BEHAVIOR** 09:30 - 09:30
Speaker: Dragan Hrnčić (Serbia)
- PS03-27AM-032 **CORTICOSTERONE AS A PREVENTIVE TREATMENT FOR A PTSD-LIKE ANIMAL MODEL AND ITS IMPACT ON THE NEURAL ACTIVITY OF THE BASOLATERAL AMYGDALA** 09:30 - 09:30
Speaker: Leire Rodriguez Romero (Spain)
- PS03-27AM-033 **BETA-CARYOPHYLLENE (BCP) AND STRESS RESILIENCE: BEHAVIORAL AND MOLECULAR INSIGHTS IN DEPRESSION-RELATED DISORDERS** 09:30 - 09:30
Speaker: Basak Gündüz (Germany)
- PS03-27AM-034 **UNRAVELING THE MECHANISMS UNDERLYING CORTICOSTERONE-INDUCED IMPAIRMENT IN NOVEL OBJECT RECOGNITION IN MICE** 09:30 - 09:30
Speaker: Julia Welte (France)
- PS03-27AM-035 **DIFFERENTIAL NEURAL OSCILLATION DYNAMICS IN BASOLATERAL AMYGDALA AND MEDIAL PREFRONTAL CORTEX INDUCED BY ALLOPREGNANOLONE AND DIAZEPAM DURING SOCIAL BEHAVIOR** 09:30 - 09:30
Speaker: Yosuke Yawata (Japan)
- PS03-27AM-036 **CHOLECYSTOKININ A RECEPTOR IN THE MEDIAL PREOPTIC AREA GABAERGIC CELLS MODULATE MALE-SPECIFIC ANXIETY-LIKE BEHAVIORS** 09:30 - 09:30
Speaker: Yanyi Zhang (China)
- PS03-27AM-037 **EFFECT OF ENRICHED ENVIRONMENT AND ARIPIRAZOLE ON SELECTED BEHAVIORAL OUTCOMES AND NEUROGENIC MARKERS IN ANIMAL MODEL OF PTSD** 09:30 - 09:30
Speaker: Jana Osacka (Slovakia)
- PS03-27AM-038 **INVESTIGATING THE GLUCOSE TRANSPORTER 2 POSITIVE** 09:30 - 09:30

CELLS IN THE MEDIAL PREFRONTAL CORTEX AND THEIR ASSOCIATION WITH POSTTRAUMATIC STRESS DISORDER IN A MICE MODEL

Speaker: Prabhat Kumar (Hungary)

PS03-27AM-039 **INTRANASAL CRHR2 AGONIST ADMINISTRATION MAY AFFECT NEGATIVE OUTCOME OF PTSD IN ANIMAL MODEL** 09:30 - 09:30

Speaker: Andrej Tillinger (Slovakia)

PS03-27AM-040 **CENTRALLY LOCATED TRANSIENT RECEPTOR POTENTIAL ANKYRIN 1 ION CHANNEL MAY EXERT DIVERSE IMPACT ON THE SYMPTOMS OF POSTTRAUMATIC STRESS DISORDER IN MICE** 09:30 - 09:30

Speaker: János Konkoly (Hungary)

PS03-27AM-041 **SAPORIN-ANTI-VESICULAR GABA TRANSPORTER CONJUGATES AS LESIONING AGENTS IN THE RAT BASOLATERAL AMYGDALA - A POTENTIAL TOOL TO CREATE A NEW ANIMAL MODEL OF PATHOLOGICAL ANXIETY?** 09:30 - 09:30

Speaker: Tamara Radukic (Serbia)

PS03-27AM-042 **BEHAVIOURAL CONTROL TRAINING PROMOTES ANTIDEPRESSANT/ANXIOLYTIC-LIKE REVERSAL OF CHRONIC STRESS-INDUCED BEHAVIOURAL DEFICITS: ENDOCANNABINOIDERGIC AND PROLACTINERGIC MECHANISMS** 09:30 - 09:30

Speaker: Francis Bambico (Canada)

PS03-27AM-043 **EFFECTS OF ALPRAZOLAM ON ANXIETY-RELATED BEHAVIOR IN AN INVERTEBRATE MODEL: ADVANCING TRANSLATIONAL NEUROSCIENCE** 09:30 - 09:30

Speaker: VERONICA RIVI (Italy)

PS03-27AM-044 **NETWORK-LEVEL DISRUPTIONS IN VULNERABLE INDIVIDUALS CONTRIBUTE TO ENHANCED FEAR GENERALIZATION IN A RODENT MODEL OF PTSD** 09:30 - 09:30

Speaker: Robert Daniel Marothy (Hungary)

PS03-27AM-045 **TESTOSTERONE RESCUES ANXIETY RELATED BLOOD BRAIN BARRIER DIFFERENCES IN THE NUCLEUS ACCUMBENS** 09:30 - 09:30

Speaker: Haissa de Castro (Switzerland)

PS03-27AM-046 **ACUTE STRESS VIA RETROGRADE ENDOCANNABINOID SIGNALING DISRUPTS ENGRAM ENSEMBLE SPECIFICITY TO GENERALIZE THREAT MEMORY IN MICE** 09:30 - 09:30

Speaker: Sylvie Lesuis (University of Amsterdam, Netherlands)

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Poster Session 03 - Decision Making

PS03-27AM-194 **NEUROCOMPUTATIONAL INVESTIGATION OF HUMAN SCHEMA-BASED LEARNING, DECISION MAKING AND THEIR MODULATORS IN ECOLOGICAL SETTINGS** 09:30 - 09:30

Speaker: Haiyun Kong (United Kingdom)

PS03-27AM-195 **COMPUTATIONAL MODEL-BASED ANALYSIS OF SPATIAL NAVIGATION STRATEGIES UNDER STRESS AND UNCERTAINTY USING PLACE, DISTANCE AND BORDER CELLS** 09:30 - 09:30

Speaker: Yanran Qiu (Germany)

PS03-27AM-196 **INVESTIGATING NEUROCOGNITIVE MECHANISMS AND MODULATORY FACTORS OF NEWS-RELATED DECISION MAKING USING MYNEWSSCAN PLATFORM** 09:30 - 09:30

Speaker: Yiyang Zhang (United Kingdom)

PS03-27AM-197 **EARLY SALIENCE SIGNALS PREDICT ASYMMETRY IN DECISION** 09:30 - 09:30

ACCURACY ACROSS REWARDING AND PUNISHING CONTEXTS*Speaker:* Sean Westwood (United Kingdom)

PS03-27AM-198 **SPATIOTEMPORAL DISSOCIATION OF REWARD COMPONENTS IN THE MIDBRAIN: AN EEG-FMRI 7T STUDY** 09:30 - 09:30

Speaker: Joana Carvalheiro (United Kingdom)

PS03-27AM-199 **COGNITIVE COMPUTATIONAL MODEL REVEALS REPETITION BIAS IN A SEQUENTIAL DECISION-MAKING TASK** 09:30 - 09:30

Speaker: Eric Legler (Germany)

PS03-27AM-200 **GOAL-DIRECTED MODULATION OF HABITUAL BEHAVIOUR** 09:30 - 09:30

Speaker: Sascha Frölich (Germany)

PS03-27AM-201 **NEURAL MECHANISMS OF HUMAN FOOD CHOICE: NUTRITIVE AND SENSORY FOOD PROPERTIES SHAPE ECONOMIC DECISIONS FOR ORALLY SAMPLED FOODS** 09:30 - 09:30

Speaker: Tavish Traut (United Kingdom)

PS03-27AM-202 **PRIMATE AMYGDALA NEURONS SIGNAL ORAL-SENSORY AND NUTRIENT REWARD COMPONENTS DURING VALUE-BASED DECISION-MAKING** 09:30 - 09:30

Speaker: Fei-Yang Huang (United Kingdom)

PS03-27AM-203 **BEHAVIOURAL AND NEURAL INFLUENCES OF SOCIAL PARTNER'S MOTIVATIONAL TYPE ON FOOD PREFERENCE** 09:30 - 09:30

Speaker: Tobias Johnson (United Kingdom)

PS03-27AM-204 **DYNAMIC CODES FOR REWARD PROBABILITY AND RISK IN PRIMATE AMYGDALA NEURONS** 09:30 - 09:30

Speaker: Fabian Grabenhorst (United Kingdom)

PS03-27AM-205 **REWARD EXPECTATION MODULATES NEURONAL DYNAMICS AND NETWORK ORGANIZATION IN PREMOTOR CORTEX** 09:30 - 09:30

Speaker: Valentina Giuffrida (Italy)

PS03-27AM-206 **THE INTERPLAY BETWEEN LOW AND HIGH LOCAL FIELD POTENTIAL OSCILLATION IN THE PREMOTOR CORTEX OF MONKEY REFLECTS THE DECISION PROCESSED DURING A TRANSITIVE INFERENCE TASK** 09:30 - 09:30

Speaker: ISABEL BEATRICE MARC (Italy)

PS03-27AM-207 **THE ROLE OF COMT VAL158MET POLYMORPHISM IMPACTS THE PERFORMANCE IN SOLVING TRANSITIVE INFERENCE PROBLEMS** 09:30 - 09:30

Speaker: Ann Paul (Italy)

PS03-27AM-208 **MODELING THE INTERPLAY OF MOTIVATION AND LEARNING IN MOUSE PERCEPTUAL DECISION-MAKING** 09:30 - 09:30

Speaker: Giulio Matteucci (Switzerland)

PS03-27AM-209 **STRATEGIC DECISION BIAS RELATES TO ALTERED PARIETAL EVIDENCE ACCUMULATION AND SCALES WITH TASK-EVOKED, BUT NOT BASELINE, NEUROMODULATOR ACTIVITY** 09:30 - 09:30

Speaker: Stijn Nuiten (Switzerland)

PS03-27AM-210 **SENSE OF AGENCY INCREASES THE NEUROPHYSIOLOGICAL IMPACT OF POSITIVE AND NEGATIVE ACTION OUTCOMES DURING GOAL-DIRECTED ACTION** 09:30 - 09:30

Speaker: Maren Giersiepen (Germany)

PS03-27AM-211 **A NEUROCOMPUTATIONAL APPROACH FOR EFFORT-BASED DECISION-MAKING: COMPARING SELF AND ENVIRONMENTAL MOTIVATION** 09:30 - 09:30

Speaker: Boryana Todorova (Austria)

PS03-27AM-212 **WHERE PERSONALITY, MEMORY AND DECISION-MAKING MEET:** 09:30 - 09:30

A COGNITIVE-BEHAVIORAL NEUROSCIENCE STUDY*Speaker:* Alejandro Sospedra Orellano (Spain)

PS03-27AM-213 **ASYMMETRICAL MODULATIONS OF DECISION AND MOVEMENT SPEEDS DURING SELF-PACED FORAGING REVEAL THE DORSAL STRIATUM SELECTIVE CONTRIBUTION TO EFFORT SENSITIVITY** 09:30 - 09:30

Speaker: Thomas Morvan (France)

PS03-27AM-214 **PUPIL DYNAMICS PRECEDING SWITCHES IN TASK ENGAGEMENT** 09:30 - 09:30

Speaker: Philippa Johnson (Netherlands)

PS03-27AM-215 **THE VIGOR OF COSTLY PUNISHMENTS: KINEMATICS INSIGHTS INTO SOCIO-ECONOMIC DECISION-MAKING** 09:30 - 09:30

Speaker: Oriana Pansardi (Germany)

PS03-27AM-216 **DIFFERENT PAVLOVIAN CONDITIONING STYLES INFLUENCE SUBOPTIMAL CHOICES** 09:30 - 09:30

Speaker: Luigi Degni (Italy)

PS03-27AM-217 **PROBING DIFFERENCES IN DECISION PROCESS SETTINGS ACROSS CONTEXTS AND INDIVIDUALS THROUGH JOINT RT-EEG HIERARCHICAL MODELLING** 09:30 - 09:30

Speaker: John Egan (Ireland)

PS03-27AM-218 **DO SOCIAL STIMULI RULE OVERT VISUAL ATTENTION PRIORITIES? AN EYE-TRACKING STUDY** 09:30 - 09:30

Speaker: Bertrand Beffara (France)*Poster Sessions*

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Poster Session 03 - Dendritic Protein Dynamics

PS03-27AM-396 **AN ACTIVITY-DEPENDENT LOCAL TRANSPORT REGULATION VIA LOCAL SYNTHESIS OF KINESIN SUPERFAMILY PROTEINS (KIFS) UNDERLYING COGNITIVE FLEXIBILITY** 09:30 - 09:30

Speaker: Suguru Iwata (Japan)

PS03-27AM-397 **KIF5B PLAYS IMPORTANT ROLES IN DENDRITIC SPINE PLASTICITY AND DENDRITIC LOCALIZATION OF PSD95 AND FMRP IN THE MOUSE CORTEX *IN VIVO*** 09:30 - 09:30

Speaker: Cora Sau Wan Lai (Hong Kong)

PS03-27AM-398 **HETEROGENEOUS AND SPECIFIC SYNAPTIC LOCALIZATION OF DIFFERENT MRNAS IN NEURONAL DENDRITES** 09:30 - 09:30

Speaker: Kwok On Lai (Hong Kong)

PS03-27AM-399 **THE SERINE-THREONINE KINASE NDR2 IMPAIRS SPATIAL MEMORY AND REGULATES AUTOPHAGY AND PROTEIN EXPRESSION IN THE SYNAPSES OF THE AGEING HIPPOCAMPUS** 09:30 - 09:30

Speaker: Miguel del Angel (Germany)

PS03-27AM-400 **NEURONS REPURPOSE THE INTEGRATED STRESS RESPONSE EFFECTOR GADD34 TO ENHANCE PROTEIN SYNTHESIS IN RESPONSE TO NEURONAL ACTIVITY** 09:30 - 09:30

Speaker: Mauricio Oliveira (United States)

PS03-27AM-401 **VEGFD SIGNALING BALANCES STABILITY AND ACTIVITY-DEPENDENT STRUCTURAL PLASTICITY OF DENDRITES** 09:30 - 09:30

Speaker: Daniela Mauceri (Germany)

PS03-27AM-402 **LOCAL PROTEIN SYNTHESIS IN CORTICAL LAYER 1** 09:30 - 09:30

Speaker: Teresa Spanò (Germany)

PS03-27AM-403 **FILAMIN A MODULATES DENDRITIC BRANCHING VIA INTEGRIN-AKT AXIS AND ACTIN CYTOSKELETON** 09:30 - 09:30

Speaker: Yunus Emre Demiray (Germany)

PS03-27AM-404 **ADAPTIVE DECISION-MAKING REQUIRES RNF10-MEDIATED SYNAPSE-TO-NUCLEUS SIGNALING** 09:30 - 09:30

Speaker: Diego Scheggia (Italy)

PS03-27AM-405 **TOWARDS A MATHEMATICAL MODEL OF MICROTUBULES IN NEURITES** 09:30 - 09:30

Speaker: Max Schelski (Germany)

PS03-27AM-406 **DENDRITIC MITOCHONDRIAL TRANSPORT IN MATURE NEURONS IS IMPORTANT FOR MOTOR SKILL LEARNING** 09:30 - 09:30

Speaker: Hae-Na Choi (Germany)

PS03-27AM-407 **MODULATION OF GAP43 EXPRESSION THROUGH NDR2 KINASE IN THE AGEING BRAIN** 09:30 - 09:30

Speaker: Allison Loaiza Zambrano (Germany)

PS03-27AM-408 **HOW THE MOLECULAR DYNAMICS IN AXONS SHAPE PRESYNAPTIC RESPONSE** 09:30 - 09:30

Speaker: Nestor Timonidis (Germany)

PS03-27AM-409 **DISENTANGLING PROTEIN SYNTHESIS, TRAFFICKING AND DEGRADATION ACROSS THE MOUSE BRAIN** 09:30 - 09:30

Speaker: Cornelius Bergmann (Germany)

PS03-27AM-410 **A PROTEIN-DRIVEN MULTI-SPINE PLASTICITY RULE** 09:30 - 09:30

Speaker: Janko Petkovic (Germany)

PS03-27AM-411 **HOW LOCAL PROTEIN SYNTHESIS AFFECTS THE SIZE OF DENDRITIC PROTEIN POOL** 09:30 - 09:30

Speaker: Kanaan Mousaei (Germany)

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Poster Session 03 - Chronic Pain Mechanisms

PS03-27AM-412 **POLYSOMAL PROFILING OF SPINAL CELLS AFTER PERIPHERAL NERVE INJURY** 09:30 - 09:30

Speaker: Camilla Beccarini (Switzerland)

PS03-27AM-413 **EPIGENETIC MODULATION OF BURN INJURY-INDUCED NOCICEPTION IN MURINE SPINAL CORD** 09:30 - 09:30

Speaker: Angelika Varga (Hungary)

PS03-27AM-414 **UNBIASED WHOLE-BRAIN SCREENS IDENTIFY AN AGRANULAR INSULA TO BASOLATERAL AMYGDALA PROJECTION THAT MEDIATES PAIN HYPERSENSITIVITY** 09:30 - 09:30

Speaker: May Hui (United States)

PS03-27AM-415 **INTERNEURONS IN THE NUCLEUS ACCUMBENS ALTER THEIR ELECTROPHYSIOLOGICAL PROPERTIES IN A MOUSE MODEL OF NEUROPATHIC PAIN** 09:30 - 09:30

Speaker: Ilaria Sanvido (Austria)

PS03-27AM-416 **PASSIVE TRANSFER OF IGG FROM PATIENTS WITH LONG-COVID NEUROLOGICAL SYMPTOMS INDUCES TACTILE ALLODYNIA IN MICE** 09:30 - 09:30

Speaker: Margaux Mignolet (Belgium)

PS03-27AM-417 **INTEGRATIVE ANALYSIS OF DESCENDING PAIN MODULATION** 09:30 - 09:30

Speaker: Xiaoke Chen (United States)

PS03-27AM-418 **TOP-DOWN SOMATOSENSORY CONTROL BY SPINALLY PROJECTING S1 NEURONS** 09:30 - 09:30

Speaker: Simon d'Aquin (Switzerland)

PS03-27AM-419 **FEMALE HYPERANDROGENISM INCREASES VULNERABILITY TO PAIN AND DEPRESSION IN A RAT MODEL OF POLYCYSTIC OVARY SYNDROME** 09:30 - 09:30

Speaker: Chengchun Wu (Taiwan)

PS03-27AM-420 **COMBINED ELECTROPHYSIOLOGIC AND TRANSCRIPTOMIC CHARACTERIZATION REVEALS DIFFERENT FUNCTIONAL POPULATIONS OF GABAERGIC SPINAL NEURONS IN NEUROPATHIC PAIN MOUSE MODEL** 09:30 - 09:30

Speaker: Yves Le Feuvre (France)

PS03-27AM-421 **NEUROINFLAMMATORY MECHANISMS OF PAIN HYPERSENSITIZATION IN A MOUSE MODEL OF ADHD** 09:30 - 09:30

Speaker: Sarah Bou Sader Nehme (France)

PS03-27AM-422 **OLFACTORY BULBECTOMY ACTIVATES ASTROCYTES WITHIN THE BASOLATERAL AMYGDALA AND ELICITS ALLODYNIA IN MALE RATS** 09:30 - 09:30

Speaker: julio cesar morales medina (Mexico)

PS03-27AM-423 **C-FOS BRAIN CONNECTOME IN MOUSE WITH CHRONIC CORNEAL PAIN** 09:30 - 09:30

Speaker: Jian Huang (France)

PS03-27AM-424 **ELECTROACUPUNCTURE AT NEUROGENIC INFLAMMATION SPOTS ATTENUATES HEPATIC DAMAGES IN BILE DUCT-LIGATED RATS** 09:30 - 09:30

Speaker: DOHEE KIM (Korea, Republic of)

PS03-27AM-425 **ANTERIOR CINGULATE CROSS-HEMISPHERIC PROJECTION TO THE CLAUSTRUM DETERMINES PRIORITIZATION IN PAINFUL SENSORY CONFLICT** 09:30 - 09:30

Speaker: Keisuke Koga (Japan)

PS03-27AM-426 **MUSIC IMPACT ON DOPAMINE DYNAMICS UPON OPIOID-BASED TREATMENT FOR CHRONIC PAIN** 09:30 - 09:30

Speaker: Montse Flores-García (Spain)

PS03-27AM-427 **PROLONGED ENHANCEMENT OF SPINAL CORD NEURON ACTIVITY BY SYNAPTIC INPUT FROM SENSORY NEURONS IN RECONSTRUCTED SENSORY-SPINAL CORD NETWORK IN VITRO** 09:30 - 09:30

Speaker: Yuki Miyahara (Japan)

PS03-27AM-428 **EFFECT OF VOLUNTARY WHEEL RUNNING ON THE ANTERIOR CINGULATE CORTEX IN NEUROPATHIC PAIN MICE** 09:30 - 09:30

Speaker: Kohei Oyabu (Japan)

PS03-27AM-429 **DOES SPREADING DEPRESSION REWIRE CORTICAL PAIN NETWORKS?** 09:30 - 09:30

Speaker: Bengisu Solgun (Turkey)

PS03-27AM-430 **ANTERIOR CINGULATE CORTEX HYPEREXCITABILITY IN A MOUSE MODEL OF ATTENTION-DEFICIT/HYPERACTIVITY DISORDER AND PAIN COMORBIDITY** 09:30 - 09:30

Speaker: Sandra Sanchez-Sarasua (France)

PS03-27AM-431 **AGE- AND SEX-DEPENDENT PROTEOME DYNAMICS OF NERVE INJURY-INDUCED NEUROPATHIC PAIN IN MICE** 09:30 - 09:30

Speaker: Sabrina Grundtner (Austria)

PS03-27AM-432 **INVOLVEMENT OF THE DOPAMINERGIC SYSTEM IN TWO DISTINCT REGIONS OF THE HIPPOCAMPUS IN THE STRESS-INDUCED ANTINOCICEPTIVE RESPONSES IN THE RATS** 09:30 - 09:30

Speaker: Abbas Haghparast (Iran)

PS03-27AM-433	RESTRAINT STRESS-INDUCED ANTINOCICEPTIVE EFFECTS IN THE ACUTE PAIN: INVOLVEMENT OF OREXINERGIC SYSTEM IN THE NUCLEUS ACCUMBENS	09:30 - 09:30
<i>Speaker:</i> Amir Haghparast (Iran)		
PS03-27AM-434	STRESS-INDUCED POTENTIATION OF POST-SURGICAL PAIN AND ASSOCIATED ALTERATIONS IN THE ENDOCANNABINOID SYSTEM	09:30 - 09:30
<i>Speaker:</i> Alba María Diego Martín (Ireland)		
PS03-27AM-435	HIPPOCAMPAL FUNCTION IS ALTERED IN A MODEL OF CHRONIC NEUROPATHIC PAIN	09:30 - 09:30
<i>Speaker:</i> Bryony Winters (Australia)		
PS03-27AM-436	BRAIN ACTIVATION DURING INFLAMMATORY AND NON-INFLAMMATORY HYPERALGESIA IN A RHEUMATOID ARTHRITIS MOUSE MODEL	09:30 - 09:30
<i>Speaker:</i> Rita Gálosi (Hungary)		
PS03-27AM-437	MGLUR5-MEDIATED DEACTIVATION OF MPFC VIA SOMATOSTATIN-POSITIVE INTERNEURON IN THE NEUROPATHIC PAIN MICE	09:30 - 09:30
<i>Speaker:</i> Mirae Jang (Korea, Republic of)		
PS03-27AM-438	QUANTITATIVE STUDY OF TOTAL AND NOCICEPTIVE NERVE FIBRES IN THE HUMAN VULVA	09:30 - 09:30
<i>Speaker:</i> Lidia Real Yanes (Spain)		
PS03-27AM-439	CORTICO-SUBCORTICAL DYSCONNECTIVITY FOLLOWING OPIOID ADMINISTRATION CORRELATES WITH ANALGESIA IN THE AWAKE MOUSE BRAIN	09:30 - 09:30
<i>Speaker:</i> Zsolt Lenkei (France)		
PS03-27AM-440	NEURAL RESPONSE ASSOCIATED WITH THE MODULATION OF TEMPORAL SUMMATION OF SECOND PAIN BY AFFECTIVE TOUCH	09:30 - 09:30
<i>Speaker:</i> Matteo Martini (Italy)		
PS03-27AM-441	CONTROL OF RVM TO SPINAL CORD PAIN DESCENDING PATHWAY BY VLPAG-SST NEURONS IN A PHYSIOPATHOLOGICAL CONTEXT	09:30 - 09:30
<i>Speaker:</i> Juliette Viellard (France)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Dopamine Signalling		
PS03-27AM-163	DOPAMINE DEFICIENT MICE SHOW ANERGIA BUT NOT ANHEDONIA ON TESTS OF VIGOR-BASED CHOICE	09:30 - 09:30
<i>Speaker:</i> Andrea Martinez Verdu (Spain)		
PS03-27AM-164	AGE EFFECT ON THE WILLINGNESS TO WORK FOR SUCROSE IN MALE RATS: INVOLVEMENT OF THE CEREBRAL DOPAMINE NEUROTROPHIC FACTOR	09:30 - 09:30
<i>Speaker:</i> Régulo Olivares García (Spain)		
PS03-27AM-165	TURNING ON AND OFF THE CEREBELLUM IN DRUG-INDUCED MEMORY	09:30 - 09:30
<i>Speaker:</i> Ignasi Melchor Eixea (Spain)		
PS03-27AM-166	NORADRENERGIC MODULATION OF RECOGNITION MEMORY IN MALE AND FEMALE MICE	09:30 - 09:30
<i>Speaker:</i> Lorena Roselló-Jiménez (Spain)		
PS03-27AM-167	IMPACT OF SOCIAL DISTANCING ON WILLINGNESS TO EXERT EFFORT IN MICE OF BOTH SEXES: STUDIES OF DOPAMINE	09:30 - 09:30

MANIPULATIONS*Speaker:* Paula Matas Navarro (Spain)

PS03-27AM-168 **DYNAMIC REPRESENTATION OF APPETITIVE AND AVERSIVE STIMULI IN NUCLEUS ACCUMBENS SHELL D1- AND D2-MEDIUM SPINY NEURONS** 09:30 - 09:30

Speaker: Ana Verónica Domingues (Portugal)

PS03-27AM-169 **DYNAMIC DYNORPHIN RELEASE IN THE VTA DURING APPETITIVE AND AVERSIVE ASSOCIATIVE LEARNING** 09:30 - 09:30

Speaker: Carina Soares-Cunha (Portugal)

PS03-27AM-170 **LDT CHOLINERGIC INPUTS TO THE NUCLEUS ACCUMBENS NEURONS FACILITATE COCAINE REINFORCING PROPERTIES** 09:30 - 09:30

Speaker: Barbara Coimbra (Portugal)

PS03-27AM-171 **DIVERSE REPRESENTATION OF VARIOUS REWARDS IN THE DOPAMINERGIC NEURONS OF THE VENTRAL TEGMENTAL AREA** 09:30 - 09:30

Speaker: Kamil Pradel (Germany)

PS03-27AM-172 **OPPOSITE CODING OF COMPETING REWARDS BY VTA DOPAMINE NEURONS** 09:30 - 09:30

Speaker: Hanna van den Munkhof (Germany)

PS03-27AM-173 **CHARACTERIZING THE ROLE OF MOVEMENT IN VENTROMEDIAL STRIATAL DOPAMINE SIGNALS RELATED TO REWARD** 09:30 - 09:30

Speaker: Eugenia Z. Poh (Netherlands)

PS03-27AM-174 **WAVE-LIKE STRIATAL DOPAMINE PEAKS AND TROUGHS BRACKET SPONTANEOUS MOVEMENT** 09:30 - 09:30

Speaker: Lizz Fellingner (Netherlands)

PS03-27AM-175 **INVESTIGATING THE ROLE OF NEUROMODULATORS IN MICE DURING ASSOCIATIVE LEARNING WITH A 50% REWARD SCHEDULE** 09:30 - 09:30

Speaker: Réka Kispál (Hungary)

PS03-27AM-176 **CORRELATIONS IN NEUROMODULATORY CODES DURING DIFFERENT LEARNING PROCESSES** 09:30 - 09:30

Speaker: Bálint Király (Hungary)

PS03-27AM-177 **DISCRETE POPULATIONS OF MIDBRAIN DOPAMINE NEURONS DIFFERENTLY SIGNAL DECISION-MAKING** 09:30 - 09:30

Speaker: Gabriella Portlock (United Kingdom)

PS03-27AM-178 **THE GUT-BRAIN VAGAL AXIS GOVERNS MESOLIMBIC NATURAL AND RECREATIONAL REWARD DYNAMICS** 09:30 - 09:30

Speaker: Oriane Onimus (France)

PS03-27AM-179 **CONTROL OF MOTIVATED REWARD AND AVERSION BEHAVIORS BY THE LATERODORSAL TEGMENTAL AREA** 09:30 - 09:30

Speaker: Lea Royon (France)

PS03-27AM-180 **THE INFLUENCE OF LATERALIZED RETINAL STIMULATION ON DOPAMINERGIC NEURON ACTIVITY AND STRIATAL DOPAMINE RELEASE** 09:30 - 09:30

Speaker: Martyna Marzec (Poland)

PS03-27AM-181 **DOPAMINE AND OPIOID MODULATION OF HUMAN NEURAL RESPONSES TO SOCIAL AND NON-SOCIAL REWARDS** 09:30 - 09:30

Speaker: Claudia Massaccesi (Austria)

PS03-27AM-182 **THE VENTRAL MIDBRAIN ENCODES THE STRENGTH OF SUBSEQUENT FORCE GENERATIONS EVEN WITHOUT EXTERNAL REWARDS** 09:30 - 09:30

Speaker: Sho Sugawara (Japan)

PS03-27AM-183	ROLE OF DOPAMINERGIC NEURONS IN AVERSIVE AND APPETITIVE MOTIVATED BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Elsa Karam (France)		
PS03-27AM-184	STRIATAL DOPAMINE AND ACETYLCHOLINE SIGNAL DISTINCT VARIABLES DURING PERCEPTUAL DECISION-MAKING	09:30 - 09:30
<i>Speaker:</i> Matthias Fritsche (United Kingdom)		
PS03-27AM-185	DIFFERENT DOPAMINERGIC MECHANISM IN THE EXPRESSION OF SIGN-TRACKING PHENOTYPE IN C57BL/6J AND DBA/2J MICE	09:30 - 09:30
<i>Speaker:</i> Andrea Sepe (Italy)		
PS03-27AM-186	THE ROLE OF THE MU OPIOID RECEPTORS IN THE VENTRAL TEGMENTAL AREA IN THE MODULATION OF PHASIC DOPAMINE RELEASE	09:30 - 09:30
<i>Speaker:</i> Jakub Bilnicki (Poland)		
PS03-27AM-187	INVESTIGATING THE ROLE OF THE MOUSE OLFACTORY DOPAMINERGIC CELLS IN PROCESSING SEXUAL ODORS	09:30 - 09:30
<i>Speaker:</i> Ilaria Ghia (Italy)		
PS03-27AM-188	NUCLEUS ACCUMBENS SHELL SUBCIRCUITS REGULATING REWARD AND AVERSION BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Alina-Mariuca Marinescu (Switzerland)		
PS03-27AM-189	THE ROLE OF STRIATAL NEUROMODULATORY SIGNALS IN ADAPTIVE LEARNING OF ACTION VALUE	09:30 - 09:30
<i>Speaker:</i> Chiara Toschi (United Kingdom)		
PS03-27AM-190	DOPAMINE-ACETYLCHOLINE INTERPLAY AND NEURAL ACTIVITY MOTIFS IN THE STRIATUM: INSIGHTS FROM A MOUSE DELAYED-GO REACHING TASK	09:30 - 09:30
<i>Speaker:</i> Teris, Wing Kin Tam (United Kingdom)		
PS03-27AM-191	REAL-TIME IMAGING OF DOPAMINE RELEASE AND NEURONAL POPULATIONS DYNAMICS IN THE MOTOR CORTEX OF AWAKE MICE - DECODING OF REWARD-RELATED SIGNALS AND MOVEMENT PARAMETERS	09:30 - 09:30
<i>Speaker:</i> Martyna Gorkowska (Poland)		
PS03-27AM-192	MOVEMENT-RELATED DOPAMINE SIGNALING IN MOUSE DORSAL STRIATUM IN HEALTH AND PARKINSONISM	09:30 - 09:30
<i>Speaker:</i> Guy Yona (United Kingdom)		
PS03-27AM-193	MALE RAT SEXUAL BEHAVIOR AND THE ROLE OF THE VENTRAL PALLIDUM	09:30 - 09:30
<i>Speaker:</i> Roy Heijkoop (Norway)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Neurodiversity in Cognitive Processing		
PS03-27AM-521	NEUROPHYSIOLOGY OF PERCEPTUAL CLOSURE ABILITIES IN CHILDREN WITH AUTISM SPECTRUM DISORDER AND NEUROTYPICAL CONTROL CHILDREN	09:30 - 09:30
<i>Speaker:</i> Erin Bojanek (United States)		
PS03-27AM-522	CHARACTERIZING AGE-RELATED COGNITIVE-MOTOR INTERACTIONS IN INDIVIDUALS WITH AND WITHOUT AUTISM SPECTRUM DISORDER USING MOBILE BRAIN-BODY IMAGING (MOBI)	09:30 - 09:30
<i>Speaker:</i> Paige Nicklas (United States)		
PS03-27AM-523	INTER-BRAIN SYNCHRONIZATION IN FACE-TO-FACE AND ONLINE GROUP COMMUNICATION	09:30 - 09:30

Speaker: Kohei Sakaki (Japan)

PS03-27AM-524 **COMPARISON OF LEARNING EFFECTS BETWEEN ON-DEMAND AND FACE TO FACE CLASSES FROM THE VIEWPOINT OF BRAIN ACTIVITY** 09:30 - 09:30

Speaker: Yugo Okada (Japan)

PS03-27AM-525 **NEURONAL ACTIVITIES DURING A VR-BASED ASSESSMENT FOR AUTISM SPECTRUM DISORDER: A PILOT EEG STUDY** 09:30 - 09:30

Speaker: Chun-Chuan Chen (Taiwan)

PS03-27AM-526 **HOW MUCH DATA IS ENOUGH TO RELIABLY MEASURE INDIVIDUAL DIFFERENCES IN COGNITION?** 09:30 - 09:30

Speaker: Jan Kadlec (Israel)

PS03-27AM-527 **NEUROPHYSIOLOGICAL CORRELATES OF COGNITIVE LOAD IN ONLINE LEARNING FOR NEUROTYPICAL AND NEURODIVERGENT STUDENTS** 09:30 - 09:30

Speaker: Anne-Laure Le Cunff (United Kingdom)

PS03-27AM-528 **AUTISTIC TRAITS MEDIATE THE RELATIONSHIP BETWEEN OCCIPITAL GABA AND PERCEPTUAL CHOICE IN A TARGET DETECTION TASK** 09:30 - 09:30

Speaker: Nazia Jassim (United Kingdom)

PS03-27AM-529 **RELIABILITY OF REDUCED INTER-SUBJECT FUNCTIONAL CONNECTIVITY DURING NATURALISTIC MOVIE-WATCHING FMRI IN AUTISM – COMPARISON OF GERMAN AND FINNISH SAMPLES** 09:30 - 09:30

Speaker: Feng Lin (Germany)

PS03-27AM-530 **DEVELOPMENTAL TRAJECTORIES OF SLEEP EEG IN NEURODEVELOPMENTAL DISORDERS: DOES SEX MATTER?** 09:30 - 09:30

Speaker: Nataliia Kozhemiako (United States)

PS03-27AM-531 **NON-ORDINARY STATES OF CONSCIOUSNESS (NSCS) INDUCED BY HYPNOSIS AND BILATERAL ALTERNATING STIMULATIONS** 09:30 - 09:30

Speaker: Andréa Oddos (France)

PS03-27AM-532 **A NEW TECHNIQUE TO MEASURE IMPLICIT LINE ORIENTATION DISCRIMINATION USING FAST PERIODIC VISUAL STIMULATION (FPVS)** 09:30 - 09:30

Speaker: Oliver Hermann (United Kingdom)

PS03-27AM-533 **EEG ALPHA POWER DIFFERENCES IN THE ICELANDIC WINTER BETWEEN INDIVIDUALS WITH HIGH VS. LOW RISK FOR SEASONAL AFFECTIVE DISORDER** 09:30 - 09:30

Speaker: Lada Zelinski (Iceland)

PS03-27AM-534 **ATYPICAL DEVELOPMENT OF CAUSAL INFERENCE IN AUTISM** 09:30 - 09:30

Speaker: Melissa Monti (Italy)

PS03-27AM-535 **BEHAVIORAL CORRELATES OF PARENT-INFANT DYADIC EMOTIONAL SYNCHRONY AND ASSOCIATION WITH CHILD SOCIOEMOTIONAL DEVELOPMENT** 09:30 - 09:30

Speaker: Andréane Lavallée (United States)

PS03-27AM-536 **COMPARING BRAIN RESPONSES TO ABSTRACT AND REPRESENTATIONAL STYLE PAINTINGS: A HIGH-DENSITY EEG CONNECTIVITY STUDY** 09:30 - 09:30

Speaker: Iffah Syafiqah Suhaili (Hungary)

PS03-27AM-537 **USE OF HIGH TECH EYE GAZE AUGMENTATIVE AND ALTERNATIVE COMMUNICATION SYSTEM TO ENHANCE COMMUNICATION AND QUALITY OF LIFE IN MULTIPLE SCLEROSIS: A SINGLE CASE STUDY** 09:30 - 09:30

Speaker: Sakshi Pal (India)

PS03-27AM-538	VALIDATION OF PORTABLE, DRY ELECTRODE-BASED ELECTROENCEPHALOGRAPHY DEVICE FOR APPLICATION IN BRAIN-COMPUTER INTERFACE SOLUTIONS	09:30 - 09:30
<i>Speaker:</i> Melinda Rácz (Hungary)		
PS03-27AM-539	TOWARDS FNIRS HYPERFEEDBACK: EVALUATING SHORT TIME INTERVALS OF INTERBRAIN SYNCHRONY	09:30 - 09:30
<i>Speaker:</i> Kathrin Kostorz (Austria)		
PS03-27AM-540	METHODOLOGICAL ISSUES IN ELECTROENCEPHALOGRAPHIC NEUROFEEDBACK: VARIATIONS IN STANDARD BANDS POWER CAUSED BY NON-SPECIFIC FACTORS	09:30 - 09:30
<i>Speaker:</i> Jacob Maaz (France)		
PS03-27AM-541	THE NEURAL PROCESSING OF NATURAL AUDIOVISUAL SPEECH IN NOISE IN AUTISM: A TRF APPROACH	09:30 - 09:30
<i>Speaker:</i> Sophie Molholm (United States)		
PS03-27AM-542	INSIGHTS INTO SEMANTIC LANGUAGE DEVELOPMENT IN CHILDREN WITH AND WITHOUT AUTISM USING NEUROPHYSIOLOGICAL AND NEUROIMAGING METHODS	09:30 - 09:30
<i>Speaker:</i> Kathryn Toffolo (United States)		
PS03-27AM-543	COMMUNICATION THROUGH SOCIAL TOUCH IN AUTISM SPECTRUM CONDITION	09:30 - 09:30
<i>Speaker:</i> Flavia Esposito (Sweden)		
PS03-27AM-544	BRAIN ACTIVATION PATTERNS IN PATIENTS WITH AUTISM SPECTRUM DISORDER IN PAIN-RELATED PERSPECTIVE-TAKING; RELATIONSHIP WITH INTEROCEPTIVE ACCRUACY	09:30 - 09:30
<i>Speaker:</i> Jung-Woo Son (Korea, Republic of)		
PS03-27AM-545	COGNITIVE AND INTELLIGENCE MEASURES FOR ADHD IDENTIFICATION BY MACHINE LEARNING MODELS	09:30 - 09:30
<i>Speaker:</i> Adelia-Solás Martínez-Évora (Spain)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Microglia in Neurodevelopment and Disease		
PS03-27AM-311	MICROGLIA BRAINIZATION: INTRINSIC AND ENVIRONMENTAL CUES CONTROLLING DEVELOPMENTAL MICROGLIA MATURATION	09:30 - 09:30
<i>Speaker:</i> Joel Maldonado-Teixido (Spain)		
PS03-27AM-312	MICROGLIA BRAINIZATION: THE SHIFT FROM INITIAL COLONIZATION TO ADULT-LIKE DYNAMICS, MORPHOLOGY AND FUNCTION IN THE POSTNATAL HIPPOCAMPUS AND CEREBELLUM	09:30 - 09:30
<i>Speaker:</i> Marta Pereira-Iglesias (Spain)		
PS03-27AM-313	LNCRNA NEAT1 MODULATES INFECTION-INDUCED COGNITIVE IMPAIRMENT	09:30 - 09:30
<i>Speaker:</i> Hongkuan Fan (United States)		
PS03-27AM-314	NEW PLAYERS IN NEURODEVELOPMENT : ROLE OF MENINGEAL MACROPHAGES IN DEVELOPMENTAL NEUROGENESIS	09:30 - 09:30
<i>Speaker:</i> Laure Salvon (France)		
PS03-27AM-315	MICROGLIAL TREM2 RECEPTOR SIGNALING SHAPES NEURONAL BIOENERGETICS DURING DEVELOPMENT	09:30 - 09:30
<i>Speaker:</i> Erica Tagliatti (Italy)		
PS03-27AM-316	ROLE OF TYPE I INTERFERON RECEPTOR IN BRAIN DEVELOPMENT	09:30 - 09:30

Speaker: Luisa Demuth (Germany)

PS03-27AM-317 **HUMAN MICROGLIA DEPENDENT VIRAL-MEDIATED INFLAMMATION IMPAIRS RETINAL ORGANOID DEVELOPMENT** 09:30 - 09:30

Speaker: Verena Schmied (Austria)

PS03-27AM-318 **CD8⁺ T CELLS INDUCE INTERFERON-RESPONSIVE OLIGODENDROCYTES AND MICROGLIA IN WHITE MATTER AGING** 09:30 - 09:30

Speaker: Tugberk Kaya (Germany)

PS03-27AM-319 **ROLE OF MYELOID CELLS IN THE REGULATION OF CEREBELLUM NEURODEVELOPMENT** 09:30 - 09:30

Speaker: Saudina Mateus Gomes (France)

PS03-27AM-320 **MICROGLIA MODULATE COMPLEX NEURONAL NETWORKS IN ACUTE BRAIN SLICES DESPITE THEIR RAPID, ATP-RELATED PHENOTYPIC TRANSFORMATION** 09:30 - 09:30

Speaker: Peter Berki (Hungary)

PS03-27AM-321 **MICROGLIA CONTRIBUTE TO CONNECTIVITY DEFICITS IN DOWN SYNDROME BY DIFFERENTIALLY MODULATING EXCITATORY AND INHIBITORY CIRCUITS** 09:30 - 09:30

Speaker: Alexia Tiberi (Italy)

PS03-27AM-322 **CHEMOGENETIC ACTIVATION OF GQ IN MICROGLIA LEADS TO DEFICITS IN SYNAPTIC PLASTICITY AND NEURONAL COMMUNICATION** 09:30 - 09:30

Speaker: Marie-Luise Brehme (Germany)

PS03-27AM-323 **LONGITUDINAL SINGLE CELL AND BRAIN TRANSCRIPTOMIC CHARACTERIZATION OF MICROGLIA SIGNATURES DURING EXPERIMENTAL DEMYELINATION AND REMYELINATION.** 09:30 - 09:30

Speaker: Athena Boutou (Greece)

PS03-27AM-324 **COMPLEMENT C3AR IMPACTS FUNCTIONAL BRAIN CONNECTIVITY IN ADOLESCENCE** 09:30 - 09:30

Speaker: Hanna Lemmik (United Kingdom)

PS03-27AM-325 **MICROGLIA DRIVE TRANSIENT INSULT-INDUCED BRAIN INJURY BY CHEMOTACTIC RECRUITMENT OF CD8⁺ T LYMPHOCYTES** 09:30 - 09:30

Speaker: Yamei Tang (China)

PS03-27AM-326 **NEUROINFLAMMATION PRECEDES PHOTORECEPTOR DISTRESS IN INDUCED AND INHERITED DEGENERATION OF MURINE RETINA** 09:30 - 09:30

Speaker: Silvia C Finnemann (United States)

PS03-27AM-327 **MECHANISTIC SINGLE-CELL INVESTIGATION OF NEUROINFLAMMATION INDUCED BY INFLUENZA A VIRUS INFECTION** 09:30 - 09:30

Speaker: Lea Gabele (Germany)

PS03-27AM-328 **NEURONAL NETWORK DYSFUNCTION AND NEURODEGENERATION MEDIATED BY TLR7/8-ACTIVATED MICROGLIA DEPEND ON THE IMMUNOLOGICAL CONTEXT** 09:30 - 09:30

Speaker: Lennart Söder (Germany)

PS03-27AM-329 **MENINGEAL NEURAL PROGENITORS RESPOND TO CENTRAL NERVOUS SYSTEM AUTOIMMUNE DISEASE AND INTERACT WITH IMMUNE CELLS** 09:30 - 09:30

Speaker: Francesca Ciarpella (Italy)

PS03-27AM-330 **EXPRESSION OF AN IMMUNOGLOBULIN CONSTANT DOMAIN GENES IN NEURONS OF THE MOUSE CENTRAL NERVOUS SYSTEM** 09:30 - 09:30

Speaker: Francesca Pietrafesa (Switzerland)

PS03-27AM-331 **CD8 T CELLS PLAY A MAJOR ROLE IN CNS INFLAMMATION AND BRAIN ATROPHY IN TYPE I INTERFERON-MEDIATED NEUROINFLAMMATION OF RNASET2 DEFICIENT MICE** 09:30 - 09:30

Speaker: Matthias Kettwig (Germany)

PS03-27AM-332 **INTERLEUKIN 1 SIGNALING MODULATES PRO- AND ANTI-NEUROGENIC EFFECTS THROUGH ACTIVATION OF INTERLEUKIN 1 RECEPTOR TYPE 1 ON DIFFERENT CELL TYPES** 09:30 - 09:30

Speaker: Maria Smirnova (United States)

PS03-27AM-333 **THE ROLE OF CYTOSKELETAL PROTEINS ADF/COFILIN1 IN MICROGLIA MORPHOLOGY AND FUNCTION** 09:30 - 09:30

Speaker: Marie Denise Roggan (Germany)

PS03-27AM-334 **MICROGLIA MORPHOPHYSIOLOGICAL DIVERSITY AND ITS IMPLICATIONS FOR THE CNS AFTER PERIPHERAL NERVE INJURY** 09:30 - 09:30

Speaker: Marco Morsch (Australia)

PS03-27AM-335 **UNRAVELING PYROPTOSIS IN MICROGLIA: LESSONS FROM RNASET2^{-/-} MICE** 09:30 - 09:30

Speaker: Kristin Wendland (Germany)

PS03-27AM-336 **DIFFERENTIAL PROGENITOR RESPONSES TO MATERNAL INFLAMMATION IN THE DEVELOPING CORTEX** 09:30 - 09:30

Speaker: Laura Wolbeck (Denmark)

PS03-27AM-337 **UNDERSTANDING THE ROLE OF MICROGLIA IN 'CHEMOFOG' TO RESOLVE CHEMOTHERAPY-INDUCED COGNITIVE IMPAIRMENT** 09:30 - 09:30

Speaker: Agnese Cherubini (Italy)

PS03-27AM-338 **REGULATION OF MICROGLIA DEVELOPMENT AND FUNCTION BY PYRAMIDAL CELLS** 09:30 - 09:30

Speaker: Fong Kuan Wong (United Kingdom)

PS03-27AM-339 **UNVEILING THE ROLE OF MICROGLIA IN SYNAPTIC PRUNING IN MULTIPLE SCLEROSIS** 09:30 - 09:30

Speaker: Catarina Barros (Portugal)

PS03-27AM-340 **CYTOARCHITECTUREAL AND IMMUNOCYTOCHEMICAL ALTERATIONS IN HIPPOCAMPAL SUBREGIONS OF THE LUPUS MODEL NZB/W F1 MICE** 09:30 - 09:30

Speaker: Jean-Marie Graïc (Italy)

PS03-27AM-341 **MICROGLIA-NEURON INTERACTION: THE ROLE OF CCL21 IN SEPSIS-ASSOCIATED ENCEPHALOPATHY** 09:30 - 09:30

Speaker: Iohana Bianca Pagnoncelli (Brazil)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 03 - Cortical Sensorimotor Integration

PS03-27AM-094 **CORTICAL CIRCUITS FOR CONTEXT DEPENDENT SENSORY PROCESSING** 09:30 - 09:30

Speaker: Pol Bech Vilaseca (Switzerland)

PS03-27AM-095 **BRAIN-WIDE NEURONAL DYNAMICS UNDERLYING RAPID GOAL-DIRECTED SENSORIMOTOR LEARNING** 09:30 - 09:30

Speaker: Axel Bisi (Switzerland)

PS03-27AM-096 **TARGETED RECOMBINATION IN ACTIVE POPULATIONS TO STUDY SENSORIMOTOR LEARNING** 09:30 - 09:30

Speaker: Lana Maria Smith (Switzerland)

PS03-27AM-097	FAST PATHWAY-SPECIFIC REORGANIZATION OF BARREL CORTEX UNDERLYING RAPID GOAL-DIRECTED SENSORIMOTOR LEARNING	09:30 - 09:30
	<i>Speaker:</i> Anthony Renard (Switzerland)	
PS03-27AM-098	CONTEXT REPRESENTATION IN MOUSE FRONTAL CORTEX DURING A SHORT-TERM MEMORY TASK	09:30 - 09:30
	<i>Speaker:</i> parviz ghaderi (Switzerland)	
PS03-27AM-099	CORTICAL REPRESENTATION OF FACIAL FEATURES AND BODY POSTURE IN FREELY MOVING RATS	09:30 - 09:30
	<i>Speaker:</i> Jerneja Rudolf (Norway)	
PS03-27AM-100	NEURAL CODING OF SPACE AND GOALS: DYNAMICS OF EGOCENTRIC BOUNDARY TUNING DURING BAIT-CHASING	09:30 - 09:30
	<i>Speaker:</i> Pearl Saldanha (Norway)	
PS03-27AM-101	EXPLORING PUPIL DYNAMICS IN FREELY MOVING RATS DURING ACTIVE INTEGRATION OF VISION AND POSTURE	09:30 - 09:30
	<i>Speaker:</i> Loredana Stoica Ghita (Norway)	
PS03-27AM-102	PREDICTIVE PROCESSING OF TACTILE SENSORY INFORMATION IN MICE ENGAGED IN A LOCOMOTION TASK	09:30 - 09:30
	<i>Speaker:</i> Isabelle Ferezou (France)	
PS03-27AM-103	ALL-OPTICAL MAPPING OF FEEDBACK AND SENSORY-EVOKED SYNAPTIC INPUTS TO PYRAMIDAL NEURONS IN THE MOUSE PRIMARY SOMATOSENSORY CORTEX	09:30 - 09:30
	<i>Speaker:</i> Céline Dürst (Switzerland)	
PS03-27AM-104	PLASTICITY OF SENSORY ENCODING IN CORTICAL PYRAMIDAL NEURONS	09:30 - 09:30
	<i>Speaker:</i> Elena Regele Blasco (Australia)	
PS03-27AM-105	DISTINCT RESPONSE DYNAMICS TO WHISKER STIMULATION IN BARREL AND PERIRHINAL CORTEX	09:30 - 09:30
	<i>Speaker:</i> Rejwan Farhad Salih (Norway)	
PS03-27AM-106	IMPROVING SOMATOSENSORY MAP RESOLUTION BY ADJUSTING THALAMIC SPONTANEOUS ACTIVITY PATTERNS	09:30 - 09:30
	<i>Speaker:</i> Mar Aníbal-Martínez (Spain)	
PS03-27AM-107	LEARNING-ASSOCIATED RECONFIGURATION OF NEURONAL ACTIVITY WITHIN AND ACROSS NEOCORTICAL AREAS	09:30 - 09:30
	<i>Speaker:</i> Shuting Han (Switzerland)	
PS03-27AM-108	TOUCHING WHAT YOU SEE: MULTISENSORY LOCATION CODING IN MOUSE POSTERIOR PARIETAL CORTEX	09:30 - 09:30
	<i>Speaker:</i> Adrian Roggenbach (Switzerland)	
PS03-27AM-109	ACTIVATION OF L2/3 NEURONS IN THE PRIMARY SOMATOSENSORY CORTEX DURING MOTOR OUTPUT	09:30 - 09:30
	<i>Speaker:</i> Robertas Guzulaitis (Lithuania)	
PS03-27AM-110	BARREL-SEPTA RESPONSE IDENTITY IN THE SOMATOSENSORY CORTEX OF MICE IS REGULATED BY PROGRESSIVE ENGAGEMENT OF SST+ INTERNEURONS VIA ELFN1	09:30 - 09:30
	<i>Speaker:</i> Ali Özgür Argunsah (Switzerland)	
PS03-27AM-111	MULTIPLE SENSORY MODALITIES CONTRIBUTE TO TEXTURE DISCRIMINATION IN HEAD-FIXED MICE	09:30 - 09:30
	<i>Speaker:</i> Ilaria Zanchi (Italy)	
PS03-27AM-112	USE-DEPENDENT PLASTICITY OF CORTICAL PROPRIOCEPTIVE REPRESENTATION IN MICE	09:30 - 09:30
	<i>Speaker:</i> Fei Ma (Switzerland)	

PS03-27AM-113	UNVEILING THE ROLE OF CALLOSAL AXONS MEDIATING THE INTERHEMISPHERIC COMMUNICATION OF THE BARREL CORTEX	09:30 - 09:30
<i>Speaker:</i> Alicia Alonso-Andres (Spain)		
PS03-27AM-114	CORTICAL CIRCUITS FOR GOAL-DIRECTED CROSS-MODAL TRANSFER LEARNING	09:30 - 09:30
<i>Speaker:</i> Maëlle Guyoton (Switzerland)		
PS03-27AM-115	BRAINWIDE TRANSFORMATION OF NEURAL SIGNALS UNDERLYING PERCEPTION	09:30 - 09:30
<i>Speaker:</i> Blake Russell (United Kingdom)		
PS03-27AM-116	INFLUENCE OF ENHANCED EARLY SENSORY EXPERIENCE ON FUNCTIONAL CORTICAL NETWORKS AND BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Shabana Khan (United Kingdom)		
PS03-27AM-117	DIRECTIONAL AND FLEXIBLE FLOW OF SENSORY INFORMATION ALONG THE CORTICAL HIERARCHY DURING WHISKER BASED DISCRIMINATION	09:30 - 09:30
<i>Speaker:</i> Pierre-Marie Garderes (United States)		
PS03-27AM-118	A CORTICO-COLLICULAR PATHWAY FOR DEFENSE MODULATION	09:30 - 09:30
<i>Speaker:</i> Jesus Martin Cortecero (Germany)		
PS03-27AM-119	CODING OF WHISKER TOUCH AND MOVEMENT IN DYSGRANULAR SOMATOSENSORY CORTEX	09:30 - 09:30
<i>Speaker:</i> Alisha Ahmed (United States)		
PS03-27AM-120	INVESTIGATING THE ROLE OF THE SUBPARAFASCICULAR THALAMIC NUCLEUS IN THE PROCESSING OF SOFT TOUCH SENSATION IN MICE	09:30 - 09:30
<i>Speaker:</i> Konstantina Ioneskou (Sweden)		
PS03-27AM-121	VOLUNTARY CONTROL OF MESOSCALE WAVES IN THE PRIMARY SOMATOSENSORY AND MOTOR CORTICES	09:30 - 09:30
<i>Speaker:</i> Valérie Ego-Stengel (CNRS & Université Paris-Saclay, France)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 03 - Striatal and Basal Nuclei Circuit Dynamics		
PS03-27AM-486	LOGIC OF THE SPATIAL AND FUNCTIONAL ORGANIZATION OF THE CORTICO-STRIATAL PROJECTIONS ONTO SOMATOSTATIN AND PARVALBUMIN INTERNEURONS IN THE DORSAL STRIATUM OF MICE	09:30 - 09:30
<i>Speaker:</i> Juliette Contadini (France)		
PS03-27AM-487	WHAT ROLE FOR THE STRIATUM IN MOTOR CONTROL ? INSIGHTS FROM UNILATERAL PERTURBATION DURING FORAGING	09:30 - 09:30
<i>Speaker:</i> Maud Schaffhauser (France)		
PS03-27AM-488	SPARSE AND UNIQUE FUNCTIONAL INNERVATION OF BARREL CORTEX ONTO SINGLE PROJECTION NEURONS IN DORSAL STRIATUM AND ITS PLASTICITY AFTER SENSORIMOTOR LEARNING	09:30 - 09:30
<i>Speaker:</i> Kenza Amroune (France)		
PS03-27AM-489	SINGLE NEURON ACTIVITY EVOLUTION IN GOAL DIRECTED LEARNING DURING AN OPERANT TASK: DIFFERENCES BETWEEN DIRECT AND INDIRECT STRIATAL PROJECTION NEURONS	09:30 - 09:30
<i>Speaker:</i> Sandra Faulí Perpiñá (Belgium)		
PS03-27AM-490	THE RESPECTIVE ACTIVATION AND SILENCING OF STRIATAL	09:30 - 09:30

**DIRECT AND INDIRECT PATHWAY NEURONS SUPPORT
BEHAVIOR ENCODING**

Speaker: Christophe Varin (Belgium)

PS03-27AM-491 **UNEXPECTED CONTRIBUTION OF STRIATAL PROJECTION
NEURONS CO-EXPRESSING DOPAMINE D1 AND D2 RECEPTOR IN
BALANCING MOTOR CONTROL** 09:30 - 09:30

Speaker: Pilar Martínez Olondo (Belgium)

PS03-27AM-492 **A STRIATAL ROLE IN SENSORY-DRIVEN LEARNING BEHAVIORS** 09:30 - 09:30

Speaker: Shriya Palchadhuri (United States)

PS03-27AM-493 **CELL-TYPE SPECIFIC AUDITORY RESPONSES IN THE TAIL OF
THE STRIATUM SHAPED BY FEEDFORWARD INHIBITION** 09:30 - 09:30

Speaker: Mélanie Druart (United States)

PS03-27AM-494 **DISSECTION OF INTER-AREA INTERACTIONS OF MOTOR
CIRCUITS** 09:30 - 09:30

Speaker: Enida Gjoni (United States)

PS03-27AM-495 **EXPRESSION PROFILING OF THE LEARNING STRIATUM** 09:30 - 09:30

Speaker: Christiane Schreiweis (France)

PS03-27AM-496 **MICRO-CIRCUITRY AND OUTPUT CONNECTIVITY OF THE
STRIOSOME NETWORK** 09:30 - 09:30

Speaker: Martha Milade Torres Nupan (Belgium)

PS03-27AM-497 **BASAL GANGLIA PATHWAYS FOR REGULATING MOTOR SKILL
VARIABILITY** 09:30 - 09:30

Speaker: Steffen Wolff (United States)

PS03-27AM-498 **EXTERNAL INPUTS PREFERENTIALLY DRIVE NEURONS IN THE
STRIATAL MATRIX BUT NOT STRIOSOME** 09:30 - 09:30

Speaker: Guo-Fang Tseng (Taiwan)

PS03-27AM-499 **SIGNAL INTEGRATION AND COMPETITION IN A BIOPHYSICAL
MODEL OF THE SUBSTANTIA NIGRA PARS RETICULATA** 09:30 - 09:30

Speaker: William Scott Thompson (Sweden)

PS03-27AM-500 **A NOVEL VIEW ON BASAL GANGLIA PATHWAYS: INSIGHTS FROM
SYNAPTIC RESOLUTION CONNECTOMICS IN SONGBIRDS** 09:30 - 09:30

Speaker: Alexandra Rother (Germany)

PS03-27AM-501 **THALAMIC INTERACTION OF BASAL GANGLIA AND CEREBELLAR
CIRCUITS DURING MOTOR LEARNING** 09:30 - 09:30

Speaker: Richard Roth (United States)

PS03-27AM-502 **LAMINAR DISTRIBUTION PATTERN AND SIZE OF CROSSED
CORTICOSTRIATAL NEURONS IN MACAQUES** 09:30 - 09:30

Speaker: Gemma Ballestrazzi (Italy)

PS03-27AM-503 **MOVEMENT INITIATION REVEALS A HYPERACTIVE DIRECT
PATHWAY IN A MOUSE MODEL OF DYSTONIA** 09:30 - 09:30

Speaker: Filipa França de Barros (Portugal)

PS03-27AM-504 **COGNITIVE AND MOTOR REGULATION BY THE NOVEL PTHLH
INTERNEURON POPULATION IN THE MOUSE STRIATUM** 09:30 - 09:30

Speaker: Monica Diez Salguero (Spain)

PS03-27AM-505 **NEURONAL TAXONOMY OF THE HUMAN DORSAL STRIATUM BY
SINGLE NUCLEI TRANSCRIPTOMICS** 09:30 - 09:30

Speaker: Ana B. Muñoz-Manchado (Spain)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 03 - Late-Breaking Abstracts

- PS03-27AM-596 **A NEUROGLIAL CIRCUIT FOR MATERNAL BEHAVIOR** 09:30 - 09:30
Speaker: Maïna Garnero (France)
- PS03-27AM-597 **MICROGLIA MODULATE GENERAL ANESTHESIA THROUGH P2Y12 RECEPTOR** 09:30 - 09:30
Speaker: Kelei Cao (China)
- PS03-27AM-598 **AGING-ASSOCIATED WEAKENING OF THE ACTION POTENTIAL IN FAST-SPIKING INTERNEURONS IN THE HUMAN NEOCORTEX** 09:30 - 09:30
Speaker: Adam Tiszlavicz (Hungary)
- PS03-27AM-599 **EPIGENETIC MECHANISM AFFECTS MICROGLIA STATUS AND SYNAPTIC PRUNING MECHANISM** 09:30 - 09:30
Speaker: Antonella Borreca (Italy)
- PS03-27AM-600 **AN ALL-OPTICAL APPROACH TO DISENTANGLE THE ROLE OF INTRINSIC AND SYNAPTIC PLASTICITY IN SENSORIMOTOR LEARNING** 09:30 - 09:30
Speaker: Karim Oweiss (United States)
- PS03-27AM-601 **A NOVEL MICROTUBULE DOUBLET REGULATOR IN NEURONAL PRIMARY CILIA** 09:30 - 09:30
Speaker: Juliette Wu (France)
- PS03-27AM-602 **UNDERSTANDING THE CONSEQUENCES OF PRENATAL CBD EXPOSURE ON INSULAR CORTEX NEURONS: SEX-SPECIFIC ALTERATIONS AND THE LOSS OF SUBREGIONAL FUNCTIONAL DIFFERENTIATION** 09:30 - 09:30
Speaker: Daniela Iezzi (France)
- PS03-27AM-603 **OLIGODENDROCYTES PRODUCE AMYLOID BETA, AND BLOCKING ITS PRODUCTION RESTORES NEURONAL FUNCTION IN AN ALZHEIMER'S MOUSE MODEL IN VIVO** 09:30 - 09:30
Speaker: Marc Aurel Busche (United Kingdom)
- PS03-27AM-604 **ROLE OF SUBICULAR VIP INTERNEURONS IN MODULATING THE HIPPOCAMPAL OUTPUT AND BEHAVIOUR** 09:30 - 09:30
Speaker: Jakobus Gerick Pantouw (Taiwan)
- PS03-27AM-605 **A PACAP-GLUTAMATE-ACH PATHWAY FROM A NOVEL NEURONAL SUBPOPULATION IN PB/KF INNERVATES CEC PKCD CELLS WITH CALYCEAL TERMINAL FORMING GRAY I AND II AXOSOMATIC SYNAPSES** 09:30 - 09:30
Speaker: Limei Zhang (National Autonomous University of Mexico, Mexico)
- PS03-27AM-606 **DYSFUNCTION OF OCTOPAMINE-MEDIATED CALCIUM SIGNALLING AND GLUCOSE METABOLISM IN THE AGING DROSOPHILA BRAIN** 09:30 - 09:30
Speaker: Nina Vardjan (Slovenia)
- PS03-27AM-608 **COMPUTER VISION AND IMAGE PROCESSING APPLICATIONS ON ASTROCYTE-GLIOMA INTERACTIONS IN 3D CELL CULTURE** 09:30 - 09:30
Speaker: Nilufar Ismayilzada (Turkey)
- PS03-27AM-609 **POLYMERIC NANOPARTICLES AS DRUG DELIVERY TOOLS FOR BRAIN DEGENERATIVE DISORDERS; IN VITRO ASSESSMENT AND DRUG RELEASE PROPERTIES** 09:30 - 09:30
Speaker: Rebecca Maher (Ireland)
- PS03-27AM-610 **ALTERED FIRING AND DOPAMINE RELEASE IN SUBSTANTIA NIGRA DOPAMINERGIC NEURONS INDUCED BY EXPOSURE TO ALPHA-SYNUCLEIN OLIGOMERS: FROM PATCH-CLAMP TO DIAMOND MULTIELECTRODE ARRAYS** 09:30 - 09:30

Speaker: Valentina Carabelli (Italy)

PS03-27AM-611 **CHANGES IN AUTONOMIC NERVOUS SYSTEM FUNCTION FOLLOWING ADMINISTRATION OF PROBIOTICS IN MILD ALZHEIMER'S PATIENTS** 09:30 - 09:30

Speaker: Stella Angeli (Cyprus)

PS03-27AM-612 **INTEGRATING DIFFERENT APPROACHES FOR ESTABLISHING A MULTI SCALE FUNCTIONAL VALIDATION PLATFORM FOR RNA-BASED DRUGS IN THE CNS (MULTIVAL)** 09:30 - 09:30

Speaker: Maria Luisa Malosio (Italy)

PS03-27AM-613 **TOWARDS FAIR NEUROSCIENCE: AN EFFICIENT WORKFLOW FOR SHARING AND INTEGRATING DATA** 09:30 - 09:30

Speaker: Signy Benediktsdottir (Norway)

PS03-27AM-614 **LIVER, KIDNEY AND SPLEEN AS AB SCAVENGER SYSTEMS IN ALZHEIMER'S DISEASE AND THE IMPACT OF SOCIAL ISOLATION IN NORMAL AND PATHOLOGICAL AGING** 09:30 - 09:30

Speaker: Juan Fraile-Ramos (Spain)

PS03-27AM-615 **NON-LINEAR TEMPORAL EFFECTS OF SOCIAL ISOLATION ON BEHAVIORAL DIMENSIONS IN AGED MALE AND FEMALE C57BL/6J MICE** 09:30 - 09:30

Speaker: Daniel Alveal (Spain)

PS03-27AM-616 **NO TWO MICE ALIKE: LEVERAGING INTER-INDIVIDUAL VARIABILITY IN THREAT CONDITIONING OF INBRED MICE TO MODEL TRAIT ANXIETY** 09:30 - 09:30

Speaker: Irina Kovlyagina (Germany)

PS03-27AM-618 **ALCOHOL PERTURBED LOCOMOTOR BEHAVIOR, METABOLISM, AND PHARMACOKINETICS OF METHAMPHETAMINE IN RATS** 09:30 - 09:30

Speaker: Sooyeon Lee (Korea, Republic of)

PS03-27AM-619 **THE INFLUENCE OF PRENATAL CBD EXPOSURE ON GROUP DYNAMICS AND SOCIAL BEHAVIORS IN ADULT OFFSPRING** 09:30 - 09:30

Speaker: Alba Caceres Rodriguez (France)

PS03-27AM-620 **QUANTIFYING SOCIAL BEHAVIORS IN JUVENILE SHANK3 MICE USING ANIMAL POSE ESTIMATION TOOLS** 09:30 - 09:30

Speaker: Rosalba Olga Proce (Germany)

PS03-27AM-621 **IS SMARTPHONE USAGE NEGATIVELY ASSOCIATED WITH OUR ABILITY TO SUSTAIN ATTENTION?** 09:30 - 09:30

Speaker: David McGovern (Ireland)

PS03-27AM-622 **NOVEL DVC INTERLINKING HOME CAGE MONITORING SYSTEM FACILITATES SOCIAL BEHAVIOURAL TESTING IN MICE** 09:30 - 09:30

Speaker: Carlo Di Carlo (Italy)

PS03-27AM-623 **EFFECT OF HIGH-INTENSITY INTERVAL AND MODERATE-INTENSITY CONTINUOUS TRAINING ON NEUROPLASTICITY, COGNITION AND SENSORIMOTOR PERFORMANCE IN AGED RATS** 09:30 - 09:30

Speaker: Jérôme Laurin (France)

PS03-27AM-624 **FEASIBILITY OF THE PAVLOVIAN INSTRUMENTAL TRANSFER TASK USING A FULL TRANSFER PARADIGM: A REPLICATION AND META-ANALYSIS** 09:30 - 09:30

Speaker: Felipe Amorim (United Kingdom)

PS03-27AM-625 **GT-02287, A CLINICAL-STAGE GCASE ENHANCER, IMPROVES ACTIVITIES OF DAILY LIVING AND COGNITIVE PERFORMANCE IN A PRECLINICAL MODEL OF GBA1 PARKINSON'S DISEASE** 09:30 - 09:30

Speaker: Beatriz Calvo-Flores Guzman (Switzerland)

PS03-27AM-626	HOME TOBACCO SMOKE EXPOSURE AND FAMILY RESILIENCE SCORES AMONG U.S. CHILDREN	09:30 - 09:30
<i>Speaker:</i> Ashley Merianos (United States)		
PS03-27AM-627	FUNCTIONAL STABILITY AND RECURRENT STDP IN RHYTHMOGENESIS	09:30 - 09:30
<i>Speaker:</i> Gabi Socolovsky (Israel)		
PS03-27AM-628	STUDYING THE PERFORMANCE OF WINNER-TAKE-ALL IN SALIENCY DETECTION	09:30 - 09:30
<i>Speaker:</i> Ori Hendler (Israel)		
PS03-27AM-629	AUTOMATIZED CURATION OF SPIKE SORTING CLUSTERS	09:30 - 09:30
<i>Speaker:</i> Anoushka Jain (Germany)		
PS03-27AM-630	DENDRITIC SPINE RECOVERY ANALYSIS USING SYNTHETIC MICROSCOPY	09:30 - 09:30
<i>Speaker:</i> Sophie Seidler (Germany)		

Scientific Symposia (S)
09:45 - 11:15

A

S17 - Internal world models in humans, animals, and artificial intelligence

Chair: Ilka Diester (University of Freiburg, IMBIT // BrainLinks-BrainTools, Germany)

Chair: David Dupret (University of Oxford, United Kingdom)

Introduction 09:45 - 09:47

Inferring internal models of the environment across hippocampal and neocortical circuits 09:47 - 10:05

Speaker: Helen C Barron (University of Oxford, MRC Brain Network Dynamics Unit and the Wellcome Centre for Integrative Neuroimaging, United Kingdom)

Q&A 10:05 - 10:09

Bayesian inference and model-based reinforcement learning 10:09 - 10:27

Speaker: Kenji Doya (Okinawa Institute of Science and Technology Graduate University, Japan)

Q&A 10:27 - 10:31

Deep Learning for Artificial Intelligence 10:31 - 10:49

Speaker: Thomas Brox (University of Freiburg, Germany)

Q&A 10:49 - 10:53

Towards the neural underpinnings of structure learning 10:53 - 11:11

Speaker: Alla Karpova (HHMI/ Janelia research campus, United States)

Q&A 11:11 - 11:15

Scientific Symposia (S)
09:45 - 11:15

B

S18 - Microglia-neuron interactions: Beyond synaptic pruning

Chair: Corentin Le Magueresse (Institut du Fer à Moulin - INSERM, France)

Chair: Rosa Paolicelli (Department of Biomedical Sciences, University of Lausanne, Switzerland, Switzerland)

Introduction 09:45 - 09:47

Complement controls spine turnover and synapse function through distinct microglial receptors 09:47 - 10:05

Speaker: Corentin Le Magueresse (Institut du Fer à Moulin - INSERM, France)

Q&A 10:05 - 10:09

Microglia govern synapse formation in the normal adult brain through P2Y12 signaling	10:09 - 10:27
<i>Speaker:</i> Laetitia Weinhard (NYU, United States)	
Q&A	10:27 - 10:31
Neuronal activity and immune cues modulate microglia-neuron crosstalk at the nodes of Ranvier	10:31 - 10:49
<i>Speaker:</i> Anne Desmazieres (Paris Brain Institute/Institut du Cerveau (ICM), France)	
Q&A	10:49 - 10:53
Microglia modulate neuronal and vascular responses via purinergic and inflammatory pathways	10:53 - 11:11
<i>Speaker:</i> Adam Denes (Institute of Experimental Medicine, Hungary)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	C
S19 - Spatial Multiomics: Implications for Understanding the Brain	
<i>Chair:</i> Ozgun Gokce (Medical Faculty, University of Bonn German Center for Neurodegenerative Diseases (DZNE), Germany)	
<i>Chair:</i> Gonçalo Castelo-Branco (Karolinska Institutet, Sweden)	
Introduction	09:45 - 09:47
Correlating Spatial Transcriptomics with EM to Study Brain Injury	09:47 - 10:05
<i>Speaker:</i> Ozgun Gokce (Medical Faculty, University of Bonn German Center for Neurodegenerative Diseases (DZNE), Germany)	
Q&A	10:05 - 10:09
Spatial epigenome-transcriptome co-profiling of mammalian brain	10:09 - 10:27
<i>Speaker:</i> Gonçalo Castelo-Branco (Karolinska Institutet, Sweden)	
Q&A	10:27 - 10:31
iTracer as a tool for spatial lineage recording in cerebral organoids	10:31 - 10:49
<i>Speaker:</i> Barbara Treutlein (ETH Zurich, Switzerland)	
Q&A	10:49 - 10:53
A high-resolution transcriptomic and spatial atlas of cell types in the brain	10:53 - 11:11
<i>Speaker:</i> Bosiljka Tasic (Allen Institute for Brain Science, United States)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	D
S20 - Beyond Relay: The Thalamus in Cognition and Action	
<i>Chair:</i> Alessio Delogu (Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology and Neuroscience, King's College London, United Kingdom)	
<i>Chair:</i> Francisco Clasca (School of Medicine, Department of Anatomy & Neuroscience; Universidad Autónoma de Madrid, Spain)	
Introduction	09:45 - 09:47
The input-output logic of the non-sensory thalamus	09:47 - 10:05
<i>Speaker:</i> Francisco Clasca (School of Medicine, Department of Anatomy & Neuroscience; Universidad Autónoma de Madrid, Spain)	

Q&A	10:05 - 10:09
Inhibition in the non-sensory thalamus is controlled by the frontal cortex via a specialized pathway	10:09 - 10:27
<i>Speaker:</i> Nora Hadinger (Hungarian Research Network - Institute of Experimental Medicine, Hungary)	
Q&A	10:27 - 10:31
Thalamocortical bases of adaptive behaviors	10:31 - 10:49
<i>Speaker:</i> Mathieu Wolff (University of Bordeaux/CNRS, France)	
Q&A	10:49 - 10:53
The role of thalamic input in shaping and updating motor plans	10:53 - 11:11
<i>Speaker:</i> Yifat Prut (The Hebrew University, Israel)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	E
S21 - Mechanistic facets of resilience and vulnerability toward the diversity of challenges	
<i>Chair:</i> François Tronche (CNRS, France)	
<i>Chair:</i> Elena Martín-García (Laboratory of Neuropharmacology-Neurophar, Department of Medicine and Life Sciences, Universitat Pompeu Fabra (UPF), Spain)	
Introduction	09:45 - 09:47
Neurobiological signatures associated with vulnerability to food addiction in mice and humans.	09:47 - 10:05
<i>Speaker:</i> Elena Martín-García (Laboratory of Neuropharmacology-Neurophar, Department of Medicine and Life Sciences, Universitat Pompeu Fabra (UPF), Spain)	
Q&A	10:05 - 10:09
The interrelation of lipid and neurotrophin signalling in resilience	10:09 - 10:27
<i>Speaker:</i> Beat Lutz (Leibniz Institute for Resilience Research, Germany)	
Q&A	10:27 - 10:31
Endocannabinoids, stress, and vulnerability to develop trauma-related disorders	10:31 - 10:49
<i>Speaker:</i> Maria Morena (Sapienza University of Rome, CERC Santa Lucia Foundation IRCCS, Italy)	
Q&A	10:49 - 10:53
Stress signaling and chromatin remodelling pattern social status and resilience to psychopathologies	10:53 - 11:11
<i>Speaker:</i> François Tronche (CNRS, France)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	F
S22 - Generalisation of neuronal codes across behaviours, contexts and stimuli	
<i>Chair:</i> Sandra Reinert (Sainsbury Wellcome Centre, United Kingdom)	
<i>Chair:</i> Mario Martin-Fernandez (INSERM, Neurocentre Magendie, France)	
Introduction	09:45 - 09:47
Dynamic encoding of behavioral states in amygdala circuits	09:47 - 10:05
<i>Speaker:</i> Andreas Lüthi (Friedrich Miescher Institute for Biomedical Research, Switzerland)	
Q&A	10:05 - 10:09

Population codes across cortex: Generalization and specialization in inhibitory microcircuits	10:09 - 10:27
<i>Speaker:</i> Caroline A. Runyan (University of Pittsburgh, United States)	
Q&A	10:27 - 10:31
Prefrontal cortex neuronal mechanisms allowing for general and specific danger representations	10:31 - 10:49
<i>Speaker:</i> Mario Martin-Fernandez (INSERM, Neurocentre Magendie, France)	
Q&A	10:49 - 10:53
Neuronal representations of learned rules for visual categorization in mouse prefrontal cortex	10:53 - 11:11
<i>Speaker:</i> Sandra Reinert (Sainsbury Wellcome Centre, United Kingdom)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	G
S23 - The Multifaceted Nature of Cell Communication in Nervous System Development, from Afar and Up Close	
<i>Chair:</i> Julien Ferent (INSERM - Institut du Fer à Moulin, France)	
<i>Chair:</i> Silvia Cappello (Department for Physiological Genomics Biomedical Center - BMC LMU Muenchen, Med. Faculty, Germany)	
Introduction	09:45 - 09:47
Crosstalk between the CSF and embryonic stem cell niche	09:47 - 10:05
<i>Speaker:</i> Ryann Fame (Stanford University, United States)	
Q&A	10:05 - 10:09
Pleotropic functions of morphogens in the development of the nervous system	10:09 - 10:27
<i>Speaker:</i> Julien Ferent (INSERM - Institut du Fer à Moulin, France)	
Q&A	10:27 - 10:31
How the extracellular matrix shapes the developing human cortex.	10:31 - 10:49
<i>Speaker:</i> Katie Long (King's College London, United Kingdom)	
Q&A	10:49 - 10:53
Regulation of cortex folding by controlling neuron migration via differential adhesion	10:53 - 11:11
<i>Speaker:</i> Klein Ruediger (Max-Planck Institute for Biological Intelligence, Germany)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	H
S24 - Recent advances in intellectual disabilities and neurodevelopmental disorders	
<i>Chair:</i> Ludovic Tricoire (Sorbonne universite CNRS , IBPS Neuroscience Paris Seine, France)	
Introduction	09:45 - 09:47
the role of autophagy in neurodevelopmental disorders	09:47 - 10:05
<i>Speaker:</i> Nael Nadif Kasri (Radboud University Medical Centre, Netherlands)	
Q&A	10:05 - 10:09
Excessive proteostasis contributes to pathology in Fragile X	10:09 - 10:27

Syndrome		
<i>Speaker:</i> Susana R. Louros (University of Edinburgh, United Kingdom)		
Q&A		10:27 - 10:31
Stargazin in the etiology of neurodevelopmental disorders		10:31 - 10:49
<i>Speaker:</i> Ângela Inácio (University of Coimbra, CNC-Center for Neuroscience and Cell Biology & IIIUC-Institute for Interdisciplinary Research, Portugal)		
Q&A		10:49 - 10:53
Molecular Mechanisms of Synaptic Dysfunction in the Angelman Syndrome		10:53 - 11:11
<i>Speaker:</i> Matteo Fossati (INSTITUTE OF NEUROSCIENCE - CNR & HUMANITAS RESEARCH HOSPITAL, Italy)		
Q&A		11:11 - 11:15
 <i>Open Theatre (OT)</i>		
11:30 - 12:00		OT
OT05 - Femtonics - Beyond multiphoton microscopy		
Femtonics - Beyond multiphoton microscopy		11:30 - 11:30
<i>Speaker:</i> Nikita Mikhailov (Femtonics, Hungary)		
Exploring the versatility - Major and minor applications of the FEMTO3D ATLAS microscope		11:30 - 11:30
<i>Speaker:</i> Zsolt Mezriczky (Femtonics, Hungary)		
 <i>Special Interest Events (SiE)</i>		
12:00 - 13:00		D
SiE06 - Advocacy for responsible use of animals in neuroscience as long as needed		
<i>Chair:</i> Roman Stilling (Germany)		
<i>Chair:</i> Christelle Baunez (France)		
Programme		12:00 - 12:00
Speakers		12:00 - 12:00
<i>Speaker:</i> Kaitlyn Hair (United Kingdom)		
<i>Speaker:</i> Kirk Leech (United Kingdom)		
<i>Speaker:</i> Anna S. Mitchell (New Zealand)		
 <i>Special Interest Events (SiE)</i>		
12:00 - 12:45		E
SiE07 - Application of AI and VR to mental illness		
<i>Moderator:</i> Daniel Guinart (Spain)		
Programme		12:00 - 12:00
Speakers		12:00 - 12:00
<i>Speaker:</i> Emanuel Schwarz (Germany)		
<i>Speaker:</i> Louise Birkedal Glenthøj (Denmark)		
 <i>Special Interest Events (SiE)</i>		
12:00 - 12:45		G
SiE08 - Beyond academia: A multiverse of career paths for neuroscientists		
<i>Chair:</i> Dirk Schubert (Radboud University Medical Centre Nijmegen, Netherlands)		
<i>Chair:</i> Áine Kelly (Trinity College Dublin, Ireland)		
Speakers		12:00 - 12:00
<i>Speaker:</i> Marijn Maartens (Synaptica Ltd., Netherlands)		
<i>Speaker:</i> Tamara Gerbert (Brightmind.AI, Austria)		

Speaker: Emily Vereker (National Office for Research Ethics Committees, Ireland)

Special Interest Events (SiE)

12:00 - 13:00

RT

SiE10 - ALBA-IBRO Workshop on diversity & inclusion allyship at scientific conferences

Chair: Rachel Dangarembizi (South Africa)

Moderator: Agnes Uherezky (Belgium)

Programme

12:00 - 12:00

Open Theatre (OT)

12:15 - 12:45

OT

OT06 - A Meditation for Energy and Focus - a 30 minute practice

Open Theatre (OT)

13:00 - 13:30

OT

OT07 - Harvard Bioscience - Holistic Approaches to Basic Neuroscience Research

Special Lecture (SL)

13:30 - 14:15

A

SL04 - Host Society Special Lecture, Lisa Feldman Barrett (US)

Introduction

13:30 - 13:35

Allostasis as the brain's most basic function, evidence in adults, and the implications for social development in young children

13:35 - 14:15

Speaker: Lisa Feldman Barrett (Northeastern University and Massachusetts General Hospital, United States)

Special Lecture (SL)

13:30 - 14:15

C

SL05 - Boehringer Ingelheim / FENS Research Award Lecture, Maria Llorens-Martín (ES), Michael Yartsev (US)

Introduction

13:30 - 13:35

Adult hippocampal neurogenesis during physiological and pathological aging

13:35 - 13:55

Speaker: Maria Llorens-Martín (Spanish National Research Council (CSIC), Spain)

Neuroscience of Natural Spatial Behaviors in Bats

13:55 - 14:15

Speaker: Michael Yartsev (Department of Neuroscience and Bioengineering, University of California, Berkeley, United States)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Developmental Neuroscience

PS04-27PM-544

THE INSIDE-OUT OF EMOTION PROCESSING: EVALUATING CHILDREN AND ADULTS' NEURAL CORRELATES FROM A NOVEL FMRI MOVIE-WATCHING PARADIGM

14:00 - 14:00

Speaker: Sofia Scatolin (Switzerland)

PS04-27PM-545

REFLECTIONS OF MINDS? EXPLORING BEHAVIORAL AND NEURAL SIMILARITY IN FRIEND DYADS

14:00 - 14:00

Speaker: Elena Federici (Switzerland)

PS04-27PM-546

DEVELOPMENTAL DIFFERENCES IN REWARD-LEARNING AND FUNCTIONAL CONNECTIVITY

14:00 - 14:00

Speaker: Zsófia Karlócai (Germany)

PS04-27PM-547 **COMPUTATIONAL AND NEUROMODULATORY MECHANISMS OF IMPAIRED TRUST LEARNING IN OLDER ADULTS** 14:00 - 14:00

Speaker: Ronald Sladky (Austria)

PS04-27PM-548 **RELATIONSHIP BETWEEN CORTICAL EXCITABILITY AND INHIBITORY CONTROL PERFORMANCE IN ADOLESCENTS WITH ATTENTION-DEFICIT/HYPERACTIVITY DISORDER (ADHD): A PILOT STUDY** 14:00 - 14:00

Speaker: Jia-Ling Sun (Taiwan)

PS04-27PM-549 **PRACTICE-RELATED CHANGES IN PREFRONTAL ACTIVATION AND REPRESENTATIONS DURING TASK SWITCHING IN CHILDREN** 14:00 - 14:00

Speaker: Sina Schwarze (Germany)

PS04-27PM-550 **THE ROLE OF THE MEAN DIFFUSIVITY OF THE AMYGDALA IN THE PERCEPTION OF EMOTIONAL FACES IN 8 MONTHS OLD INFANTS** 14:00 - 14:00

Speaker: Niloofar Hashempour (Finland)

PS04-27PM-551 **PRE- AND POSTNATAL MATERNAL DEPRESSIVE SYMPTOMS ASSOCIATE WITH LOCAL CONNECTIVITY OF THE LEFT AMYGDALA IN 5-YEAR-OLDS** 14:00 - 14:00

Speaker: Elena Vartiainen (Finland)

PS04-27PM-552 **EXPLORING THE INFLUENCE OF MATERNAL PRENATAL DEPRESSIVE SYMPTOMS AND HAIR CORTISOL CONCENTRATION ON INFANT CORPUS CALLOSUM INTEGRITY** 14:00 - 14:00

Speaker: isabella mariani wigley (Finland)

PS04-27PM-553 **THE EFFECT OF PUBERTAL DEVELOPMENT ON SPATIAL REASONING** 14:00 - 14:00

Speaker: Jorge Borrani (Mexico)

PS04-27PM-554 **SHARED NEURAL NETWORK INTERACTIONS UNDERLYING VISUAL COGNITION, ATTENTIONAL REORIENTATION, AND EXECUTIVE FUNCTION ACROSS DEVELOPMENTAL STAGES** 14:00 - 14:00

Speaker: Chayanon Kitkana (Thailand)

PS04-27PM-555 **EXPOSURE TO MATERNAL PRE- AND POSTNATAL PSYCHOLOGICAL DISTRESS: EFFECTS ON BRAIN STRUCTURE IN 5-YEAR-OLD CHILDREN** 14:00 - 14:00

Speaker: Elmo Pulli (Finland)

PS04-27PM-556 **EVOLVING PERSPECTIVES: CHILDREN'S FUNCTIONAL BRAIN CORRELATES AND EMERGING CONNECTIVITY PATTERNS DURING MENTALIZING** 14:00 - 14:00

Speaker: Réka Borbás (Switzerland)

PS04-27PM-557 **NEONATAL WHITE MATTER MICROSTRUCTURE PREDICTS ATTENTION DISENGAGEMENT FROM FEARFUL FACES AT 8 MONTHS** 14:00 - 14:00

Speaker: Hilyatushalihah Audah (Finland)

PS04-27PM-558 **GESTATIONAL AND POSTNATAL AGE-RELATED CHANGES IN APERIODIC & PERIODIC PARAMETERS FROM NEONATAL AND TODDLER ELECTROENCEPHALOGRAM (EEG)** 14:00 - 14:00

Speaker: Silja Luotonen (Finland)

PS04-27PM-560 **EXPLORING THE EFFECTS OF INCARCERATION ON DECISION-MAKING PROCESSES: A LONGITUDINAL EEG STUDY ON CURRENT AND FORMER PRISONERS** 14:00 - 14:00

Speaker: Victoria Rambaud (Belgium)

PS04-27PM-561 **EFFECTS OF PARENTING BEHAVIORS ON CHILDREN'S AND** 14:00 - 14:00

YOUNG ADULTS EMOTION REGULATORY BRAIN STRUCTURE*Speaker:* Mirjam Habegger (Switzerland)

PS04-27PM-562 **DEVELOPMENTAL AND TEMPORAL DYNAMICS IN COGNITIVE CONTROL ENGAGEMENT DURING EXPLICIT LEARNING** 14:00 - 14:00

Speaker: Hyeji Lee (United Kingdom)

PS04-27PM-563 **NARROWBAND FMRI BOLD SIGNAL ENTROPY PREDICTS NEONATAL AGE** 14:00 - 14:00

Speaker: Ilkka Suuronen (Finland)

PS04-27PM-564 **CHILDHOOD TRAUMA IN THE ADULT BRAIN: THE RELATIONSHIP BETWEEN ADVERSE CHILDHOOD EXPERIENCES, BRAIN STRUCTURE, AND MENTAL HEALTH IN LATE ADULTHOOD** 14:00 - 14:00

Speaker: Anne Klimesch (Germany)

PS04-27PM-565 **FRONTOPOLAR CORTEX IS ASSOCIATED WITH THE DEVELOPMENT OF THE ABILITY TO SELECT COMPLEX RULES: AN FNIRS STUDY** 14:00 - 14:00

Speaker: Taeko Harada (Japan)

PS04-27PM-566 **ASSESSING SIMILARITY IN FUNCTIONAL BRAIN CONNECTIVITY PATTERNS OF PARENT-CHILD DYADS DURING MENTALIZING** 14:00 - 14:00

Speaker: Dennis Jonathan Saikkonen (Switzerland)

PS04-27PM-567 **MATERNAL VERSUS STRANGER'S TOUCH AT 10 MONTHS: AN FNIRS STUDY** 14:00 - 14:00

Speaker: Camila Fragoso Ribeiro (Brazil)

PS04-27PM-568 **DEVELOPMENT AND INTERGENERATIONAL PERSPECTIVES ON CORTICOLIMBIC BRAIN STRUCTURES DURING CHILDHOOD** 14:00 - 14:00

Speaker: Plamina Dimanova (Switzerland)

PS04-27PM-569 **NEUROCOGNITIVE PROFILES OF CHILDHOOD MALTREATMENT SUBTYPES: UNDERSTANDING THE EFFECTS OF CHILDHOOD EMOTIONAL ABUSE ON THE ADULT SOCIAL BRAIN** 14:00 - 14:00

Speaker: Stephanie Spengler (Germany)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 04 - Advances in Neurochemical Imaging

PS04-27PM-454 **A NEW TRANSGENIC MOUSE MODEL FOR FUNCTIONAL TRACING OF CIRCULATION VIA ALBUMIN-TAGGED FLUORESCENT PROBES** 14:00 - 14:00

Speaker: Marta Vittani (Denmark)

PS04-27PM-455 **CHRONIC VISUALIZATION OF MICROCIRCULATION IN MICE USING VIRAL VECTORS EXPRESSING FLUORESCENT PROTEIN-FUSED ALBUMIN** 14:00 - 14:00

Speaker: Xiaowen Wang (Denmark)

PS04-27PM-456 **A NEW FAMILY OF MULTICOLOR GENETICALLY ENCODED INDICATORS FOR FAST, SENSITIVE, AND SELECTIVE IN VIVO IMAGING OF NOREPINEPHRINE** 14:00 - 14:00

Speaker: Zacharoula Kagiampaki-Baimpaki (Switzerland)

PS04-27PM-457 **SDARKEN - NEW DEVELOPMENTS OF A GENETICALLY ENCODED SEROTONIN SENSOR** 14:00 - 14:00

Speaker: Martin Kubitschke (Germany)

PS04-27PM-458 **IMPROVED DUAL-COLOR GRAB SENSORS FOR MONITORING DOPAMINERGIC ACTIVITY IN VIVO** 14:00 - 14:00

Speaker: Yizhou Zhuo (China)

PS04-27PM-459 **A SUITE OF NOVEL PROBES AND METHODS FOR MONITORING** 14:00 - 14:00

SIGNALING PATHWAYS*Speaker:* Kiryl Piatkevich (China)

PS04-27PM-460 **A NEW GENERATION OF RED SHIFTED GENETICALLY ENCODED CALCIUM INDICATORS WITH MSCARLET3** 14:00 - 14:00

Speaker: Ryan Fink (Germany)

PS04-27PM-461 **NEW GENERATION OF GENETICALLY ENCODED DOPAMINE SENSORS FOR IMAGING BRAIN-WIDE DOPAMINE RELEASE** 14:00 - 14:00

Speaker: Julie Chouinard (United States)

PS04-27PM-462 **BRAIN-WIDE IN VIVO DOPAMINE DYNAMICS REVEALED WITH NEXT GENERATION DLIGHTS** 14:00 - 14:00

Speaker: Jacob Roshgadol (United States)

PS04-27PM-463 **GENETICALLY ENCODED IGLUSNFR2 VARIANTS FOR IMAGING GABA RELEASE AT A SINGLE SYNAPSE LEVEL IN VITRO AND IN VIVO** 14:00 - 14:00

Speaker: Olga Kopach (United Kingdom)

PS04-27PM-464 **OPTICAL IMAGING OF CEREBROSPINAL FLUID VIA AAV-MEDIATED SECRETORY FLUORESCENT PROTEIN** 14:00 - 14:00

Speaker: Masaki Nagao (Denmark)

PS04-27PM-465 **AAV-COMPATIBLE OPTOGENETIC TOOLS FOR ACTIVATING ENDOGENOUS CALCIUM CHANNELS IN VIVO** 14:00 - 14:00

Speaker: Hyoin Lee (Korea, Republic of)

PS04-27PM-466 **ENGINEERING CAPSID-VARIANT AAVS FOR SELECTIVE GENE DELIVERY TO DENTATE GYRUS GRANULE CELLS IN THE HIPPOCAMPUS** 14:00 - 14:00

Speaker: Severine Deforges (France)

PS04-27PM-467 **A BISTABLE INHIBITORY OPTOGPCR FOR MULTIPLEXED OPTOGENETIC CONTROL OF NEURAL CIRCUITS** 14:00 - 14:00

Speaker: Jonas Wietek (Germany)

PS04-27PM-468 **IMAGING INTRACELLULAR CHLORIDE CHANGES USING THE FRET-BASED SUPERCLOMELEON SENSOR** 14:00 - 14:00

Speaker: Lotte Herstel (Netherlands)

PS04-27PM-469 **SCREENING AAV DELIVERY ROUTES, CAPSIDS AND PROMOTERS FOR CORTEX-WIDE FUNCTIONAL AND LONG-TERM STABLE ACCESS TO BRAIN FUNCTION IN LARGE-BRAIN SPECIES** 14:00 - 14:00

Speaker: Fanni Somogyi (Hungary)

PS04-27PM-470 **A NOVEL FLUORESCENT SENSOR REVEALS EVOKED CHLORIDE TRANSIENTS IN VIVO** 14:00 - 14:00

Speaker: Giacomo Pasquini (Italy)

PS04-27PM-471 **DEVELOPMENT OF A GENETICALLY-ENCODED SENSOR FOR PROBING ENDOGENOUS NOCICEPTIN OPIOID PEPTIDE RELEASE** 14:00 - 14:00

Speaker: Xuehan Zhou (Switzerland)

PS04-27PM-472 **CELL-SPECIFIC SIMULTANEOUS OPTOGENETIC STIMULATION AND INHIBITION UTILIZING DUAL-COLOR STRIPED ORGANIC LEDS** 14:00 - 14:00

Speaker: Jens Weber (Germany)

PS04-27PM-473 **BRAIN BIOLUMINESCENCE OF A G PROTEIN-COUPLED RECEPTOR PHOTODRUG** 14:00 - 14:00

Speaker: Glòria Salort Flaquer (Spain)

PS04-27PM-474 **IN VIVO OPTICAL INTERROGATION OF NEURONAL RESPONSES TO GENETIC, CELL TYPE-SPECIFIC SILENCING** 14:00 - 14:00

Speaker: Sidney Cambridge (Germany)

PS04-27PM-475	OPTOSENS-FMRI OF THE NIGROSTRIATAL PATHWAY	14:00 - 14:00
<i>Speaker:</i> Christina Grimm (Switzerland)		
PS04-27PM-476	FUNCTIONAL GENE DELIVERY USING A NOVEL BLOOD-BRAIN-BARRIER-CROSSING AAV CAPSID IN RATS	14:00 - 14:00
<i>Speaker:</i> Irmak Toksoz (United Kingdom)		
PS04-27PM-477	TARGETING NOREPINEPHRINE NEURONS OF THE LOCUS COERULEUS: A COMPARISON OF MODEL SYSTEMS AND STRATEGIES	14:00 - 14:00
<i>Speaker:</i> Lena Susann Eschholz (Germany)		
PS04-27PM-478	K-BIPOLES: THE NEXT GENERATION OF BIDIRECTIONAL OPTOGENETIC ACTUATORS	14:00 - 14:00
<i>Speaker:</i> Niklas Meyer (Germany)		
PS04-27PM-479	INLOV: OPTOGENETICS FOR LIGHT-CONTROLLED INSULIN SIGNALING MODULATES NEURONAL PLASTICITY AND CEREBELLAR DRIVEN BEHAVIOR	14:00 - 14:00
<i>Speaker:</i> Ida Siveke (Germany)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Synaptic Architecture and Plasticity		
PS04-27PM-393	BDNF/TRKB SIGNALLING, IN COOPERATION WITH MUSCARINIC SIGNALLING, RETROGRADELY REGULATES PKA PATHWAY TO PHOSPHORYLATE SNAP-25 AND SYNAPSIN-1 AT THE NMJ	14:00 - 14:00
<i>Speaker:</i> Aleksandra Polishchuk (Spain)		
PS04-27PM-394	PRESYNAPTIC ACTIVITY AND MUSCLE CONTRACTION REGULATE THE CHOLINERGIC PROTEINS INVOLVED IN THE ACH CYCLE THROUGH THE ACTION OF MUSCARINIC RECEPTORS IN THE SKELETAL MUSCLE	14:00 - 14:00
<i>Speaker:</i> Meryem Jami El Hirchi (Spain)		
PS04-27PM-395	PROTEIN-LIPID BINDING PROPERTIES IMPLICATE PICCOLINO IN SYNAPTIC VESICLE TETHERING AT PHOTORECEPTOR RIBBON SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Michalina Gadowska (Germany)		
PS04-27PM-396	BASSOON AND PICCOLINO COOPERATE TO MAINTAIN ROD PHOTORECEPTOR SYNAPTIC INTEGRITY AND SURVIVAL	14:00 - 14:00
<i>Speaker:</i> Sophia Bayer (Germany)		
PS04-27PM-397	PROTEOMIC ANALYSIS OF ROD AND CONE PHOTORECEPTORS FROM MOUSE RETINA	14:00 - 14:00
<i>Speaker:</i> Uwe Thorsten Lux (Germany)		
PS04-27PM-398	SYNAPSIN 2A TETRAMERISATION SELECTIVELY CONTROLS THE NANOSCALE CLUSTERING OF RESERVE SYNAPTIC VESICLES AT THE HIPPOCAMPAL PRESYNAPSE	14:00 - 14:00
<i>Speaker:</i> Shanley Sanders (Australia)		
PS04-27PM-399	SYNAPTIC CONTROL OF MICROTUBULE ORGANISATION IN PARVALBUMIN INTERNEURONS	14:00 - 14:00
<i>Speaker:</i> Daniela Hacker (Germany)		
PS04-27PM-400	SYNAPTOPODIN REGULATES DENERVATION-INDUCED PLASTICITY AT HIPPOCAMPAL MOSSY FIBER SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Pia Kruse (Germany)		
PS04-27PM-402	SYNAPSIN II DIFFERENTIAL MODULATION OF PRESYNAPTIC VOLTAGE GATED CA²⁺ CHANNELS IN EXCITATORY SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Caterina Canevari (Italy)		

PS04-27PM-403	THE CA₂⁺ SENSORS OF SYNCHRONOUS AND ASYNCHRONOUS RELEASE AT HIPPOCAMPAL MOSSY FIBER SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Silvia Jamrichova (Austria)		
PS04-27PM-404	MOLECULAR INSIGHTS IN THE BIOGENESIS AND TRANSPORT OF PRESYNAPTIC TRANSPORT VESICLES	14:00 - 14:00
<i>Speaker:</i> Astrid Petzoldt (Germany)		
PS04-27PM-405	CA_v2.1 SPLICE VARIANTS ORGANIZE IN NANODOMAINS AT PRESYNAPTIC BOUTONS WHERE THEY DIFFERENTIALLY REGULATE SYNAPTIC VESICLE RELEASE AND SYNAPTIC FACILITATION	14:00 - 14:00
<i>Speaker:</i> Asja Ragnini (Italy)		
PS04-27PM-406	TWO DISTINCT VESICLE LOADING PROCESSES UNDERLYING DELAYED FACILITATION AT EXCITATORY SYNAPSES IN PREFRONTAL CORTEX	14:00 - 14:00
<i>Speaker:</i> JIWOO SHIN (Korea, Republic of)		
PS04-27PM-407	UPREGULATION OF STATHMIN-2 INDUCES MICROTUBULE DEPENDENT SYNAPTIC MODIFICATIONS DURING THE REWIRING OF NEURONAL CONNECTIVITY	14:00 - 14:00
<i>Speaker:</i> Pablo Martínez San Segundo (Spain)		
PS04-27PM-408	SYNAPTIC VESICLE PROTEIN RECYCLING IN COUPLED EXO-ENDOCYTOSIS IN MAMMALIAN PRESYNAPSES	14:00 - 14:00
<i>Speaker:</i> Vivek Belapurkar (France)		
PS04-27PM-409	LOSS OF THE PRESYNAPTIC SCAFFOLD PICCOLO REDUCES CA²⁺ SENSITIVITY OF GLUTAMATE RELEASE AND SHORT-TERM PLASTICITY IN SMALL BRAIN SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Anke Boerner (Germany)		
PS04-27PM-410	CROSSTALK BETWEEN GLIAL CX43 HEMICHANNELS AND NEURONAL PANX1 HEMICHANNELS AND P2X7 RECEPTORS ORCHESTRATES PRESYNAPTIC HOMEOSTATIC PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Nathalia Vitureira (Uruguay)		
PS04-27PM-411	DISTINCT FUNCTIONS OF SYNAPTOTAGMIN-1 AND -7 IN NEUROTRANSMITTER RELEASE	14:00 - 14:00
<i>Speaker:</i> Sina Zobel (Germany)		
PS04-27PM-412	ALTERNATIVE SPLICING OF CA_v2.1 EF-HAND CONTRIBUTES TO THE TIGHTNESS OF CALCIUM INFLUX-NEUROTRANSMITTER RELEASE COUPLING AT MOUSE CEREBELLAR SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Kohgaku Eguchi (Japan)		
PS04-27PM-413	REVEALING THE NANOSCALE ORGANIZATION OF PRESYNAPTIC ACTIN USING ISOLATED MICROPATTERNED PRESYNAPSES	14:00 - 14:00
<i>Speaker:</i> Sofia Tumminia (France)		
PS04-27PM-414	MICROTUBULE DEPOLYMERIZATION CONTRIBUTES TO SPONTANEOUS NEUROTRANSMITTER RELEASE	14:00 - 14:00
<i>Speaker:</i> Cecilia Velasco Dominguez (Spain)		
PS04-27PM-415	NANOSCOPIC DISTRIBUTION OF VAMP2 AND VAMP7, IN STRIATAL CHOLINERGIC VARICOSITIES AND THEIR RESPECTIVE LOCALIZATION WITH VACHT AND VGLUT3 IN SYNAPTIC VESICLES	14:00 - 14:00
<i>Speaker:</i> Véronique Bernard (France)		
PS04-27PM-416	COPINE-6 IS A CA²⁺ SENSOR FOR ACTIVITY-INDUCED AMPA RECEPTOR EXOCYTOSIS	14:00 - 14:00
<i>Speaker:</i> Victor Anggono (Australia)		
PS04-27PM-417	DISTINCT NEUROPEPTIDE SECRETION MECHANISMS ACROSS	14:00 - 14:00

CELL TYPES IN THE MAMMALIAN CNS*Speaker:* Enedina Zepcan (Netherlands)

PS04-27PM-418 **INHIBITORY SYNAPSES ON SPINAL MOTONEURONS EXPRESS VAMP1 AND VAMP2 AND BOTH ARE REDUCED BY TETANUS TOXIN WHILE SPARING THESE SAME VAMPS IN ADJACENT EXCITATORY SYNAPSES** 14:00 - 14:00

Speaker: Paula M Calvo (Spain)

PS04-27PM-419 **SYNAPSIN ROLE IN PRESYNAPTIC POTENTIATION AT HIPPOCAMPAL MOSSY FIBER BOUTONS** 14:00 - 14:00

Speaker: Marta Orlando (Germany)

PS04-27PM-420 **PRESYNAPTIC CALCIUM DYNAMICS IN CYTOSOL AND ER AND THE INTERPLAY OF ER MEMBRANE LOCATED PUMPS AND CHANNELS** 14:00 - 14:00

Speaker: Nicole Flores-Pretell (Saudi Arabia)*Poster Sessions*

14:00 - 17:30

Posters

PS04 - Poster Session 04 (Poster authors in attendance: 14:00 - 15:30)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 04 - Advances in Sensory Processing

PS04-27PM-120 **NEURAL DYNAMICS DURING A VISUAL ATTENTION AND PERCEPTION TASK IN THE SUPERIOR COLLICULUS** 14:00 - 14:00

Speaker: Florian Schmidt (Austria)

PS04-27PM-121 **A THALAMIC ACTION CUE HUB COORDINATES EARLY VISUAL PROCESSING AND PERCEPTION** 14:00 - 14:00

Speaker: Anton Sumser (Austria)

PS04-27PM-122 **EXPLORING VISUAL ADAPTATION IN VIVO: THE EFFECT OF LUMINANCE ON RECEPTIVE FIELD PROPERTIES** 14:00 - 14:00

Speaker: Divyansh Gupta (Austria)

PS04-27PM-123 **DYNAMIC AND STATE-DEPENDENT SWITCHING OF BEHAVIOUR IN RESPONSE TO COMPETING VISUAL STIMULI IN DROSOPHILA** 14:00 - 14:00

Speaker: Roshan Kumar Satapathy (Austria)

PS04-27PM-124 **A LARGE-SCALE FUNCTIONAL APPROACH TO DEFINE RETINAL CIRCUIT (MISS)WIRING** 14:00 - 14:00

Speaker: Eleonora Quiroli (Austria)

PS04-27PM-125 **DEFINING THE BEHAVIORAL REPERTOIRE INSTRUCTED BY THE FLY'S 'COCKPIT'** 14:00 - 14:00

Speaker: Saliha Ece Sonmez (Austria)

PS04-27PM-126 **THE ROLE OF SEROTONIN IN ESCAPE RESPONSES AND LEARNED ADAPTATION TO THE LOOMING STIMULUS** 14:00 - 14:00

Speaker: Dafna` Ljubotina (Austria)

PS04-27PM-127 **DEFINING THE SYNAPSE-SPECIFIC LANDSCAPE OF CELL ADHESION MOLECULES IN THE FLY VISUAL SYSTEM** 14:00 - 14:00

Speaker: Tomas Masson (Austria)

PS04-27PM-128 **THE INFLUENCE OF LOCOMOTION ON VISUAL TUNING OF NEURONS IN THE SUPERFICIAL SUPERIOR COLLICULUS OF MICE** 14:00 - 14:00

Speaker: Liad Baruchin (United Kingdom)

PS04-27PM-129 **LOCOMOTION MODULATES VISUAL ADAPTATION IN THE MOUSE** 14:00 - 14:00

SUPERIOR COLLICULUS*Speaker:* Maria Florencia Gonzalez Fleitas (United Kingdom)

PS04-27PM-130 **CONTRAST-INVARIANT ORIENTATION SELECTIVITY IN A SYNTHETIC BIOLOGY MODEL OF THE EARLY VISUAL PATHWAY** 14:00 - 14:00

Speaker: Julian Vogel (Germany)

PS04-27PM-131 **STRATEGIC POSITIONING OF VISUAL CORTICAL ORIENTATION COLUMNS** 14:00 - 14:00

Speaker: Luis Peters (Germany)

PS04-27PM-132 **STATISTICAL ENSEMBLE ANALYSIS: A COMPREHENSIVE INVESTIGATION OF PATTERN EQUIVALENCE IN ORIENTATION PREFERENCE MAPS** 14:00 - 14:00

Speaker: Michael Sternbach (Germany)

PS04-27PM-133 **INSTABILITY OF ORIENTATION CODING IN MOUSE PRIMARY VISUAL CORTEX DURING A VISUAL ODDBALL TASK** 14:00 - 14:00

Speaker: Jeroen van Daatselaar (Netherlands)

PS04-27PM-135 **VISUAL CORTEX INSTRUCTS LEARNING DURING ADAPTIVE DECISION-MAKING** 14:00 - 14:00

Speaker: Sara Mederos (United Kingdom)

PS04-27PM-136 **HIERARCHY OF PREDICTION ERRORS SHAPES CONTEXT-DEPENDENT SENSORY REPRESENTATIONS** 14:00 - 14:00

Speaker: Matthias Tsai (Switzerland)

PS04-27PM-137 **EYE-OPENING WITNESSES AN AROUSAL STATE INFLUENCE SHIFT ON THE DYNAMIC OF SPONTANEOUS AND SENSORY-EVOKED NETWORK ACTIVITY IN V1** 14:00 - 14:00

Speaker: Manal Salmi (United States)

PS04-27PM-138 **TEMPORAL INTEGRATION OF AUDIO-VISUAL STIMULI IN THE MOUSE SUPERIOR COLLICULUS** 14:00 - 14:00

Speaker: Gaia Bianchini (United Kingdom)

PS04-27PM-139 **DUAL ENCODING OF MOTION CUES IN FELINE PRIMARY VISUAL CORTEX** 14:00 - 14:00

Speaker: Hamish Meffin (Australia)

PS04-27PM-140 **DIVERSE NEURONAL RESPONSES TO VISUAL PRECISION IN CAT CORTICAL AREA 21A: UNRAVELING THE COMPLEXITY OF ORIENTATION PROCESSING** 14:00 - 14:00

Speaker: Nelson Cortes (Canada)

PS04-27PM-141 **BINOCULAR CONFLICT IN MOUSE VISUAL CORTEX** 14:00 - 14:00

Speaker: Mathis Bassler (Netherlands)

PS04-27PM-142 **NEURAL ENCODING OF SENSORY "SURPRISE" IN THE MOUSE CORTEX** 14:00 - 14:00

Speaker: Diego Benusiglio (Italy)

PS04-27PM-143 **INTRINSIC TRAVELING WAVES IN EXTRASTRIATE CORTEX IMPROVE TARGET DETECTION BY INCREASING TARGET-EVOKED AND SUPPRESSING NON-TARGET POPULATION ACTIVITY** 14:00 - 14:00

Speaker: Zachary Davis (United States)

PS04-27PM-144 **MECHANISMS CONTROLLING REPRESENTATIONAL DRIFT IN MOUSE VISUAL CORTEX** 14:00 - 14:00

Speaker: Uwe Lewin (Germany)

PS04-27PM-145 **PREDICTION ERRORS ELICIT FASTER AND MORE ACCURATE BEHAVIOURAL RESPONSES** 14:00 - 14:00

Speaker: Reuben Rideaux (Australia)

PS04-27PM-146	OCULAR DOMINANCE COLUMNS IN MOUSE VISUAL CORTEX	14:00 - 14:00
	<i>Speaker:</i> Pieter Goltstein (Germany)	
PS04-27PM-147	SENSORY SURPRISE SIGNALS IN THE VISUAL CORTEX OF THE ANESTHETIZED MOUSE	14:00 - 14:00
	<i>Speaker:</i> Adriana Nagy-Dabacan (Romania)	
PS04-27PM-148	PERCEPTUAL FILLING-IN REFLECTS RESPONSE PROPERTIES OF EARLY VISUAL CORTEX	14:00 - 14:00
	<i>Speaker:</i> Anna Razafindrahaba (Netherlands)	
PS04-27PM-149	WHOLE-BRAIN MRI AND SINGLE-CELL NEURAL RESOURCES UNDERLYING SENSORY-DRIVEN TEMPORAL EXPECTATION IN MICE	14:00 - 14:00
	<i>Speaker:</i> Tim Adrian Wendlandt (Germany)	
PS04-27PM-150	COMPARISON OF ACETYLCHOLINE RELEASE IN THE MOUSE CEREBRAL CORTEX IN RESPONSE TO STANDARD VISUAL STIMULI VS DYNAMIC VIRTUAL REALITY ENVIRONMENT	14:00 - 14:00
	<i>Speaker:</i> Julie Azrak (Canada)	
PS04-27PM-151	DRIVING EFFECT OF DISTAL SURROUND STIMULI ON PRIMARY VISUAL CORTEX FIRING RATES	14:00 - 14:00
	<i>Speaker:</i> Nisa Cuevas Vicente (Germany)	
PS04-27PM-152	MODELING THE NON-LINEAR SPATIAL INTEGRATION IN V1 SUPRAGRANULAR LAYERS THROUGH ASYMMETRIC HORIZONTAL CONNECTIONS	14:00 - 14:00
	<i>Speaker:</i> Remy Cagnol (Czech Republic)	
PS04-27PM-153	NEURONAL CIRCUIT FOR MULTISENSORY INTEGRATION IN HIGHER VISUAL CORTEX	14:00 - 14:00
	<i>Speaker:</i> Mio Inoue (Japan)	
PS04-27PM-154	STATE DEPENDENT TARGET REPRESENTATION IN AREA V4 OF MACAQUE VISUAL CORTEX	14:00 - 14:00
	<i>Speaker:</i> Kumari Liza (Switzerland)	
PS04-27PM-155	MARSUPIAL DUNNARTS HAVE THE SMALLEST VISUAL CORTEX YET REPORTED TO HAVE ORIENTATION PREFERENCE MAPS	14:00 - 14:00
	<i>Speaker:</i> Jason Jung (Australia)	
PS04-27PM-156	COMPONENTS OF VISUAL IMAGE AND CATEGORY INFORMATION IN HUMAN MEG	14:00 - 14:00
	<i>Speaker:</i> Jan Kevin Schlüsener (Germany)	
PS04-27PM-157	APICAL DENDRITES DRIVE SURROUND RESPONSES IN VISUAL CORTEX	14:00 - 14:00
	<i>Speaker:</i> Anyi Liu (United Kingdom)	
PS04-27PM-158	MODALITY SPECIFICITY OF MULTISENSORY INTEGRATION AND DECISION-MAKING IN FRONTAL CORTEX AND SUPERIOR COLLICULUS	14:00 - 14:00
	<i>Speaker:</i> Alice Despatin (Germany)	
PS04-27PM-159	OPTOGENETICALLY SCANNING THE MOUSE DORSAL CORTEX TO IDENTIFY BRAIN AREAS CAUSALLY INVOLVED IN VISUAL HEMINEGLECT	14:00 - 14:00
	<i>Speaker:</i> Medina Husic (Netherlands)	
PS04-27PM-160	USING RETINOTOPIC MAPPING IN CONVOLUTIONAL NEURAL NETWORKS OBJECT CATEGORIZATION LEADS TO SALIENCY BASED VISUAL OBJECT LOCALIZATION	14:00 - 14:00
	<i>Speaker:</i> Jean-Nicolas Jérémie (France)	
PS04-27PM-161	LOCAL VERSUS GLOBAL ILLUSORY-CONTOUR PROCESSING IN	14:00 - 14:00

MOUSE VISUAL CORTEX*Speaker:* Lilian Emming (Netherlands)

PS04-27PM-162 **VISUAL CALLOSAL NEURONS TRANSMIT DIFFERENT SPATIAL FREQUENCY INFORMATION ORIGINATING FROM NASAL AND TEMPORAL RETINA** 14:00 - 14:00

Speaker: Kerstin Schmidt (Brazil)

PS04-27PM-163 **DYNAMIC AND ADDITIVE AUDIOVISUAL INTEGRATION IN MICE** 14:00 - 14:00

Speaker: Timothy Sit (United Kingdom)

PS04-27PM-164 **PROBING EXPECTATION SIGNALS IN SENSORY DECISION-MAKING USING LARGE-SCALE TWO-PHOTON IMAGING** 14:00 - 14:00

Speaker: Samuel Picard (United Kingdom)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 04 - Neurodegenerative Disease Interactions

PS04-27PM-349 **PREDIABETES AND TYPE 2 DIABETES AFFECT TAU PHOSPHORYLATION PATTERNS IN MURINE MODELS OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: MARIA VARGAS SORIA (Spain)

PS04-27PM-350 **STRUCTURAL AND FUNCTIONAL ALTERATIONS IN THE RETINA OF A MODEL OF ALZHEIMER'S DISEASE AND TYPE 2 DIABETES** 14:00 - 14:00

Speaker: Angel del Marco (Spain)

PS04-27PM-351 **TYPE ONE DIABETES MODIFIES TAU PHOSPHORYLATION PATTERNS AND WORSENS COGNITIVE IMPAIRMENT IN THE APP/PS1 MOUSE MODEL OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Miriam Corraliza-Gomez (Spain)

PS04-27PM-352 **EARLY ENRICHED ENVIRONMENT EXPOSURE IMPROVES NEURONAL PATHOLOGY AND BEHAVIORAL IMPAIRMENT AFTER A GERMINAL MATRIX-INTRAVENTRICULAR HEMORRHAGE** 14:00 - 14:00

Speaker: Isabel Atienza-Navarro (Spain)

PS04-27PM-353 **PROTECTIVE EFFECT OF MELATONIN ON DIABETIC-INDUCED ALTERATIONS IN THE EXPRESSION OF NMDA RECEPTOR SUBUNITS AND CAMKII MRNA IN THE PREFRONTAL CORTEX** 14:00 - 14:00

Speaker: Donn Chatrupamai (Thailand)

PS04-27PM-354 **EFFECT OF MELATONIN ON THE AUTOPHAGY IN THE PREFRONTAL CORTEX OF STREPTOZOTOCIN-INDUCED TYPE 1 DIABETIC RATS** 14:00 - 14:00

Speaker: phichamon lertphitchaphong (Thailand)

PS04-27PM-355 **MELATONIN RESCUES THE AGE-INDUCED ALTERATION IN RHYTHMIC CLOCK GENE AND CLOCK-CONTROLLED GENE EXPRESSION IN RAT HIPPOCAMPUS** 14:00 - 14:00

Speaker: Ratchadaporn Pramong (Thailand)

PS04-27PM-356 **A COMPARISON OF THE BRAIN PARAMETERS FROM ALZHEIMER'S AND NON-ALZHEIMER'S DEMENTIA IN THAIS: A PILOT STUDY** 14:00 - 14:00

Speaker: Pariwat Wisetwongsa (Thailand)

PS04-27PM-357 **NEW INSIGHTS INTO THE NEUROPROTECTIVE EFFECTS OF ANTI-DIABETIC DRUGS USING A MOUSE MODEL OF PRION DISEASE** 14:00 - 14:00

Speaker: Dmytro Shepilov (United Kingdom)

PS04-27PM-358 **SGLT2 AND DPP4 INHIBITORS IMPROVE ALZHEIMER'S DISEASE-LIKE PATHOLOGY AND COGNITIVE FUNCTION THROUGH DISTINCT MECHANISMS IN A T2D-AD MOUSE MODEL** 14:00 - 14:00

Speaker: A Young Sim (Korea, Republic of)

PS04-27PM-359 **CONTINUED TREATMENT OF D-PINITOL AMELIORATES COGNITIVE SPATIAL FLEXIBILITY OF ALZHEIMER'S DISEASE 5XFAD TRANSGENIC MICE** 14:00 - 14:00

Speaker: Dina Medina-Vera (Spain)

PS04-27PM-360 **NON-CANONICAL ANTI-INFLAMMATORY EFFECTS OF SITAGLIPTIN, A DRUG FOR TYPE 2 DIABETES, IN MICROGLIA** 14:00 - 14:00

Speaker: António Francisco Ambrósio (Portugal)

PS04-27PM-361 **ANTIOXIDANT EFFECT OF COMBINED ADMINISTRATION OF METFORMIN AND PROPIONATE IN A RAT MODEL OF TYPE 2 DIABETES MELLITUS** 14:00 - 14:00

Speaker: Yuliia Osadchu (Ukraine)

PS04-27PM-362 **EFFECT OF MELATONIN ON BLOOD-BRAIN BARRIER DISRUPTION IN THE HIPPOCAMPUS OF TYPE 1 DIABETIC RATS** 14:00 - 14:00

Speaker: Sunantha Yang-en (Thailand)

PS04-27PM-363 **METFORMIN ADMINISTRATION MITIGATES EARLY LIFE STRESS-INDUCED DISRUPTIONS IN HIPPOCAMPAL NEUROGENESIS** 14:00 - 14:00

Speaker: Ekin Baysal (Turkey)

PS04-27PM-365 **SUBCHRONIC ADMINISTRATION OF THE ANTIDIABETIC DRUG METFORMIN MITIGATES COGNITIVE IMPAIRMENTS IN A MOUSE MODEL OF TYPE 2 DIABETES MELLITUS** 14:00 - 14:00

Speaker: Edoardo Pisa (Italy)

PS04-27PM-366 **RETINAL AND BEHAVIORAL CHARACTERIZATION OF A STREPTOZOTOCIN-INDUCED DIABETES TYPE 2 MODEL IN THE SEARCH OF EARLY SYMPTOMS OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Georg Ladurner (Austria)

PS04-27PM-367 **IS DYSFUNCTIONAL NEURONAL DIFFERENTIATION THE LINK BETWEEN DIET AND NEURODEGENERATION?** 14:00 - 14:00

Speaker: Imogen Targett (United Kingdom)

PS04-27PM-368 **MEMORY-ENHANCING ACTIVITIES OF THE AQUEOUS EXTRACT OF SCLEROCARYA BIRREA, NAUCLEA LATIFOLIA AND PIPER LONGUM MIXTURE ON DIABETES-INDUCED COGNITIVE DYSFUNCTION** 14:00 - 14:00

Speaker: Jean Philippe Djientcheu Tientcheu (Cameroon)

PS04-27PM-369 **CAFFEIC ACID ATTENUATES NEUROINFLAMMATION AND COGNITIVE IMPAIRMENT IN STREPTOZOTOCIN-INDUCED DIABETIC RATS: PIVOTAL ROLE OF THE CHOLINERGIC AND PURINERGIC SIGNALING PATHWAYS** 14:00 - 14:00

Speaker: Maria Rosa Schetinger (Brazil)

PS04-27PM-370 **INVESTIGATING THE THERAPEUTIC POTENTIAL OF METFORMIN IN AMELIORATING TAU PATHOLOGY IN A CELLULAR MODEL OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Srinithya Paruchuri (United Kingdom)

PS04-27PM-371 **INSULIN ACTION ON THE PARAMETERS OF GLUTAMATERGIC PAIRED-PULSE PLASTICITY IN CULTURED HIPPOCAMPAL NEURONS UNDER HYPOINSULINEMIA** 14:00 - 14:00

Speaker: Mariia Shypshyna (Ukraine)

PS04-27PM-372 **A PRECLINICAL STUDY TO EXPLORE THE GLYCOTOXIC IMPACT OF METHYLGLYOXAL ON BRAIN AND GUT HEALTH: IMPLICATIONS FOR ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Giulia Abate (Italy)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Zebrafish Neural Mechanisms

- PS04-27PM-480 **IMPACT OF VISUAL EXPERIENCE MANIPULATION ON NEURONAL CIRCUIT ACTIVITY AND BEHAVIOR IN ZEBRAFISH LARVAE** 14:00 - 14:00
Speaker: Marica Albanesi (Italy)
- PS04-27PM-481 **INVESTIGATING THE IMPACT OF OPHN1 ON OLFACTORY BEHAVIOUR AND NEURONAL NETWORK DYNAMICS** 14:00 - 14:00
Speaker: Antonio di Soccio (Italy)
- PS04-27PM-482 **FEAR-DEPENDENT BRAIN STATE CHANGES IN PERCEPTION AND SENSORY REPRESENTATION IN LARVAE ZEBRAFISH** 14:00 - 14:00
Speaker: Conrad Lee (Australia)
- PS04-27PM-483 **VISUAL LOOM FEATURES DRIVE SHIFTS IN BEHAVIORAL CHOICES AND INTERNAL STATES IN LARVAL ZEBRAFISH** 14:00 - 14:00
Speaker: Leandro Scholz (Australia)
- PS04-27PM-484 **DISSECTION OF A NEURONAL INTEGRATOR CIRCUIT THROUGH CORRELATED LIGHT AND ELECTRON MICROSCOPY IN LARVAL ZEBRAFISH. PART 2: CORRELATING FUNCTIONAL ANALYSES AND ULTRASTRUCTURE ACROSS DIFFERENT ANIMALS** 14:00 - 14:00
Speaker: Gregor Schuhknecht (United States)
- PS04-27PM-485 **MOLECULAR, FUNCTIONAL, AND BEHAVIORAL ANALYSIS OF NEUROMODULATORY NETWORKS IN THE ZEBRAFISH TELENCEPHALON** 14:00 - 14:00
Speaker: Lukas Anneser (Switzerland)
- PS04-27PM-486 **A POPULATION CODE FOR SPATIAL REPRESENTATION IN THE LARVAL ZEBRAFISH TELENCEPHALON** 14:00 - 14:00
Speaker: Chuyu Yang (Germany)
- PS04-27PM-487 **BRAIN-WIDE CIRCUITRY UNDERLYING ALTERED AUDITORY HABITUATION IN ZEBRAFISH MODELS OF AUTISM** 14:00 - 14:00
Speaker: Maya Wilde (Australia)
- PS04-27PM-488 **THE ROLE OF GABAERGIC NEURONS IN EXPERIENCE DEPENDENT ALTERATIONS OF SENSORY REPRESENTATIONS IN ZEBRAFISH FOREBRAIN** 14:00 - 14:00
Speaker: Emiliano Jimenez Marquez (Norway)
- PS04-27PM-489 **PROBING NEURAL CIRCUIT MOTIFS IN ZEBRAFISH USING HOLOGRAPHIC OPTOGENETICS** 14:00 - 14:00
Speaker: Rahul Trivedi (Germany)
- PS04-27PM-490 **THALAMOCORTICAL-LIKE CIRCUITS TRANSFORM AND INTEGRATE SENSORY INFORMATION IN THE ZEBRAFISH FOREBRAIN** 14:00 - 14:00
Speaker: Anh-Tuan Trinh (Norway)
- PS04-27PM-491 **NEURAL REPRESENTATION OF FOOD PRESENCE - AND ABSENCE - IN LARVAL ZEBRAFISH** 14:00 - 14:00
Speaker: Lilian de Sardenberg Schmid (Germany)
- PS04-27PM-492 **STATE-DEPENDENT VISUAL PROCESSING OF DARK FLASH STIMULI IN THE LARVAL ZEBRAFISH** 14:00 - 14:00
Speaker: Charles Heller (Germany)
- PS04-27PM-493 **SEQUENTIAL NEUROGENESIS IN ZEBRAFISH HABENULA GIVES RISE TO DISTINCT FUNCTIONAL MICROCIRCUITS** 14:00 - 14:00
Speaker: Francisca Hinrichsen (Norway)
- PS04-27PM-494 **NEURAL SUBSTRATES FOR VISUAL ORIENTATION** 14:00 - 14:00

Speaker: Sabine Renninger (Portugal)

PS04-27PM-495 **INTERINDIVIDUAL VARIABILITY OF NEURONAL CONNECTIVITY AND FUNCTION IN ZEBRAFISH OLFACTORY BULB** 14:00 - 14:00

Speaker: Ruth Eneida Montano Crespo (Switzerland)

PS04-27PM-496 **IMMEDIATE EARLY GENE IMAGING IN THE LIZARD ANOLIS CAROLINENSIS** 14:00 - 14:00

Speaker: Niels Röhrdanz (Germany)

PS04-27PM-497 **COMPARATIVE ANALYSIS OF THE MOLECULAR, SPATIAL, AND FUNCTIONAL DOMAINS OF VERTEBRATE HABENULA** 14:00 - 14:00

Speaker: Yağnur Çiftci (Turkey)

PS04-27PM-498 **SINGLE-CELL VOLUMETRIC TRANSCRIPTOMIC ATLAS OF THE ADULT ZEBRAFISH FOREBRAIN REVEALS TELEOST HOMOLOGUES OF CORTICAL AND SUBCORTICAL STRUCTURES FROM TERRESTRIAL VERTEBRATES** 14:00 - 14:00

Speaker: Bjørn André Bredesen-Aa (Norway)

PS04-27PM-500 **DECODING TRANSCRIPTIONAL REGULATION IN RESPONSE TO SUNLIGHT IN VERTEBRATES: CIRCADIAN CLOCKS AND BEYOND** 14:00 - 14:00

Speaker: Alessandra Boiti (Germany)

PS04-27PM-501 **BEYOND INDIVIDUALS: COMPARING SPONTANEOUS WHOLE-BRAIN DYNAMICS ACROSS ZEBRAFISH LARVAE** 14:00 - 14:00

Speaker: Mattéo Dommange-Kott (France)

PS04-27PM-502 **EXPLORING GENE-ENVIRONMENT INTERACTION IN STRESS-RESPONSE BEHAVIOUR IN CANINE AND FISH MODELS** 14:00 - 14:00

Speaker: Eniko Kubinyi (Hungary)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Astrocyte Aging and Dysfunction

PS04-27PM-373 **ATYPICAL ASTROCYTES IN THE AGING BRAIN: AN UNDERREPORTED PHENOTYPE WHERE DOWNREGULATED MEMBRANE PROTEINS DISRUPT GLIAL REGULATED HOMEOSTATIC CAPACITIES** 14:00 - 14:00

Speaker: Mary Sommer (United States)

PS04-27PM-374 **ASTROCYTES IN THE HUMAN PRINCIPAL OLIVARY NUCLEUS-MORPHOLOGICAL CHANGES DURING AGING** 14:00 - 14:00

Speaker: Dragana Radošević (Serbia)

PS04-27PM-375 **MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF CORTICAL PROTOPLASMIC ASTROCYTES DURING EARLY EXPERIMENTAL DEMYELINATION** 14:00 - 14:00

Speaker: Ilias Roufagalas (Greece)

PS04-27PM-376 **ROLE OF THE NEDDYLATION PROCESS IN BRAIN AGEING** 14:00 - 14:00

Speaker: Veronica Moncho (Spain)

PS04-27PM-377 **PRESENCE AND CHARACTERIZATION OF NEO-EPITOPES IN MOUSE BRAIN** 14:00 - 14:00

Speaker: Clara Romera Niño (Spain)

PS04-27PM-378 **THE NOVEL ASTROCYTIC MARKER CETN2 EXPRESSION IN ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Maria Teresa Dell'Anno (Italy)

PS04-27PM-379 **THE PGB1 LOCUS CONTROLS POLYGLUCOSAN AGGREGATION IN AGED MOUSE HIPPOCAMPAL ASTROCYTES WITHOUT IMPACTING COGNITIVE FUNCTION** 14:00 - 14:00

Speaker: Dow Michael Glikman (Austria)

PS04-27PM-380 **ALTERED METABOLISM IN THE AGED CORPUS CALLOSUM
COULD BE RELATED TO THE LOSS OF MYELIN AND AXONS** 14:00 - 14:00

Speaker: Gonzalo Mayorga (Chile)

PS04-27PM-381 **PROTEIN AGGREGATES LINK TO MICROGLIAL AGING** 14:00 - 14:00

Speaker: Tingting Pan (China)

PS04-27PM-382 **AGING IMPAIRS MITOCHONDRIAL METABOLISM AND CAUSES
ATROPHY OF HUMAN CORTICAL ASTROCYTES** 14:00 - 14:00

Speaker: Alexander Popov (China)

PS04-27PM-383 **DISSECTING THE ROLE OF AUTOPHAGY TO ELUCIDATE THE
DIFFERENTIAL RESPONSE OF OLIGODENDROCYTES AND
ASTROCYTES TO HYPOXIC INJURY *IN VITRO*** 14:00 - 14:00

Speaker: Sagar Tyagi (India)

PS04-27PM-384 **MULTIPARAMETRIC ANALYSIS OF METABOLIC AND OXIDATIVE
STRESS ON LIPIDS AND PROTEINS IN MICROARRAY PRINTED
ASTROCYTIC AND NEURONAL LIPID RAFT MEMBRANES** 14:00 - 14:00

Speaker: Gabriel Barreda Gómez (Spain)

PS04-27PM-385 **THE ROLE OF ENDOGENOUS RETROVIRUSES IN BRAIN AGING
AND NEUROINFLAMMATION** 14:00 - 14:00

Speaker: Abdullah ÖZDEMİR (Turkey)

PS04-27PM-386 **EXPLORING THE POTENTIAL ROLE OF ATYPICAL ASTROCYTES IN
THE EARLY STAGES OF ALZHEIMER'S DISEASE IN THE APP^{NL-G-F}
MOUSE MODEL** 14:00 - 14:00

Speaker: Panorea Tirja (United States)

PS04-27PM-387 **EVALUATING THE EFFECT OF ASTROCYTE-DERIVED
CHOLESTEROL ON OLIGODENDROGLIAL MATURATION IN AN *IN
VITRO* MODEL OF HYPOXIC BRAIN INJURY** 14:00 - 14:00

Speaker: Vadanya Shrivastava (India)

PS04-27PM-388 **DISSECTING THE IMPACT OF PRENATAL INFLAMMATION ON
ASTROCYTES AND PENTRAXIN 3** 14:00 - 14:00

Speaker: Giuliana Fossati (Italy)

PS04-27PM-389 **ALTERED CELL MEMBRANE GANGLIOSIDE COMPOSITION
AFFECTS ENZYME ACTIVITY, EXPRESSION AND SUBMEMBRANE
LOCALIZATION OF NA⁺, K⁺-ATPASE IN MOUSE BRAIN** 14:00 - 14:00

Speaker: Kristina Mlinac Jerković (Croatia)

PS04-27PM-390 **EXAMINING THE EFFECTS OF GALECTIN-3 ON NEURONS AND
GLIA** 14:00 - 14:00

Speaker: Jun Ong (United Kingdom)

PS04-27PM-391 **EXPLORING THE IMPACT OF PARTIAL REPROGRAMMING ON
ASTROCYTE BIOLOGY AND ITS IMPLICATIONS FOR BRAIN
HOMEOSTASIS AND AGING** 14:00 - 14:00

Speaker: Pablo Rodríguez Cumbreiras (Spain)

PS04-27PM-392 **SORCS2 PROTECTS ASTROCYTES FROM AMYLOID BETA (AB) -
INDUCED STRESS BY MODULATING P75 NTR SIGNALING** 14:00 - 14:00

Speaker: Tomasz Obrębski (Poland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Stem Cell Therapies

PS04-27PM-285 **DEVELOPMENT OF IPSC-DERIVED NEURAL PROGENITOR CELLS
WITH ENHANCED MIGRATION TO STROKE TISSUE AND** 14:00 - 14:00

INDUCIBLE ABLATION SYSTEMS*Speaker:* Beatriz Achón Buil (Switzerland)

PS04-27PM-286 **HUMAN IPSC-DERIVED CELL GRAFTS PROMOTE FUNCTIONAL RECOVERY BY MOLECULAR INTERACTION WITH STROKE-INJURED BRAIN** 14:00 - 14:00

Speaker: Rebecca Weber (Switzerland)

PS04-27PM-287 **IMPROVING STEM CELL THERAPY FOR STROKE USING CRYOGEL MICROCARRIERS** 14:00 - 14:00

Speaker: Nora Hanna Rentsch (Switzerland)

PS04-27PM-288 **EXPLORING THE POTENTIAL OF INDUCED NEURAL STEM CELLS (INSCS) AS THERAPY FOR SPINAL CORD INJURY IN A RAT MODEL** 14:00 - 14:00

Speaker: Ibrahim Khan (Austria)

PS04-27PM-289 **MELATONIN-PRECONDITIONED HUMAN OLFACTORY MUCOSAL ECTOMESENCHYMAL STEM CELLS TO TREAT SPINAL CORD INJURY IN RAT** 14:00 - 14:00

Speaker: Hatef Ghasemi Hamidabadi (Iran)

PS04-27PM-290 **OLFACTORY ENSHEATHING CELLS AND FIBROBLASTS: DYNAMIC PARTNERS IN NERVOUS SYSTEM REPAIR AND REGENERATION** 14:00 - 14:00

Speaker: Francesca Oieni (Australia)

PS04-27PM-291 **CD200-BASED CELL SORTING GENERATES HOMOGENEOUS SUBPOPULATIONS OF TRANSPLANTABLE STRIATAL NEUROBLASTS** 14:00 - 14:00

Speaker: Cinta Gomis (Spain)

PS04-27PM-292 **ENGINEERING HUMAN INDUCED PLURIPOTENT STEM CELL FOR SPINAL CORD REPAIR** 14:00 - 14:00

Speaker: Alessia Niceforo (United States)

PS04-27PM-293 **SIMPLE LIMBAL EPITHELIAL TRANSPLANTATION (SLET): THERAPEUTIC EFFICACY IN A LIMBAL STEM CELL DEFICIENCY (LSCD) MOUSE MODEL** 14:00 - 14:00

Speaker: Nicola Piazza (Italy)

PS04-27PM-294 **TRANSPLANTED RAT EMBRYONIC NEURAL PROGENITOR CELLS FORM INTEGRATED BRAIN-LIKE TISSUE IN YOUNG AND AGED HOST ENVIRONMENT** 14:00 - 14:00

Speaker: Gretchen Greene (United States)

PS04-27PM-295 **UNVEILING FUSION BETWEEN BONE MARROW-DERIVED CELLS AND PURKINJE CELLS: PATCH-SEQ ANALYSIS IN A MOUSE MODEL OF MULTIPLE SCLEROSIS** 14:00 - 14:00

Speaker: Pablo G. Téllez de Meneses (Spain)

PS04-27PM-296 **HIPPOCAMPAL CEREBRAL ORGANIDS AS NOVEL TOOL FOR REGENERATIVE MEDICINE** 14:00 - 14:00

Speaker: Marzia Di chio (Italy)

PS04-27PM-297 **IN VITRO ASSESSMENT OF THE NEURAL REGENERATIVE PROPERTIES OF REGENERATIVE MACROPHAGES (REMAST®)** 14:00 - 14:00

Speaker: Giulia Pruonto (Italy)

PS04-27PM-298 **EXAMINING THE RESPONSE OF ACTIVATED MICROGLIA TO MSC-DERIVED EV OBTAINED FROM VARIOUS ISOLATION PROTOCOLS** 14:00 - 14:00

Speaker: Fabian Blessing (Austria)

PS04-27PM-299 **SPINAL CORD INJURY MODULATES THE THERAPEUTIC CAPACITY OF TRANSPLANTED CELLS IN A MODEL MIMICKING AUTOTRANSPLANTATION** 14:00 - 14:00

Speaker: Quentin Delarue (France)

PS04-27PM-300	ATMOSPHERIC PLASMA TREATED POLYCAPROLACTONE-ANILINE ELECTROSPUN CONDUCTING MEMBRANES FOR PERIPHERAL NERVE REPAIR	14:00 - 14:00
<i>Speaker:</i> Marwa El Soury (Italy)		
PS04-27PM-301	REMAST®: A NOVEL IMMUNE CELL THERAPY FOR NEURAL TISSUE REGENERATION	14:00 - 14:00
<i>Speaker:</i> Sissi Dolci (Italy)		
PS04-27PM-302	CLINICAL GRADE PRODUCTION OF LARGE-SCALE NEURAL PROGENITOR CELLS (NPC) FOR HUNTINGTON'S DISEASE TREATMENT	14:00 - 14:00
<i>Speaker:</i> Josep M. Canals (Spain)		
PS04-27PM-303	NEUROECTODERMAL STEM CELLS CONTRIBUTE TO THE FUNCTIONAL AND MORPHOLOGICAL IMPROVEMENT OF CHRONIC SPINAL CORD INJURIES VIA VARIOUS MECHANISMS	14:00 - 14:00
<i>Speaker:</i> Máté Ignác (Hungary)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Neural Mechanisms of Memory Function		
PS04-27PM-212	HUMAN SINGLE NEURONS IN THE MEDIAL TEMPORAL LOBE ENCODE INFERRED RELATIONAL STRUCTURES	14:00 - 14:00
<i>Speaker:</i> Simon Ruch (Switzerland)		
PS04-27PM-213	TEST-RETEST RELIABILITY ANALYSIS OF EEG POWER MEASURES AND THEIR ASSOCIATION WITH L2 VOCABULARY LEARNING IN CHILDREN AND ADULTS	14:00 - 14:00
<i>Speaker:</i> Anastasios Ziogas (Switzerland)		
PS04-27PM-214	CAN PHYSICAL ACTIVITY BOOST VOCABULARY LEARNING?	14:00 - 14:00
<i>Speaker:</i> Vincent Weber (Switzerland)		
PS04-27PM-215	RAPID FORMATION OF NEW VISUAL CONCEPTS IN HUMAN EARLY VISUAL CORTEX ASSESSED WITH MULTIMODAL MRI	14:00 - 14:00
<i>Speaker:</i> Svenja Klinkowski (Germany)		
PS04-27PM-216	IMPROVING PERCEPTUAL LEARNING EFFICIENCY WITH BRIEF MEMORY REACTIVATIONS ENGAGES DISTINCT NEURAL MECHANISMS	14:00 - 14:00
<i>Speaker:</i> Taly Kondat (Israel)		
PS04-27PM-217	THE FRONTAL AREAS INVOLVED IN NONSPATIAL VISUAL SELECTIVE ATTENTION AND RETRIEVAL IN THE HUMAN BRAIN	14:00 - 14:00
<i>Speaker:</i> Kristina Drudik (Canada)		
PS04-27PM-218	THE LANGUAGE OF SPACE: WHERE IS <i>THIS</i> AND WHERE IS <i>THAT</i>?	14:00 - 14:00
<i>Speaker:</i> Umberto Quartetti (Italy)		
PS04-27PM-219	INVESTIGATING STRATEGIES TO ACCOUNT GENDER DIFFERENCES IN MENTAL ROTATION TASKS - AN FMRI STUDY	14:00 - 14:00
<i>Speaker:</i> Nadia Bersier (Italy)		
PS04-27PM-220	DIFFERENTIAL EFFECTS OF WORKING MEMORY LOAD DURING MOTOR DECISION-MAKING ON PLANNING AND EXECUTION OF GOAL-DIRECTED POINTING MOVEMENTS	14:00 - 14:00
<i>Speaker:</i> Melanie Krüger (Germany)		
PS04-27PM-221	DYNAMICS OF PREFRONTAL CORTEX AND DORSOLATERAL STRIATUM IN THE AUTOMATION OF REFERENCE MEMORY	14:00 - 14:00
<i>Speaker:</i> Maxime Villet (France)		

PS04-27PM-222	LEARNING-DEPENDENT FUNCTIONAL INCREASE IN CONNECTIVITY AMONG THE POSTERIOR STRIATUM, LATERAL GENICULATE NUCLEUS AND VISUAL CORTEX IN THE VISUAL DISCRIMINATION TASK	14:00 - 14:00
<i>Speaker:</i> Sai Tanimoto (Japan)		
PS04-27PM-223	REACTION TIME VARIABILITY IN A DELAYED MEMORY SACCADE TASK REPLICATED BY A RECURRENT NEURAL NETWORK MODEL	14:00 - 14:00
<i>Speaker:</i> Roger Herikstad (Singapore)		
PS04-27PM-224	OBSERVER-AGENT KINEMATIC SIMILARITY MODULATES NEURAL ACTIVITY IN REGIONS OF THE ACTION OBSERVATION NETWORK	14:00 - 14:00
<i>Speaker:</i> Bianca Schuster (Austria)		
PS04-27PM-225	FRONTO-TEMPORAL INTERACTIONS IN ASSOCIATIVE RECALL EXPLORED BY MULTIELECTRODE RECORDINGS	14:00 - 14:00
<i>Speaker:</i> Bálint Varga (Hungary)		
PS04-27PM-226	EYES ON THE FUTURE: UNVEILING MENTAL SIMULATIONS AS A DELIBERATIVE DECISION-MAKING MECHANISM	14:00 - 14:00
<i>Speaker:</i> Karla Padilla (Chile)		
PS04-27PM-227	SYMMETRIC SEMANTIC INFORMATION IS REPRESENTED IN ASYMMETRIC AND HETEROGENEOUS PATTERNS ACROSS THE HUMAN BRAIN	14:00 - 14:00
<i>Speaker:</i> Jiaxin Wang (Japan)		
PS04-27PM-228	DIFFERENCES IN NEURAL ACTIVATION PATTERNS WITHIN THE ACTION OBSERVATION NETWORK DURING IMITATION OF POINT-LIGHT DISPLAYS AND FULLY VISIBLE MANIPULATIVE ACTIONS	14:00 - 14:00
<i>Speaker:</i> SETTIMIO ZICCARELLI (Italy)		
PS04-27PM-229	EGOCENTRIC NAVIGATION NETWORK PLASTICITY: TRAINING EXTENDS FUNCTIONAL CONNECTIVITY OF V6 TO FRONTAL AREAS OF CONGENITALLY BLIND PEOPLE	14:00 - 14:00
<i>Speaker:</i> Daniel-Robert Chebat (Israel)		
PS04-27PM-230	COGNITIVE MAP FORMATION AND VIRTUAL NAVIGATION IN BLIND SUBJECTS: AN FMRI STUDY	14:00 - 14:00
<i>Speaker:</i> Maxime Bleau (Canada)		
PS04-27PM-231	DISTINCT NEURAL PATTERNS DURING CATEGORIZATION LEARNING REFLECT A SWITCH BETWEEN STRATEGIES	14:00 - 14:00
<i>Speaker:</i> Rebekka Heinen (Germany)		
PS04-27PM-232	DYNAMIC FADING MEMORY AND EXPECTANCY EFFECTS IN THE MONKEY PRIMARY VISUAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Yiling Yang (Germany)		
PS04-27PM-233	POSTNATAL STRUCTURAL DEVELOPMENT OF THE MONKEY PERIRHINAL AND PARAHIPPOCAMPAL CORTICES	14:00 - 14:00
<i>Speaker:</i> Justine Villard (Switzerland)		
PS04-27PM-234	A NEW OPEN-SOURCE NON-VERBAL SEMANTIC MEMORY TEST REVEALS INTRACRANIAL TOPOGRAPHY OF CATEGORY REPRESENTATION	14:00 - 14:00
<i>Speaker:</i> Jon Kleen (United States)		
PS04-27PM-236	COMMON BRAIN REGIONS IMPLICATED IN SUPRAMODAL DECISION FORMATION ACROSS VISUAL, AUDITORY, AND MOTOR-INDEPENDENT TASKS	14:00 - 14:00
<i>Speaker:</i> Abdoreza Asadpour (United Kingdom)		
PS04-27PM-237	THE NEURAL CONSTRUCTION OF THE MOVIES OF OUR MINDS	14:00 - 14:00
<i>Speaker:</i> Sorit Achmed Ali (Germany)		

PS04-27PM-238	NEURAL CORRELATES OF AUTOBIOGRAPHICAL MEMORY IN CONGENITALLY BLIND PEOPLE	14:00 - 14:00
<i>Speaker:</i> Sven Lange (Germany)		
PS04-27PM-239	FRAGMENTATION & MULTITHREADING OF CONSCIOUSNESS IN THE DEFAULT-MODE NETWORK	14:00 - 14:00
<i>Speaker:</i> Fahd Yazin (United Kingdom)		
PS04-27PM-240	PREDICTIVE LEARNING SHAPES THE REPRESENTATIONAL GEOMETRY OF THE HUMAN BRAIN	14:00 - 14:00
<i>Speaker:</i> Antonino Greco (Germany)		
PS04-27PM-241	CORTICAL LAYER-SPECIFIC REPETITION SUPPRESSION TO FACES IN THE FUSIFORM FACE AREA	14:00 - 14:00
<i>Speaker:</i> Dace Apsvalka (United Kingdom)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Pain Mechanisms		
PS04-27PM-421	TEMPERATURE-SENSITIVE TRANSIENT RECEPTOR POTENTIAL CHANNELS EXPRESSED IN PERIPHERAL SENSORY NEURONS ARE FUNCTIONALLY MODULATED BY THE TUMOR SUPPRESSOR CANDIDATE 5	14:00 - 14:00
<i>Speaker:</i> George Oprita (Romania)		
PS04-27PM-422	THE TRANSIENT RECEPTOR POTENTIAL MELASTATIN SUBTYPE 8 (TRPM8) CHANNEL IS INHIBITED BY THE PROSTACYCLIN RECEPTOR IN A GQ/11-DEPENDENT MANNER	14:00 - 14:00
<i>Speaker:</i> Alexandru Babes (Romania)		
PS04-27PM-423	TRANSIENT RECEPTOR POTENTIAL ANKYRIN TYPE 1 (TRPA1) CHANNEL, A NEW TARGET FOR THE ANTIMALARIAL ARTEMISININ	14:00 - 14:00
<i>Speaker:</i> Ramona Madalina Babes (Romania)		
PS04-27PM-424	CULTURING POSTNATAL MOUSE NEURONS OF THE DEEP CEREBELLAR NUCLEI TO INVESTIGATE THE FUNCTIONAL EXPRESSION OF TRP ION CHANNELS IN THE CEREBELLUM	14:00 - 14:00
<i>Speaker:</i> Violeta Maria Caragea (Romania)		
PS04-27PM-425	ANTI-NOCICEPTIVE EFFECTS OF NON-ANTIBIOTIC DERIVATIVES OF DEMECLOXYCLINE AND DOXYCYCLINE AGAINST FORMALIN-INDUCED PAIN STIMULATION	14:00 - 14:00
<i>Speaker:</i> Elaine Del-Bel (Brazil)		
PS04-27PM-426	COMPARATIVE TRANSCRIPTOME PROFILING OF MULTIPLE HUMAN INDUCED PLURIPOTENT STEM CELL DERIVED SENSORY NEURON POPULATIONS AND FUNCTIONAL VALIDATION OF PAIN TARGETS ON AUTOMATED PATCH CLAMP SYSTEMS	14:00 - 14:00
<i>Speaker:</i> Alison Obergrussberger (Germany)		
PS04-27PM-427	DELETION OF TRPV1 ATTENUATES P2X3-INCREASED CALCIUM IN DORSAL ROOT GANGLION NEURONS INNERVATING TO THE ISCHEMIC LIMB MUSCLE	14:00 - 14:00
<i>Speaker:</i> Jianhua Li (United States)		
PS04-27PM-428	CHARACTERIZATION OF MULTI-TARGET LIGANDS COMPRISING OPIOID/NON-OPIOID PHARMACOPHORES FOR THE TREATMENT OF PAIN	14:00 - 14:00
<i>Speaker:</i> Emile Breault (Canada)		
PS04-27PM-429	DEVELOPMENT OF NTS2-SELECTIVE NON-OPIOID ANALGESICS USING ARTIFICIAL INTELLIGENCE	14:00 - 14:00
<i>Speaker:</i> Frédérique Lussier (Canada)		

PS04-27PM-430	SEX DIFFERENCES IN NOCICEPTOR REGENERATION AFTER BURN INJURY	14:00 - 14:00
<i>Speaker:</i> Chiara Nappi (Spain)		
PS04-27PM-431	PHENOTYPIC CHARACTERIZATION OF NOCICEPTIN/ORPHANIN FQ RECEPTOR KNOCKOUT MICE (NOP(-/-)) IN DIFFERENT IN VIVO MODELS OF MIGRAINE AND EVALUATION OF THE NOP RECEPTOR AS A TREATMENT TARGET	14:00 - 14:00
<i>Speaker:</i> Chiara Sturaro (Italy)		
PS04-27PM-432	CORNEAL TRPA1 NOCICEPTOR: A REGULATOR OF NEUROGENIC INFLAMMATION IN A MOUSE MODEL OF DRY EYE	14:00 - 14:00
<i>Speaker:</i> Tiffany Migeon (France)		
PS04-27PM-433	SELECTIVE EXPRESSION OF OPSINS IN NOCICEPTIVE NEURONS IN THE SCIATIC NERVE OF MICE	14:00 - 14:00
<i>Speaker:</i> Mary Ardren (Australia)		
PS04-27PM-434	THE IN VIVO STUDY OF INFLAMMASOME NOD-LIKE RECEPTOR PROTEIN 3 (NLRP3) AS A STARTING POINT FOR THE DEVELOPMENT OF NEW INNOVATIVE MIGRAINE DRUGS.	14:00 - 14:00
<i>Speaker:</i> Michela Argentieri (Italy)		
PS04-27PM-435	ROLE OF TRANSIENT RECEPTOR POTENTIAL ANKYRIN 1 IN LIGHT AVERSION OF MICE	14:00 - 14:00
<i>Speaker:</i> Minyan Wang (China)		
PS04-27PM-436	TRPV1 ENHANCES ENCODING OF SENSORY INFORMATION IN MOUSE PRIMARY SOMATOSENSORY CORTEX	14:00 - 14:00
<i>Speaker:</i> Leena Amrutha (Australia)		
PS04-27PM-437	DYNAMIC TRPV2 LOCALIZATION BY FOCAL MECHANICAL STIMULATION ENHANCES GROWTH CONE MOTILITY	14:00 - 14:00
<i>Speaker:</i> Koji Shibasaki (Japan)		
PS04-27PM-438	STATIN EFFECTS ON RECOMBINANT AND NATIVELY EXPRESSED THERMO-SENSITIVE TRANSIENT RECEPTOR POTENTIAL ION CHANNELS	14:00 - 14:00
<i>Speaker:</i> Dan Tudor Domocos (Romania)		
PS04-27PM-439	PACAP AT THE CROSSROADS: INTERPLAY AND SYNERGY WITH OTHER NEUROPEPTIDES IN HEADACHE DISORDERS	14:00 - 14:00
<i>Speaker:</i> Maxim Tollenaere (Denmark)		
PS04-27PM-440	ROLE OF ELKIN1 IN PAIN-SENSING NERVES	14:00 - 14:00
<i>Speaker:</i> Jasmin Klich (Germany)		
PS04-27PM-441	DUAL EFFECT OF ANANDAMIDE AND ITS ENDOGENOUS PRECURSOR 20:4-NAPE ON DRG NEURONAL EXCITABILITY AND NOCICEPTION	14:00 - 14:00
<i>Speaker:</i> Anirban Bhattacharyya (Czech Republic)		
PS04-27PM-442	TRPM8⁺ NEURONS IN THE MOUSE LATERAL SEPTUM SUPPORT MOTIVATED RESPONSES TO THERMAL DISCOMFORT	14:00 - 14:00
<i>Speaker:</i> Lucía Illescas (Spain)		
PS04-27PM-443	STRUCTURE AND FUNCTION OF SENSORY NERVE ENDINGS IN THE CORNEA OF ADULT MICE	14:00 - 14:00
<i>Speaker:</i> Fernando Aleixandre-Carrera (Spain)		
PS04-27PM-444	PIEZO1 CHANNEL MEDIATES INFLAMMATORY PAIN IN MICE	14:00 - 14:00
<i>Speaker:</i> Pa-Reum Lee (Korea, Republic of)		
PS04-27PM-445	THE EMERGING ROLE OF D4R IN PREVENTING MORPHINE TOLERANCE THROUGH THE REGULATION OF TRANSCRIPTION FACTOR EXPRESSION IN THE DORSAL HORN	14:00 - 14:00

Speaker: Marina Ponce (Spain)

PS04-27PM-446 **AI EXPLORATION OF FIBROMYALGIA: DECODING MOLECULAR COMPLEXITY FOR TARGETED THERAPIES** 14:00 - 14:00

Speaker: Sveva Bonomi (Italy)

PS04-27PM-447 **THE TYPE OF NEURON WHICH EXPRESS NEUROPATHIC PAIN RELATED-PROTEIN BEGAIN IN THE SPINAL DORSAL HORN** 14:00 - 14:00

Speaker: Tayo Katano (Japan)

PS04-27PM-448 **EFFECTS OF NEWLY SYNTHESIZED ANGIOTENSIN 1-7 ANALOGS ON ACUTE AND INFLAMMATORY PAIN, EXPLORATORY AND ANXIETY-LIKE BEHAVIOR IN MICE** 14:00 - 14:00

Speaker: Dimo Angelov (Bulgaria)

PS04-27PM-449 **IMPLICATIONS OF NOP RECEPTOR SYSTEM IN SOCIAL IMPAIRMENTS ASSOCIATED WITH MIGRAINE PAIN** 14:00 - 14:00

Speaker: Akanksha Mudgal (Poland)

PS04-27PM-450 **HUMAN COLD PAIN** 14:00 - 14:00

Speaker: Michael Fischer (Austria)

PS04-27PM-451 **IMPAIRED MODULATION OF TRIGEMINAL CAUDAL NUCLEUS SOMATOSENSORY RESPONSES BY THE LOCUS COERULEUS IN A MOUSE MODEL OF DIABETES: PARTICIPATION OF GABAERGIC AND GLYCINERGIC NEURONS** 14:00 - 14:00

Speaker: Alberto Mesa-Lombardo (Spain)

PS04-27PM-452 **FUNCTIONAL INVESTIGATION OF HUMAN TRPA1 CHANNEL POLYMORPHISMS** 14:00 - 14:00

Speaker: Cosmin Ciotu (Austria)

PS04-27PM-453 **ROLE OF GRIK1 IN ALTERED PAIN SENSITIVITY IN A MOUSE MODEL OF DOWN SYNDROME** 14:00 - 14:00

Speaker: Sofia Degiorgi (Spain)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Neuromodulation Techniques and Effects

PS04-27PM-570 **RESPONSE OF NEOCORTICAL DYSPLASIA TO THALAMIC HIGH FREQUENCY STIMULATION** 14:00 - 14:00

Speaker: Linda Iris Joseph Tomy (France)

PS04-27PM-571 **CONCURRENT TRANSCRANIAL ELECTRICAL STIMULATION AND MAGNETOENCEPHALOGRAPHY TO EXPLORE INSTANT NEUROPHYSIOLOGICAL STIMULATION EFFECTS** 14:00 - 14:00

Speaker: Annel Koomen (Netherlands)

PS04-27PM-572 **CONTINUOUS THETA-BURST STIMULATION IMPROVES LEARNING/MEMORY DEFICITS AND BEHAVIORAL DISTURBANCES IN THE TRIMETHYLTIN-INDUCED ALZHEIMER'S-LIKE DISEASE MODEL - RELEVANCE FOR THE TREATMENT OF NEURODEGENERATIVE DISORDERS?** 14:00 - 14:00

Speaker: Marina Zaric Kontic (Serbia)

PS04-27PM-573 **EVALUATION OF THE NEUROMODULATORY EFFECTS OF TRANSCRANIAL STATIC MAGNETIC FIELD STIMULATION (TSMS) USING TMS-EVOKED POTENTIALS (TEPS)** 14:00 - 14:00

Speaker: Sumiya Shibata (Japan)

PS04-27PM-574 **TRIPLE TRANSCRANIAL STATIC MAGNETIC FIELD STIMULATION SYSTEM CAN SUPPRESS THE NEURAL ACTIVITY IN THE LUMBAR SPINAL CORD** 14:00 - 14:00

Speaker: haruki hoshi (Japan)

PS04-27PM-575	COMPARING STIMULATION AND LESIONING IN A NETWORK MODEL OF ESSENTIAL TREMOR: MECHANISMS AND TREATMENT	14:00 - 14:00
<i>Speaker:</i> Nada Yousif (United Kingdom)		
PS04-27PM-576	UNDERSTANDING NEUROMODULATION PATHWAYS IN TDCS: BRAINSTEM RECORDING FOLLOWING DC-TNS IN ANESTHETIZED RATS	14:00 - 14:00
<i>Speaker:</i> Alireza Majdi (Belgium)		
PS04-27PM-577	COMBINING TRANSCRANIAL ULTRASONIC STIMULATION OF THE HUMAN BASAL FOREBRAIN WITH SIMULTANEOUS ELECTROENCEPHALOGRAPHY	14:00 - 14:00
<i>Speaker:</i> Maximilian Lueckel (Germany)		
PS04-27PM-578	ASSESSING THE ROLE OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) IN RESCUING STRESS INDUCED WORKING MEMORY (WM) DEFICITS - AN EEG BASED STUDY	14:00 - 14:00
<i>Speaker:</i> Sumit Roy (Germany)		
PS04-27PM-579	PHASE-LOCKED TRANSCRANIAL INTERSECTIONAL SHORT PULSE (ISP) STIMULATION IN TERMINATING EPILEPTIC SEIZURES	14:00 - 14:00
<i>Speaker:</i> Nóra Kata Forgó (Hungary)		
PS04-27PM-580	CORTICAL EFFECTS OF MOTOR AND TACTILE IMAGERY ASSESSED WITH TMS-EEG	14:00 - 14:00
<i>Speaker:</i> Aigul Nasibullina (Russian Federation)		
PS04-27PM-581	THE EFFECTS OF 40HZ ULTRASOUND STIMULATION ON NEURONAL FUNCTION	14:00 - 14:00
<i>Speaker:</i> Deniz Tonyali (United Kingdom)		
PS04-27PM-582	THE INFLUENCE OF PULSE SHAPE AND CURRENT DIRECTION OF TMS ON TEST-RETEST RELIABILITY, AND VARIABILITY OF SINGLE PULSE TMS PROTOCOLS	14:00 - 14:00
<i>Speaker:</i> Desmond Agboada (Germany)		
PS04-27PM-583	GRADUAL CHANGES IN TMS-INDUCED MOTOR EXCITABILITY ARE ASSOCIATED WITH EXCITATION-INHIBITION BALANCE DYNAMICS	14:00 - 14:00
<i>Speaker:</i> Lisa Haxel (Germany)		
PS04-27PM-584	EXPLORING VARIATIONS IN CONTROLLABLE DIRECTIONS AND MAGNITUDES ACROSS MOTOR STATES FROM TMS-EEG RESPONSES	14:00 - 14:00
<i>Speaker:</i> Yumi Shikauchi (Japan)		
PS04-27PM-585	TRANSCUTANEOUS VAGUS NERVE STIMULATION (TVNS) AS A THERAPEUTIC APPROACH TOWARDS THE FUNCTIONAL DETERIORATION OF THE LOCUS COERULEUS - NORADRENERGIC SYSTEM	14:00 - 14:00
<i>Speaker:</i> Kaushik More (Germany)		
PS04-27PM-586	STATIC MAGNETIC FIELDS TO TREAT REFRACTORY EPILEPSY IN HUMANS	14:00 - 14:00
<i>Speaker:</i> Casto Rivadulla Fernandez (Spain)		
PS04-27PM-587	REGIONAL-SPECIFIC EFFECTS OF SUBCHRONIC INTERMITTENT THETA BURST STIMULATION (ITBS) ON EXPRESSION LEVELS OF C-FOS	14:00 - 14:00
<i>Speaker:</i> Danica Popović (Serbia)		
PS04-27PM-588	REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION INDUCED CHANGES OF N6-METHYLADENOSINE MODIFIED MRNAS	14:00 - 14:00
<i>Speaker:</i> Elli-Anna Balta (Germany)		

PS04-27PM-589	IMPACT OF TWO-WEEK REPETITIVE MAGNETIC STIMULATION ON MICROGLIA ACTIVITY AND NEURONAL PLASTICITY	14:00 - 14:00
<i>Speaker:</i> Paolo d'Errico (Germany)		
PS04-27PM-590	FEASIBILITY AND COMPATIBILITY OF COMBINING VIRTUAL REALITY AND TRANSCRANIAL MAGNETIC STIMULATION	14:00 - 14:00
<i>Speaker:</i> Franka Arden (Germany)		
PS04-27PM-591	TRANSCRANIAL PULSE STIMULATION FOR THE TREATMENT OF PATIENTS WITH ALZHEIMER'S DEMENTIA	14:00 - 14:00
<i>Speaker:</i> Dilana Hazer-Rau (Switzerland)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Hippocampal Dysfunction in Alzheimer's		
PS04-27PM-503	THE ROLE OF AFFERENT HIPPOCAMPAL TO PREFRONTAL CORTEX PROJECTIONS IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Emine Ciftci (Germany)		
PS04-27PM-504	DECIPHERING THE ROLE OF LOCUS COERULEUS FOR HIPPOCAMPUS-DEPENDENT LEARNING AND ITS IMPAIRMENT IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Hanna Khomyak (Germany)		
PS04-27PM-505	OPTOGENETIC MODULATION OF SPATIAL HIPPOCAMPAL REPRESENTATIONS IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Manuel Mittag (Germany)		
PS04-27PM-506	3-PHOTON IN VIVO IMAGING REVEALS BREAKDOWN OF MICROGLIA SURVEILLANCE UPON GLIOMA INVASION IN THE CORPUS CALLOSUM	14:00 - 14:00
<i>Speaker:</i> Felix Nebeling (Germany)		
PS04-27PM-507	INVESTIGATING A NEW TAU AGGREGATION INHIBITOR "RE01" IN PS19 TRANSGENIC MICE	14:00 - 14:00
<i>Speaker:</i> Dilek Mercan (Germany)		
PS04-27PM-508	MULTIMODAL SENSORY CUE BASED NOVELTY DETECTION IN CA1	14:00 - 14:00
<i>Speaker:</i> Shuvrangshu Guha (Germany)		
PS04-27PM-509	THREE-PHOTON IN VIVO IMAGING OF NEURONS AND GLIA IN THE MEDIAL PREFRONTAL CORTEX AT UNPRECEDENTED DEPTH WITH SUB-CELLULAR RESOLUTION	14:00 - 14:00
<i>Speaker:</i> Martin Fuhrmann (DZNE, group Neuroimmunology and imaging, Germany)		
PS04-27PM-510	2P-STED IMAGING OF THE MICROGLIAL TRIPARTITE SYNAPSE IN VIVO	14:00 - 14:00
<i>Speaker:</i> Nala Gockel (Germany)		
PS04-27PM-511	MEMORY UPDATE AND HIPPOCAMPAL NETWORK DEFICITS IN EARLY ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Dejana Mitrovic (Germany)		
PS04-27PM-512	EVALUATION OF CA3 PLACE CELL REMAPPING IN THE APP/PS1 MODEL MOUSE OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Eva Maria Robles Hernandez (Germany)		
PS04-27PM-513	SUBPOPULATIONS OF HIPPOCAMPAL INHIBITORY INTERNEURONS CONTRIBUTE DIFFERENTLY TO ENGRAM FORMATION IN APP/PS1 MICE	14:00 - 14:00
<i>Speaker:</i> William Fernandes Paes de Barros (Germany)		

PS04-27PM-514	INVESTIGATING THE SYNAPTIC CORRELATES OF ALZHEIMER'S DISEASE IN THE RETROSPLLENIAL CORTEX OF 5XFAD MICE	14:00 - 14:00
<i>Speaker:</i> Maria Protopapa (Greece)		
PS04-27PM-515	IMPAIRMENTS IN HIPPOCAMPAL NEURONAL CIRCUIT AND SPATIAL REPRESENTATION IN 5XFAD MICE PERFORMING A CONTINUOUS SPATIAL ALTERNATION TASK	14:00 - 14:00
<i>Speaker:</i> Yimei Li (United Kingdom)		
PS04-27PM-516	REDUCED DYNAMIC RANGE AND IMPAIRED NEURAL CODING IN 5XFAD MICE	14:00 - 14:00
<i>Speaker:</i> Mary Ann Go (United Kingdom)		
PS04-27PM-517	INVESTIGATING NEURON-ASTROCYTE INTERACTION IN SPATIAL MEMORY AND ITS LOSS IN AD	14:00 - 14:00
<i>Speaker:</i> Michele Speggiorin (Italy)		
PS04-27PM-518	A NEW MODEL MICE WITH CHOLINERGIC DYSFUNCTION AND AMYLOID PATHOGENESIS FOR ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Noriyuki Matsukawa (Japan)		
PS04-27PM-519	MOLECULAR MODULATION OF PCP SIGNALLING MODIFIES PATTERN SEPARATION AND COMPLETION PROCESSES	14:00 - 14:00
<i>Speaker:</i> Eloise Daniel (France)		
PS04-27PM-520	SIGNATURES AND CIRCUITS OF NOVELTY-LIKE CELLS IN HIPPOCAMPAL CA1 IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Greta Leonore Balmer (Germany)		
PS04-27PM-521	ASSESSMENT OF GRADUAL PERCEPTUAL LEARNING BY BEHAVIOUR AND NEURON-GLIA IMAGING IN AD MODEL MICE	14:00 - 14:00
<i>Speaker:</i> Antonis Asiminas (Denmark)		
PS04-27PM-522	THE EARLY COGNITIVE DECLINE IN ALZHEIMER'S DISEASE MODELS IS LINKED TO CHANGES IN THE INTRINSIC EXCITABILITY OF THE PREFRONTAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Senka Hadzibegovic (France)		
PS04-27PM-523	EXPERIENCE-DEPENDENT DEFICITS IN SHARP WAVE-RIPPLES IN 5XFAD MICE	14:00 - 14:00
<i>Speaker:</i> Paulina Schnur (United Kingdom)		
PS04-27PM-524	MAPPING HIPPOCAMPAL PROTEOME DISTRIBUTION IN EARLY ALZHEIMER'S DISEASE: CHANGES IN MEMORY AND SYNAPTIC PLASTICITY-RELATED PROTEINS WITH SEX DIMORPHISM	14:00 - 14:00
<i>Speaker:</i> Ana Contreras (Spain)		
PS04-27PM-525	EARLY DISRUPTION IN SOCIAL RECOGNITION AND ITS IMPACT ON EPISODIC MEMORY IN TRIPLE TRANSGENIC MICE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Anna Teruel-Sanchis (Spain)		
PS04-27PM-526	CHARACTERIZATION OF CA2 OSCILLATORY ACTIVITY IN SOCIAL MEMORY IN A NON-TRANSGENIC MODEL OF EARLY ALZHEIMER'S DISEASE IN FEMALE AND MALE MICE	14:00 - 14:00
<i>Speaker:</i> Raquel Jiménez Herrera (Spain)		
PS04-27PM-527	INVESTIGATING THE ROLE OF PYRAMIDAL CELLS IN THE NEUROVASCULAR UNCOUPLING OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Esther Belzic (France)		
PS04-27PM-528	POSTERIOR PARIETAL CORTEX OSCILLATORY ACTIVITY SHAPES PERSISTENT SPATIAL MEMORY IMPAIRMENTS INDUCED BY SOLUBLE AMYLOID-B OLIGOMERS	14:00 - 14:00
<i>Speaker:</i> Souhail Djebari (Spain)		

PS04-27PM-529	CEREBRAL INOCULATION WITH OLIGOMERIC AMYLOID-BETA(1-42) CAUSES PROGRESSIVE CHANGES IN CELLULAR PROPERTIES IN THE PIRIFORM CORTEX	14:00 - 14:00
<i>Speaker:</i> Christina Strauch (Germany)		
PS04-27PM-530	ALTERATIONS ON SYNAPTIC AND EXCITABILITY PROPERTIES OF BASOLATERAL AMYGDALA NEURONS IN THE APP/PS1 AD MICE	14:00 - 14:00
<i>Speaker:</i> Juliana Gonzalez-Sanmiguel (Chile)		
PS04-27PM-531	IMPAIRED SPATIAL CODING AND WEAK HYPERACTIVITY IN THE MEDIAL ENTORHINAL CORTEX OF AGED APP KNOCK-IN MICE	14:00 - 14:00
<i>Speaker:</i> Gustavo Rodriguez (United States)		
PS04-27PM-532	INVESTIGATING THE NEURAL ENSEMBLES UNDERLYING SUNDOWNING IN AN ALZHEIMER'S DISEASE MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Michelle Jin (United States)		
PS04-27PM-533	EFFECTS OF EARLY-HANDLING AND SEX ON COGNITIVE RESILIENCE IN APP/PS1 MICE	14:00 - 14:00
<i>Speaker:</i> Maria Carrigan (Netherlands)		
PS04-27PM-534	CONTRIBUTION OF ANTERODORSAL THALAMIC NEURONS TO ORIENTATION CODING AND THEIR DYSFUNCTION IN A NOVEL VIRUS-BASED TAUOPATHY MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Shan Jiang (United Kingdom)		
PS04-27PM-535	EXECUTIVE DYSFUNCTION AND ABNORMAL HIPPOCAMPAL-PREFRONTAL INTRINSIC AND SYNAPTIC EXCITABILITY IN THE 3XTG MOUSE MODEL FOR ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Grace Cunliffe (United Kingdom)		
PS04-27PM-536	PREFRONTAL-TDCS RESCUES HIPPOCAMPAL DOPAMINE SIGNALING, RESULTING IN CELLULAR, FUNCTIONAL AND BEHAVIOURAL IMPROVEMENTS AND AMYLOID-B REDUCTION IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Maria Luisa De Paolis (Italy)		
PS04-27PM-537	RESTING-STATE FUNCTIONAL CONNECTIVITY ALTERATIONS BETWEEN HIPPOCAMPAL SUBFIELDS AND PREFRONTAL CORTEX IN ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Esmín Unaran (Canada)		
PS04-27PM-538	SOCIAL MEMORY AND PREPULSE INHIBITION IN APP/PS1 MICE AND THE EFFECT OF CHEMOGENETIC MANIPULATION OF PARVALBUMIN INTERNEURONS IN THE VENTRAL HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Daniela Černotová (Czech Republic)		
PS04-27PM-539	INTACT SYSTEMS CONSOLIDATION IN PRE-SYMPTOMATIC AD MICE RELIES ON RECRUITMENT OF COMPENSATORY SUBCORTICAL AND CORTICAL REGIONS	14:00 - 14:00
<i>Speaker:</i> Annabella Pignataro (Italy)		
PS04-27PM-540	IMPAIRED MEMORY STORAGE AND RECALL IN A HIPPOCAMPAL CA1 NETWORK IN EARLY ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Saana Seppälä (Finland)		
PS04-27PM-541	MEMORY MATTERS: COGNITIVE DECLINE IN ISCHEMIC STROKE AND ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Robin Gens (Belgium)		
PS04-27PM-542	THE PARVALBUMIN-INTERNEURON MEDIATED MODULATION OF A MEMORY ENGRAM IN THE CONTEXT OF ALZHEIMER'S DISEASE	14:00 - 14:00
<i>Speaker:</i> Thijs Willems (Netherlands)		

PS04-27PM-543	A BEHAVIOURAL ASSESSMENT TO CHARACTERIZE DIFFERENT STAGES OF MEMORY IMPAIRMENT IN HUMANIZED APP KNOCK-IN MOUSE MODELS ACROSS VARIOUS AGES	14:00 - 14:00
<i>Speaker:</i> Loukia Katsouri (United Kingdom)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Autism Spectrum Disorder		
PS04-27PM-070	THE MGLU4 POSITIVE ALLOSTERIC MODULATOR FOLIGLURAX DURABLY RESCUES BEHAVIORAL DEFICITS IN THREE MOUSE MODELS OF AUTISM SPECTRUM DISORDER	14:00 - 14:00
<i>Speaker:</i> Mathieu Fonteneau (France)		
PS04-27PM-071	IMPACT OF PERINATAL EXPOSURE TO MATERNAL WESTERN DIET ON OFFSPRING SOCIOEMOTIONAL BEHAVIOR	14:00 - 14:00
<i>Speaker:</i> Jerome Becker (France)		
PS04-27PM-072	EARLY CORTICAL NETWORK DEFICITS UNDERLYING ABNORMAL STIMULUS PERCEPTION IN SHANK3B^{+/-} MICE	14:00 - 14:00
<i>Speaker:</i> Elena Montagni (Italy)		
PS04-27PM-073	MODULATION OF SENSORY DEFICITS IN SHANK3B MICE THROUGH CATHODAL TDCS	14:00 - 14:00
<i>Speaker:</i> Manuel Ambrosone (Italy)		
PS04-27PM-074	NEURAL ALTERATIONS IN THE NEOCORTEX UNDERLIE TACTILE PERCEPTION CHANGES IN A MOUSE MODEL OF AUTISM	14:00 - 14:00
<i>Speaker:</i> Ourania Semelidou (France)		
PS04-27PM-075	PREFRONTAL CORTEX ALTERATIONS UNDERLYING ATTENTIONAL MODULATION OF SENSORY INFORMATION IN THE FMR1KO MOUSE MODEL OF AUTISM SPECTRUM DISORDER	14:00 - 14:00
<i>Speaker:</i> Maria Gueidão Costa (France)		
PS04-27PM-076	ELECTROPHYSIOLOGIC, TRANSCRIPTOMIC AND MORPHOLOGIC PLASTICITY OF SPINAL INHIBITORY NEURONS TO DECIPHER ATYPICAL MECHANOSENSORY PERCEPTION IN AUTISM SPECTRUM DISORDER	14:00 - 14:00
<i>Speaker:</i> Anna Saint-Jean (France)		
PS04-27PM-077	DYSREGULATION OF VASOPRESSIN RELEASE FROM THE BED NUCLEUS OF STRIA TERMINALIS TO THE LATERAL SEPTUM PROMOTES SOCIAL DEFICITS IN SHANK3B^{+/-} MICE	14:00 - 14:00
<i>Speaker:</i> Maria Helena Bortolozzo Gleich (Spain)		
PS04-27PM-078	CHARACTERIZATION OF THE EXPRESSION OF DOPAMINERGIC MARKERS IN THE CNTNAP2 KNOCKOUT MOUSE MODEL OF AUTISM	14:00 - 14:00
<i>Speaker:</i> María Prieto (Spain)		
PS04-27PM-079	HYPOSENSITIVITY TO THERMAL STIMULUS WITH PREFRONTAL CORTICAL IMPLICATION IN TWO ANIMAL MODELS OF AUTISM SPECTRUM DISORDER	14:00 - 14:00
<i>Speaker:</i> Ming-chia Chu (Taiwan)		
PS04-27PM-080	THERMOSENSORY ATYPIA IN NEWBORNS MUTANT FOR AN AUTISM-RELATED GENE MAGEL2	14:00 - 14:00
<i>Speaker:</i> ugo zayan (France)		
PS04-27PM-081	TACTILE SENSORY PROCESSING DEFICITS IN THE SHANK3 KO MOUSE MODEL OF AUTISM SPECTRUM DISORDER	14:00 - 14:00
<i>Speaker:</i> Margarida Falcão (Portugal)		
PS04-27PM-082	COMBINED EXPANSION AND STED MICROSCOPY REVEALS	14:00 - 14:00

FINGERPRINTS OF SYNAPTIC NANOSTRUCTURE ACROSS BRAIN REGIONS AND IN ASD-RELATED SHANK3-DEFICIENCY

Speaker: Jan Philipp Delling (Germany)

PS04-27PM-083 **CHANGES IN STRIATAL SPINY PROJECTION NEURONS' PROPERTIES AND CIRCUITRY IN A MOUSE MODEL OF AUTISM SPECTRUM DISORDER WITH CHOLINERGIC INTERNEURON DYSFUNCTION** 14:00 - 14:00

Speaker: Juliette Graniou (France)

PS04-27PM-084 **ATYPICAL CORTICAL FEEDBACK UNDERLIES FAILURE TO PROCESS CONTEXTUAL INFORMATION IN THE SUPERIOR COLLICULUS OF SCN2A^{+/-} AUTISM MODEL MICE** 14:00 - 14:00

Speaker: Leiron Ferrarese (Italy)

PS04-27PM-085 **EARLY MATURATION AND HYPEREXCITABILITY IS A SHARED PHENOTYPE OF CORTICAL NEURONS DERIVED FROM DIFFERENT ASD-ASSOCIATED MUTATIONS** 14:00 - 14:00

Speaker: Yara Hussein (Israel)

PS04-27PM-086 **MAPPING THE CELL STATE LANDSCAPE OF AUTISM SPECTRUM DISORDERS** 14:00 - 14:00

Speaker: Lena Schwarz (Austria)

PS04-27PM-087 **BRAIN-STATE DEPENDENT DEFICIT IN VISUAL DISCRIMINATION IN A MOUSE MODEL OF SYNGAP1 -RELATED INTELLECTUAL DISABILITY AND AUTISM** 14:00 - 14:00

Speaker: Danai Katsanevaki (United Kingdom)

PS04-27PM-088 **CONTRIBUTION OF AUTISM GENETIC RISK ON CENTRAL CONTROL OF COORDINATED BEHAVIORAL AND AUTONOMIC RESPONSES TO DIVERSE SENSORY STIMULI** 14:00 - 14:00

Speaker: Diana Balazsfi (United States)

PS04-27PM-089 **DECIPHERING THE NEURODEVELOPMENTAL ROLE OF THE BRAIN SECRETOME IN AUTISM SPECTRUM DISORDER** 14:00 - 14:00

Speaker: Simon Schnabl (Austria)

PS04-27PM-090 **THE SELECTIVE DELETION OF AN AUTISM SPECTRUM DISORDER ASSOCIATED GENE IN A NEURONAL SUBPOPULATION CAUSES SUBTLE ANXIETY-RELATED ABNORMALITIES** 14:00 - 14:00

Speaker: Francesca Silvagni (Austria)

PS04-27PM-091 **INVOLVEMENT OF AMYGDALA NEURONS IN MALE PREDOMINANCE OF AUTISM SPECTRUM DISORDER** 14:00 - 14:00

Speaker: Noa Montefiore (Israel)

PS04-27PM-092 **FROM SYSTEMS BIOLOGY TO DRUG TARGETS: ATP SYNTHASE SUBUNIT UPREGULATION CAUSES MITOCHONDRIAL DYSFUNCTION IN SHANK3⁴⁴⁻²² MOUSE MODEL OF AUTISM** 14:00 - 14:00

Speaker: Wajeha Hamoudi (Israel)

PS04-27PM-093 **BOOSTING MYELINATION AS A THERAPEUTIC STRATEGY IN AUTISM** 14:00 - 14:00

Speaker: Maria Villafranca Faus (Spain)

PS04-27PM-094 **THE ANTI-REWARD CENTER IN AUTISM SPECTRUM DISORDERS (ASDs)** 14:00 - 14:00

Speaker: Manuel Scorrano (Italy)

PS04-27PM-095 **MTOR PATHWAY DISRUPTION IN GABAERGIC NEURONS IMPACTS MORPHOLOGICAL AND FUNCTIONAL DEVELOPMENT OF CORTICAL AND THALAMIC SOMATOSENSORY AREAS IN A MOUSE MODEL OF AUTISM SPECTRUM DISORDER** 14:00 - 14:00

Speaker: Marcin Lipiec (Poland)

PS04-27PM-096	MORPHOLOGICAL AND SYNAPTIC CHANGES IN DOPAMINERGIC NEURONS IN THE AUTISM-RELATED MODEL	14:00 - 14:00
<i>Speaker:</i> Jan Bakos (Slovakia)		
PS04-27PM-097	SHANK3 DEFICIENCY LEADS TO GABAERGIC ABNORMALITIES AND MORPHOLOGICAL CHANGES IN SOMATOSTATIN-EXPRESSING INTERNEURONS IN OLFACTORY BRAIN REGIONS	14:00 - 14:00
<i>Speaker:</i> Denisa Mihalj (Slovakia)		
PS04-27PM-098	CHRONIC IN VIVO TWO-PHOTON IMAGING OF CORTICAL NORADRENALINE REVEALS ALTERED SPATIOTEMPORAL RELEASE DYNAMICS DURING MOTOR LEARNING IN A MOUSE-MODEL OF AUTISM	14:00 - 14:00
<i>Speaker:</i> Nathaniel Jones (Canada)		
PS04-27PM-099	INVESTIGATING THE ROLE OF THE PTCHD1- PTCHD1-AS RISK LOCUS IN AUTISM SPECTRUM DISORDER	14:00 - 14:00
<i>Speaker:</i> Clarrisa Bradley (Canada)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Addiction		
PS04-27PM-183	MODULATORY EFFECTS OF MUSCARINIC M1 RECEPTOR AGONIST (VU0364572) IN THE CELLULAR CALCIUM AND GLUTAMATE RESPONSES TO COCAINE IN THE MICE NUCLEUS ACCUMBENS AND PREFRONTAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Cesar Ramon Romero Leguizamon (Denmark)		
PS04-27PM-184	CUE REACTIVITY OF NON-DOPAMINE NEURONS IN THE MIDBRAIN	14:00 - 14:00
<i>Speaker:</i> Varun Nair (United States)		
PS04-27PM-185	STIMULATION OF PARABRACHIAL CGRP NEURON SUPPRESSES ADDICTIVE BEHAVIOR	14:00 - 14:00
<i>Speaker:</i> Gyeong Hee Pyeon (Korea, Republic of)		
PS04-27PM-186	OPIOID WITHDRAWAL INCREASES EXCITABILITY AND SYNAPTIC OUTPUT OF VENTRAL PALLIDAL GLUTAMATERGIC NEURONS	14:00 - 14:00
<i>Speaker:</i> Jessica Tooley (United States)		
PS04-27PM-187	DETECTION OF THE DOPAMINE RELEASE INDUCED BY MORPHINE AND COCAINE TREATMENT USING A NOVEL MICROIMAGING PLATFORM	14:00 - 14:00
<i>Speaker:</i> Masahiro Ohsawa (Japan)		
PS04-27PM-188	SOCIAL CONTEXT AND DRUG CUES MODULATE INHIBITORY CONTROL IN COCAINE ADDICTION: INVOLVEMENT OF THE STN EVIDENCED THROUGH FUNCTIONAL MRI	14:00 - 14:00
<i>Speaker:</i> Damiano Terenzi (France)		
PS04-27PM-189	COMPULSIVE-LIKE SEEKING BEHAVIOR CORRELATES WITH AMPA RECEPTOR RECTIFICATION IN SYNAPSES OF THE SUBTHALAMIC NUCLEUS IN A RAT MODEL OF COCAINE ADDICTION	14:00 - 14:00
<i>Speaker:</i> Monica Tapia Pacheco (France)		
PS04-27PM-190	ACUPUNCTURE BIDIRECTIONALLY MODULATES DRUG SEEKING	14:00 - 14:00
<i>Speaker:</i> Seon-Ju Jeong (Korea, Republic of)		
PS04-27PM-191	CORRELATED PREFRONTAL AND SUBTHALAMIC ACTIVITIES PREDICT COMPULSIVE-LIKE COCAINE SEEKING IN RATS	14:00 - 14:00
<i>Speaker:</i> Jeanne-Laure de Peretti (France)		
PS04-27PM-192	ROLE OF LATERAL HYPOTHALAMUS NEUROPEPTIDES IN	14:00 - 14:00

COCAINE-INDUCED LOCOMOTIVE BEHAVIOR*Speaker:* DanBi Ahn (Korea, Republic of)

PS04-27PM-194 **IDENTIFYING THE BIOLOGICAL RELATIONSHIP AMONG THE STAGES AND PATTERNS OF COCAINE ADDICTION AND BEHAVIORS THAT PREDICT DRUG ABUSE** 14:00 - 14:00

Speaker: Jason Bubier (United States)

PS04-27PM-195 **GLUTAMATERGIC AND GABAERGIC MU-OPIOID RECEPTOR VTA NEURONS DIFFERENTIALLY MODULATE MOTIVATIONAL AND SOMATIC CONSEQUENCES OF FENTANYL USE** 14:00 - 14:00

Speaker: Emily Prevost (United States)

PS04-27PM-196 **THE MECHANISM UNDERLYING ACUPUNCTURE INHIBITION OF ADDICTION BEHAVIORS THROUGH ACTIVATION OF MESOLIMBIC GABA NEURONS** 14:00 - 14:00

Speaker: Han Byeol Jang (Korea, Republic of)

PS04-27PM-197 **EXPLORING THE IMPACT OF SATB2 ON COCAINE RELAPSE: INSIGHTS FROM A MOUSE MODEL** 14:00 - 14:00

Speaker: Diogo Monteiro (Austria)

PS04-27PM-198 **DOPAMINE AND GLUTAMATE RECEPTOR HETEROMERS AS A COMMON MOLECULAR SUBSTRATE FOR SUBSTANCE USE DISORDER AND COMORBID DEPRESSION** 14:00 - 14:00

Speaker: Marie-Charlotte Allichon (France)

PS04-27PM-199 **IDENTIFICATION OF NEW INHIBITORS OF DOPAMINE-GLUTAMATE RECEPTOR HETEROMERIZATION TO ALLEVIATE ADDICTIVE- AND DEPRESSIVE-LIKE SYMPTOMS** 14:00 - 14:00

Speaker: Adèle Vilette (France)

PS04-27PM-200 **ACTIVATION OF GROUP II METABOTROPIC GLUTAMATE RECEPTORS RESCUES THE VENTRAL HIPPOCAMPUS - VENTRAL TEGMENTAL AREA CIRCUIT FROM AMPHETAMINE SENSITIZATION** 14:00 - 14:00

Speaker: Katarzyna Rekawek (Austria)

PS04-27PM-201 **IMPACT OF A HIGHLY POTENT AND LONG-ACTING COCAINE HYDROLASE ON RECOVERY OF DOPAMINERGIC SYSTEM AFTER COCAINE EXPOSURE** 14:00 - 14:00

Speaker: Fang Zheng (United States)

PS04-27PM-202 **DIFFERENTIAL PROCESSING OF COCAINE AND SUGAR INFORMATION BY DOPAMINE-SENSITIVE NEURONS IN THE CENTRAL AMYGDALA** 14:00 - 14:00

Speaker: Łukasz Bijoch (Poland)

PS04-27PM-203 **INVOLVEMENT OF OREXIN-2 RECEPTOR WITHIN THE DENTATE GYRUS OF THE HIPPOCAMPUS IN THE METHAMPHETAMINE-SEEKING BEHAVIOR** 14:00 - 14:00

Speaker: Ronak Azizbeigi (Iran)

PS04-27PM-204 **EPIGENETIC MECHANISMS OF INFORMATION STORAGE IN THE ONSET OF DRUG ADDICTION** 14:00 - 14:00

Speaker: Luna Zea Redondo (Germany)

PS04-27PM-205 **SELECTIVE MODULATION OF THE INFRA-LIMBIC CORTEX ACTIVITY REGULATES REINSTATEMENT OF COCAINE-CONTEXT ASSOCIATIONS IN MICE** 14:00 - 14:00

Speaker: Ana M. Pérez-Cano (Spain)

PS04-27PM-206 **A SINGLE DOSE OF COCAINE REWIRES THE 3D GENOME STRUCTURE OF MIDBRAIN DOPAMINE NEURONS** 14:00 - 14:00

Speaker: Dominik Szabo (Germany)

PS04-27PM-207	EFFECT OF SOCIAL CHOICE-INDUCED VOLUNTARY ABSTINENCE ON INCUBATION OF METHAMPHETAMINE CRAVING AND AMPA RECEPTOR EXPRESSION IN NUCLEUS ACCUMBENS CORE	14:00 - 14:00
<i>Speaker:</i> claudia marchetti (Italy)		
PS04-27PM-208	CROSSTALK BETWEEN AQP4-DEPENDENT INCREASE OF EXTRACELLULAR ADENOSINE AND DOPAMINE NEUROTRANSMISSION DURING COCAINE-INDUCED PSYCHIATRIC BEHAVIORS	14:00 - 14:00
<i>Speaker:</i> Mitsuhiro Morita (Japan)		
PS04-27PM-209	DOPAMINE D3R ANTAGONISM FACILITATES THE EXTINCTION OF DRUG-SEEKING BEHAVIOURS IN OPIATE CPA MODEL AND IS ASSOCIATED TO DECREASED IBA1 LEVELS IN THE MEDIAL PREFRONTAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Aurelio Franco-García (Spain)		
PS04-27PM-210	MOLECULAR PROFILING OF ARC NEURONAL ENSEMBLES SUPPORTING THE ENCODING OF DRUG-CONTEXT ASSOCIATIONS	14:00 - 14:00
<i>Speaker:</i> Marine Salery (United States)		
PS04-27PM-211	DECODING COCAINE-INDUCED PROTEOMIC ADAPTATIONS IN THE MOUSE NUCLEUS ACCUMBENS	14:00 - 14:00
<i>Speaker:</i> Philipp Mews (United States)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 04 - Cortical Activity Across States		
PS04-27PM-165	THE MICROAROUSAL BRAIN STATE CAN EMERGE IN THE LOCAL NETWORK OF THE CEREBRAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Joana Covelo (Spain)		
PS04-27PM-166	CHOLINERGIC HETEROGENEITY IN SYNCHRONOUS AND ASYNCHRONOUS STATES IN A WHOLE BRAIN MODEL	14:00 - 14:00
<i>Speaker:</i> Leonardo Dalla Porta (Spain)		
PS04-27PM-167	CONTROL OF EPILEPTIFORM DISCHARGES BY ELECTRIC FIELDS: QUANTIFICATION OF FIELDS AND NEURAL EFFECTS	14:00 - 14:00
<i>Speaker:</i> Nathalia Cancino Fuentes (Spain)		
PS04-27PM-168	NEURAL TIMESCALES HIERARCHY ACROSS THE HUMAN CORTEX CHANGES FROM WAKEFULNESS TO SLEEP	14:00 - 14:00
<i>Speaker:</i> Riccardo Cusinato (Switzerland)		
PS04-27PM-169	GRAPH MODELS OF BRAIN STATE IN DEEP ANAESTHESIA REVEAL SINK STATE DYNAMICS OF REDUCED SPATIOTEMPORAL COMPLEXITY AND INTEGRATION	14:00 - 14:00
<i>Speaker:</i> James Wilsenach (United Kingdom)		
PS04-27PM-170	THALAMOCORTICAL SPINDLES OCCUR DURING RAPID EYE MOVEMENT SLEEP IN MOUSE SOMATOSENSORY PATHWAY	14:00 - 14:00
<i>Speaker:</i> Nadia Urbain (France)		
PS04-27PM-171	DYNAMICS OF EFFECTIVE CONNECTIVITY IN THE HUMAN CORTEX	14:00 - 14:00
<i>Speaker:</i> Ellen van Maren (Switzerland)		
PS04-27PM-172	VIGILANCE-STATE INSTABILITY PRECEDES STATE-SPECIFIC LFP CHANGES IN ACUTE SEPSIS	14:00 - 14:00
<i>Speaker:</i> Susan Leemburg (Czech Republic)		
PS04-27PM-173	AN <i>IN SILICO</i> STUDY OF LOCAL AND GLOBAL PROPERTIES IN THE PROPAGATION OF CORTICAL SLOW WAVES	14:00 - 14:00

Speaker: Javier Alegre-Cortés (Spain)

PS04-27PM-174 **CIRCADIAN RHYTHM AND SLEEP IN LILZARDS** 14:00 - 14:00

Speaker: Sho Yamaguchi (Japan)

PS04-27PM-175 **CHOLINERGIC-DEPENDENT SLOW-WAVE OSCILLATIONS IN THE CLAUSTRUM-CORTICAL NETWORKS IN VITRO** 14:00 - 14:00

Speaker: Ambre Ledoux (France)

PS04-27PM-176 **TEMPORAL DYNAMICS OF HEARTBEAT EVOKED POTENTIALS IN COMATOSE PATIENTS IN LONG CONTINUOUS RECORDINGS** 14:00 - 14:00

Speaker: Florence Aellen (Switzerland)

PS04-27PM-177 **BREAKDOWN OF AUDITORY PROCESSING HIERARCHY IN HUMAN SLEEP** 14:00 - 14:00

Speaker: Sigurd Alnes (Switzerland)

PS04-27PM-178 **INVESTIGATING NEURAL MESOSCALE SIGNAL COMPLEXITY AT DIFFERENT STAGES OF CONSCIOUSNESS: HOW TO PREDICT LOCAL FIELD POTENTIAL FROM SPIKING ACTIVITY** 14:00 - 14:00

Speaker: Giampiero Bardella (Italy)

PS04-27PM-179 **ANATOMICALLY HETEROGENEOUS PYRAMIDAL CELLS IN SUPRAGRANULAR LAYERS OF THE DORSAL CORTEX SHOW THE SURFACE-TO-DEEP FIRING FREQUENCY INCREASE DURING NATURAL SLEEP** 14:00 - 14:00

Speaker: Boglárka Bozsó (Hungary)

PS04-27PM-180 **CIRCADIAN REGULATION IN NON-MAMMALIAN SPECIES - A THIRD-EYE VIEW FROM THE BEARDED DRAGON** 14:00 - 14:00

Speaker: Emma Morris (Germany)

PS04-27PM-181 **EVIDENCE FOR CENTRAL-PATTERN-GENERATOR CIRCUITS DRIVING THE REM-NREM SLEEP CYCLE** 14:00 - 14:00

Speaker: Lorenz Fenk (Germany)

PS04-27PM-182 **VISUAL PROCESSING IN THE SLEEPING BRAIN** 14:00 - 14:00

Speaker: Aleksandra Novozhilova (Switzerland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Neurological Disorder Mechanisms

PS04-27PM-242 **EXPLORING THE MATURATION OF THE GABA SHIFT AS A DIVERGING MECHANISM IN SCN1A-RELATED EPILEPSY USING PATIENT IPSC-DERIVED NEURONS** 14:00 - 14:00

Speaker: Nikki Kolsters (Netherlands)

PS04-27PM-243 **EXPLORING THE ROLE OF THE PRIMARY CILIUM IN HOMEOSTATIC PLASTICITY IN HIPSC-DERIVED NEURONAL NETWORKS** 14:00 - 14:00

Speaker: Emma Dyke (Netherlands)

PS04-27PM-244 **UNRAVELING MTOROPATHIES: MTOR HYPERACTIVATION INDUCES MUTATION-SPECIFIC FUNCTIONAL PHENOTYPES IN HUMAN NEURONAL NETWORKS** 14:00 - 14:00

Speaker: Marie Le Bihan (Netherlands)

PS04-27PM-245 **ALTERED AUTOPHAGY IN KANSL1 HAPLOINSUFFICIENT IPSC-DERIVED ASTROCYTES** 14:00 - 14:00

Speaker: Denise Duineveld (Netherlands)

PS04-27PM-246 **INTEGRATING NETWORK ACTIVITY WITH TRANSCRIPTOMIC PROFILING IN HIPSCS-DERIVED NEURONAL NETWORKS TO UNDERSTAND THE MOLECULAR DRIVERS OF FUNCTIONAL** 14:00 - 14:00

HETEROGENEITY IN THE CONTEXT OF NEURODEVELOPMENTAL DISORDERS

Speaker: Sofia Puvogel (Netherlands)

PS04-27PM-247 **CACNA1A HAPLOINSUFFICIENCY LEADS TO REDUCED SYNAPTIC FUNCTION AND INCREASED INTRINSIC EXCITABILITY** 14:00 - 14:00

Speaker: Marina Hommersom (Netherlands)

PS04-27PM-248 **MODELLING KOOLEN-DE VRIES SYNDROME IN NEURAL ORGANIDS** 14:00 - 14:00

Speaker: Brooke Latour (Netherlands)

PS04-27PM-249 **ALTERED DENDRITIC EXCITABILITY AND CELL MATURATION OF CA3 PYRAMIDAL NEURONS DURING DEVELOPMENT IN THE SCN2AA263V GENETIC EPILEPSY MODEL** 14:00 - 14:00

Speaker: Michela Barboni (Germany)

PS04-27PM-250 **ADULT CORTICAL AND HIPPOCAMPAL NETWORK DYNAMICS IN P.A236V SCN2A MOUSE MODEL OF DEVELOPMENTAL AND EPILEPTIC ENCEPHALOPATHY** 14:00 - 14:00

Speaker: Yana Reva (Germany)

PS04-27PM-251 **UNRAVELING EPILEPTOGENESIS MECHANISMS VIA SCRNA-SEQ IN SCN2A^{P.A263V} MOUSE MODEL** 14:00 - 14:00

Speaker: Xian Xin (Denmark)

PS04-27PM-252 **NEONATAL CA3 HYPEREXCITABILITY DRIVES HIPPOCAMPAL EPILEPTOGENESIS IN SCN2A EPILEPTIC ENCEPHALOPATHY** 14:00 - 14:00

Speaker: Daniil Kirianov (Germany)

PS04-27PM-253 **DISSECTING UBE3A-DEPENDENT REGULATION OF SYNAPSE DEVELOPMENT** 14:00 - 14:00

Speaker: Martina Biagioni (Italy)

PS04-27PM-254 **MECHANISMS OF SYNAPTIC DYSFUNCTION IN THE ANGELMAN SYNDROME** 14:00 - 14:00

Speaker: Federica Baronchelli (Italy)

PS04-27PM-255 **DISSECTING SEIZURE VULNERABILITY IN SCHINZEL-GIEDION SYNDROME** 14:00 - 14:00

Speaker: Linda Bossini (Italy)

PS04-27PM-256 **EXPLORING THE PHENOTYPIC IMPACT OF CONSTITUTIVE OR LATE RESTORATION OF NA_v1.1 IN GABAERGIC NEURONS IN A REVERSIBLE MOUSE MODEL OF DRAVET SYNDROME** 14:00 - 14:00

Speaker: Martina Mainardi (Italy)

PS04-27PM-257 **BIALLELIC MUTATIONS IN TOP3B CAUSE A BLOOM SYNDROME-LIKE DISORDER** 14:00 - 14:00

Speaker: Xiaowei Lei (China)

PS04-27PM-258 **MICROCIRCUIT FAILURE IN STXBP1 ENCEPHALOPATHY LEADS TO HYPEREXCITABILITY** 14:00 - 14:00

Speaker: Altair Brito dos Santos (Denmark)

PS04-27PM-259 **RESCUING THE PHENOTYPE OF STXBP1 ENCEPHALOPATHY: THERAPEUTIC POTENTIAL OF POSITIVE ALLOSTERIC MODULATORS TARGETING GLUTAMATE RECEPTORS** 14:00 - 14:00

Speaker: Carlos Gomez Martinez (Denmark)

PS04-27PM-260 **EXPLORING PATIENT-SPECIFIC MECHANISMS IN SYNGAP1-RELATED PATHOLOGY TO DEVELOP TARGETED THERAPEUTIC STRATEGIES** 14:00 - 14:00

Speaker: Bernadette Basilico (Italy)

PS04-27PM-261 **CHARACTERIZATION OF A NOVEL MISSENSE MUTATION IN THE** 14:00 - 14:00

A2 SUBUNIT OF THE NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR LINKED TO SLEEP-RELATED GENERALIZED SEIZURES WITH COGNITIVE DEFICIT

Speaker: Chiara Villa (Italy)

PS04-27PM-262 **UNRAVELLING THE ROLE OF PROTOCADHERIN-19 (PCDH19) IN GENE EXPRESSION REGULATION** 14:00 - 14:00

Speaker: Sara Mazzoleni (Italy)

PS04-27PM-263 **UNDERSTANDING CA_v2.1 DYSFUNCTION IN NEUROLOGICAL DISORDERS: INSIGHTS FROM NOVEL CRISPR/CAS9 MOUSE MODEL AND IPSC-DERIVED NEURONS** 14:00 - 14:00

Speaker: Fanny Jaudon (Italy)

PS04-27PM-264 **UBE3A-INDUCED UBIQUITINATION CHANGES IN THE BRAIN REVEAL THE MOLECULAR COMPLEXITY OF ANGELMAN SYNDROME** 14:00 - 14:00

Speaker: Nagore Elu Arantzamendi (United Kingdom)

PS04-27PM-265 **THE EFFECT OF THE AUTISM-ASSOCIATED A749G CACNA1D (CAV1.3) MUTATION ON NEURONAL MORPHOLOGY** 14:00 - 14:00

Speaker: Yuliia Nikonishyna (Austria)

PS04-27PM-266 **UNRAVELING THE MOLECULAR MECHANISMS OF EPILEPSY IN PEDIATRIC PATIENTS WITH TUBEROUS SCLEROSIS COMPLEX (TSC)** 14:00 - 14:00

Speaker: Frederik Nørby Friis Sørensen (Denmark)

PS04-27PM-267 **DE NOVO MISSENSE MUTATION IN CERS6 IDENTIFIED IN A PATIENT WITH SUBCORTICAL HETEROTOPIA** 14:00 - 14:00

Speaker: Kaviya Chinnappa (France)

PS04-27PM-268 **TEMPORAL REGULATION OF VOLTAGE-GATED SODIUM CHANNELS BY MIRNAS DURING HIPPOCAMPAL DEVELOPMENT: INSIGHTS FROM ARGONAUTE SEQUENCING** 14:00 - 14:00

Speaker: Petra Bencurova (Ireland)

PS04-27PM-269 **CLINICAL FEATURES OF SYT1-ASSOCIATED NEURODEVELOPMENTAL DISORDER CORRELATE WITH FUNCTIONAL DEFECTS IN EVOKED NEUROTRANSMITTER RELEASE** 14:00 - 14:00

Speaker: Lauren Bleakley (Australia)

PS04-27PM-270 **FUNCTIONAL CHARACTERIZATION OF DPYSL5 GENE VARIANTS INVOLVED IN NEURODEVELOPMENTAL DISORDERS WITH BRAIN MALFORMATIONS** 14:00 - 14:00

Speaker: Florence Desprez (France)

PS04-27PM-271 **THE ROLE OF THE X-LINKED CYCLIN DEPENDENT KINASE LIKE 5 (CDKL5) GENE IN EXTRACELLULAR VESICLE-MEDIATED CELL-TO-CELL COMMUNICATION** 14:00 - 14:00

Speaker: Antonia Gurgone (Italy)

PS04-27PM-272 **CDKL5: A NOVEL REGULATOR OF THE POST-SYNAPTIC COMPLEX AT THE INHIBITORY SYNAPSE** 14:00 - 14:00

Speaker: Serena Valastro (Italy)

PS04-27PM-273 **DE NOVO VARIANTS IN GABRA4 ARE ASSOCIATED WITH A NEUROLOGICAL PHENOTYPIC SPECTRUM INCLUDING DEVELOPMENTAL DELAY, BEHAVIORAL ABNORMALITIES AND EPILEPSY** 14:00 - 14:00

Speaker: Margot Ernst (Austria)

PS04-27PM-274 **NEW INSIGHTS FROM MODELLING NEURONS IN PRRT2 PATIENTS** 14:00 - 14:00

Speaker: Martina Servetti (Italy)

PS04-27PM-275	TIME IS OF THE ESSENCE: EXPLORING EXCITATION/INHIBITION IMBALANCE DRIVING DISTINCT FUNCTIONAL NETWORK PHENOTYPES IN ASD	14:00 - 14:00
<i>Speaker:</i> Nicky Scheefhals (Netherlands)		
PS04-27PM-276	A PATHOGENIC PORE VARIANT IN KV7.2 POTASSIUM CHANNELS CAUSES A UNIQUE INACTIVATION PROCESS WHEN EXPRESSED IN VITRO	14:00 - 14:00
<i>Speaker:</i> Ingrida Luzio Gaspar (Italy)		
PS04-27PM-277	DETERMINING THE ROLE OF ENHANCED PERINEURONAL NET DEPOSITION IN SEIZURE SUSCEPTIBILITY IN ANGELMAN SYNDROME MODEL MICE	14:00 - 14:00
<i>Speaker:</i> Abd Alrahman Elaksher (United States)		
PS04-27PM-278	ENHANCED INHIBITION IN HIPPOCAMPAL PYRAMIDAL NEURONS IN A GAIN-OF-FUNCTION GABRB3 MOUSE MODEL OF EPILEPSY	14:00 - 14:00
<i>Speaker:</i> Chaseley McKenzie (Australia)		
PS04-27PM-279	UNDERSTANDING THE SYNAPTIC BASIS OF DYSTONIA PATHOGENESIS TRIGGERED BY RIMBP1 MUTATIONS	14:00 - 14:00
<i>Speaker:</i> Chiara Olmeo (Germany)		
PS04-27PM-280	DE NOVO VARIANTS IN SP9 CAUSE A NOVEL FORM OF INTERNEURONOPATHY CHARACTERIZED BY INTELLECTUAL DISABILITY, AUTISM SPECTRUM DISORDER, AND EPILEPSY WITH VARIABLE EXPRESSIVITY	14:00 - 14:00
<i>Speaker:</i> Gaelle Friocourt (France)		
PS04-27PM-281	CYFIP2 ARG87CYS MUTATION: UNRAVELING ITS ROLE IN EARLY INFANTILE EPILEPTIC ENCEPHALOPATHY	14:00 - 14:00
<i>Speaker:</i> Elona NDOJ (Italy)		
PS04-27PM-282	TMEM151A, A NEW CAUSATIVE GENE IN PAROXYSMAL KINESIGENIC DYSKINESIA	14:00 - 14:00
<i>Speaker:</i> Lisastella Morinelli (Italy)		
PS04-27PM-283	EXPLORING THE FUNCTION OF THE SYNAPTIC ADAPTOR PROTEIN P140CAP IN HUMAN EXCITATORY NEURONS DERIVED FROM IPSCS	14:00 - 14:00
<i>Speaker:</i> Mario De Gregorio (Italy)		
PS04-27PM-284	USING A NEURAL NETWORK MODEL TO UNDERSTAND KCNA6 P.LYS376VA VARIANT INDUCED LOSS OF FUNCTION IN CHILDHOOD EPILEPSY	14:00 - 14:00
<i>Speaker:</i> Lordstrong Akano (Austria)		

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Pharmacological Approaches for Mood Disorders

PS04-27PM-044	BEYOND MATERNAL BOUNDARIES: EXPLORING OFFSPRING EXCITABILITY IN RESPONSE TO MATERNAL CHRONIC STRESS AND MIRTAZAPINE	14:00 - 14:00
<i>Speaker:</i> Alžbeta Idunková (Slovakia)		
PS04-27PM-045	MIRTAZAPINE TREATMENT OF MATERNAL DEPRESSION - POSITIVE EFFECT ON THE OFFSPRING DEVELOPMENT?	14:00 - 14:00
<i>Speaker:</i> Katarína Ondáčová (Slovakia)		
PS04-27PM-046	THE IMPACT OF SHANK3 POSTSYNAPTIC PROTEIN DEFICIENCY ON NEURONAL SYNAPTIC ACTIVITY IN THE STRIATUM OF AN AUTISM-RELATED MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Bohumila Jurkovičová Tarabová (Slovakia)		

PS04-27PM-047	AN IN SILICO POPULATION OF COMPARTMENTAL MODELS OF NEURONS FROM PRIMARY HIPPOCAMPAL CULTURES	14:00 - 14:00
	<i>Speaker:</i> Matus Tomko (Slovakia)	
PS04-27PM-048	PARSING THE STRIATAL MOLECULAR ADAPTATIONS IN GLUTAMATE AND DOPAMINE SYSTEMS IN A PRECLINICAL MODEL OF DEPRESSION	14:00 - 14:00
	<i>Speaker:</i> Marion Violain (France)	
PS04-27PM-049	THE ASSOCIATION OF EMOTION DYSREGULATION IN THE OCCURRENCE OF DEPRESSION AND SUICIDAL BEHAVIORS IN A SUB-SAHARAN SAMPLE OF UNIVERSITY STUDENTS	14:00 - 14:00
	<i>Speaker:</i> Bernice Nderitu (Kenya)	
PS04-27PM-050	DEPRESSION RELATED TO EARLY LIFE ADVERSITY: WHAT PRECLINICAL MODELS CAN TELL US?	14:00 - 14:00
	<i>Speaker:</i> Alice Passeri (Italy)	
PS04-27PM-051	DIFFERENTIAL EXPRESSION OF PREFRONTAL CORTEX MIRNAS INVOLVED IN DEPRESSION-RELATED PATHWAYS	14:00 - 14:00
	<i>Speaker:</i> Lluís Miquel-Rio (Spain)	
PS04-27PM-052	INVESTIGATING CENTRAL BDNF EXPRESSION IN A ANOREXIA NERVOSA-LIKE MOUSE MODEL: IMPLICATIONS FOR DIAGNOSIS AND PROGNOSIS	14:00 - 14:00
	<i>Speaker:</i> Jingxian Cao (France)	
PS04-27PM-053	EFFECT OF RNA M⁶A METHYLTRANSFERASE ACTIVATION ON ANXIETY- AND DEPRESSION-RELATED BEHAVIOURS, MONOAMINE NEUROCHEMISTRY AND STRIATAL GENE EXPRESSION IN THE RAT	14:00 - 14:00
	<i>Speaker:</i> Jaanus Harro (Estonia)	
PS04-27PM-054	EVALUATION OF POTENTIAL BIOMARKER MIRNAS AND THE LEVELS OF SEROTONIN IN PATIENTS WITH OBSESSIVE-COMPULSIVE DISORDER	14:00 - 14:00
	<i>Speaker:</i> Nur Damla Korkmaz (Turkey)	
PS04-27PM-055	CELL-TYPE SPECIFIC TARGETING OF JNK INHIBITOR IN BRAIN USING SYSTEMIC AAVS ELICITS DIFFERENTIAL EFFECTS ON AFFECTIVE BEHAVIOURS IN MICE	14:00 - 14:00
	<i>Speaker:</i> Anniina Jokela (Finland)	
PS04-27PM-056	ROLE OF THE IMMUNE-NEUROENDOCRINE INTERPLAY DURING AFFECTIVE EPISODES AND EUTHYMIA IN BIPOLAR PATIENTS: SEARCHING A RELIABLE BIOLOGICAL SIGNATURE OF THE DISEASE	14:00 - 14:00
	<i>Speaker:</i> Alessandra Berry (Italy)	
PS04-27PM-057	SEX-SPECIFIC EFFECT OF PERINATAL MIRTAZAPINE ADMINISTRATION AND PREGESTATIONAL STRESS ON THE EXCITABILITY OF MESOLIMBIC DOPAMINE NEURONS IN RATS	14:00 - 14:00
	<i>Speaker:</i> Ruslan Paliokha (Slovakia)	
PS04-27PM-058	CORTICAL MIR-16 INVOLVEMENT IN THE ANTIDEPRESSANT EFFECTS OF PHARMACOLOGICAL ELEVATION OF ANANDAMIDE IN A RAT MODEL FOR DEPRESSION	14:00 - 14:00
	<i>Speaker:</i> Anna Portugalov (Israel)	
PS04-27PM-059	AN ATOPIC DERMATITIS MOUSE MODEL REVEALS POTENTIAL UTILITY FOR ATOPIC DERMATITIS-GENERATED COMORBID DEPRESSION BRAIN CIRCUITRY STUDIES	14:00 - 14:00
	<i>Speaker:</i> Ian McConnell (United States)	
PS04-27PM-060	NVU ALTERATIONS EXPLAIN MOTIVATIONAL DEFICITS IN A MURINE MODEL OF CHRONIC DISTRESS	14:00 - 14:00

Speaker: Lidia Cabeza Alvarez (France)

PS04-27PM-061 **CYTOKINE PRODUCTION IN DAMS WITH MATERNAL DEPRESSION AND THEIR ADOLESCENT OFFSPRING AND EFFECT OF MIRTAZAPINE TREATMENT** 14:00 - 14:00

Speaker: Stanislava Bukatova (Slovakia)

PS04-27PM-062 **THE BIOLOGICAL EFFECTS OF "GREEN-THERAPY" ON MDD** 14:00 - 14:00

Speaker: Gianna Pavarino (Italy)

PS04-27PM-063 **GENETIC AND FLUOXETINE-DEPENDENT REGULATION OF CORTICAL DLX5/6 EXPRESSION REGULATE ADULT ANXIETY AND DEPRESSIVE-LIKE BEHAVIOURS** 14:00 - 14:00

Speaker: Rym AOUCI (France)

PS04-27PM-064 **MACHINE LEARNING FOR INDIVIDUAL MULTIVARIATE FINGERPRINTS AS PREDICTORS OF MENTAL WELL-BEING IN YOUNG ADULTS** 14:00 - 14:00

Speaker: Andrea Caporali (Italy)

PS04-27PM-065 **BEHAVIORAL, MOLECULAR AND CELLULAR EFFECTS OF LOW-DOSE CBD ADMINISTRATION IN A CHRONIC STRESS-INDUCED MAJOR DEPRESSION MOUSE MODEL** 14:00 - 14:00

Speaker: Sara Borràs Pernas (Spain)

PS04-27PM-066 **THE TASTE OF SICKNESS: INDUCTION OF NEGATIVE TREATMENT EXPECTATION IN AN ANIMAL MODEL OF ENDOTOXIN-INDUCED SICKNESS** 14:00 - 14:00

Speaker: Harald Engler (Germany)

PS04-27PM-067 **IMPACT OF OLFACTORY FOOD INGREDIENTS ON EMOTIONAL AND DIGESTIVE STATE** 14:00 - 14:00

Speaker: Clémence Viguié (France)

PS04-27PM-068 **EFFECTS OF KETOGENIC DIET AND BDNF DEFICIENCY IN MOUSE CHRONIC RESTRAIN STRESS MODEL** 14:00 - 14:00

Speaker: Ilya Smolensky (Switzerland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Cognitive Flexibility

PS04-27PM-100 **ANALYZING ERROR PATTERNS IN PRIMATE VISUOSPATIAL WORKING MEMORY** 14:00 - 14:00

Speaker: Rafaella Mínea Riszt (Hungary)

PS04-27PM-101 **INVESTIGATION AND MODULATION OF CORTICAL EXCITABILITY IN AWAKE RHESUS MACAQUES WITH NON-INVASIVE TRANSCRANIAL MAGNETIC STIMULATION AND ELECTRO-ENCEPHALOGRAPHY** 14:00 - 14:00

Speaker: Anna Padanyi (Hungary)

PS04-27PM-102 **EFFECTS OF EXENATIDE ON SCHEDULED FEEDING BEHAVIOUR IN NON-HUMAN PRIMATES** 14:00 - 14:00

Speaker: Judit Zubánné Inkeller (Hungary)

PS04-27PM-103 **DOES INTERFERENCE INHIBITION IN MEMORY ENTAIL INHIBITORY NEUROTRANSMISSION?** 14:00 - 14:00

Speaker: Balázs Knakker (Hungary)

PS04-27PM-104 **ATTENTIONAL SET-SHIFTING TASK: AN APPROACH TO ASSESS PREFRONTAL ACTIVITY PATTERNS DURING BEHAVIORAL FLEXIBILITY IN AGED MICE** 14:00 - 14:00

Speaker: Francisca García (Chile)

PS04-27PM-105	OVERTRAINING ENHANCES BEHAVIOURAL FLEXIBILITY ON A SERIAL REVERSAL LEARNING TASK	14:00 - 14:00
	<i>Speaker:</i> Silvia Maggi (United Kingdom)	
PS04-27PM-106	A NOVEL TOUCH-PANEL BASED SERIAL REVERSAL LEARNING TASK FOR ASSESSING COGNITIVE FLEXIBILITY IN MICE	14:00 - 14:00
	<i>Speaker:</i> Hiroyuki Okuno (Japan)	
PS04-27PM-107	EFFECT OF LESIONS OF THE CEREBELLAR NUCLEUS FASTIGII ON ATTENTION AND FRONTAL CORTICAL ACTIVITY IN RATS	14:00 - 14:00
	<i>Speaker:</i> Franziska Decker (Germany)	
PS04-27PM-108	OLFACTORY DISCRIMINATION AND REVERSAL LEARNING IN THE NEUREXIN1 (+/-) MOUSE MODEL OF AUTISM SPECTRUM DISORDER	14:00 - 14:00
	<i>Speaker:</i> Richard Brown (Canada)	
PS04-27PM-109	ASSESSMENT OF ADVERSE DRUG EFFECTS ON COGNITIVE FUNCTION IN CYNOMOLGUS MACAQUES USING AN AUTOMATED TOUCHSCREEN-BASED CANTAB DEVICE	14:00 - 14:00
	<i>Speaker:</i> Sareer Ahmad (Germany)	
PS04-27PM-110	INTEGRATED ELECTROPHYSIOLOGY AND FIBER PHOTOMETRY EXAMINATION OF THE PREFRONTAL CORTEX IN THE MOUSE MODEL OF IMPLICIT LEARNING	14:00 - 14:00
	<i>Speaker:</i> Éva Gulyás (Hungary)	
PS04-27PM-111	BEHAVIOURAL CHARACTERIZATION OF THE CAG-HACE2 TRANSGENIC MICE	14:00 - 14:00
	<i>Speaker:</i> Ilenia Pinna (Italy)	
PS04-27PM-112	IDENTIFICATION OF METABOLIC PATHWAYS ACTIVATED BY DIFFERENT LEARNING STRATEGIES IN MICE	14:00 - 14:00
	<i>Speaker:</i> Alexandre Carrea (Italy)	
PS04-27PM-113	THE GLYT1 INHIBITOR BITOPERTIN IMPROVES CHOICE ACCURACY DURING A TOUCHSCREEN-BASED WORKING MEMORY TASK IN MICE	14:00 - 14:00
	<i>Speaker:</i> Bastiaan van der Veen (Germany)	
PS04-27PM-114	AGE-RELATED CHANGES IN NEURAL VARIABILITY IN A DECISION-MAKING TASK	14:00 - 14:00
	<i>Speaker:</i> Fenying Zang (Netherlands)	
PS04-27PM-115	CAN A MIRROR REFLECT PSYCHOSIS? A REVERSE TRANSLATIONAL APPROACH TO QUANTIFY ANOMALOUS SUBJECTIVE EXPERIENCE	14:00 - 14:00
	<i>Speaker:</i> Daria Chestnykh (Germany)	
PS04-27PM-116	ESTABLISHMENT OF AN AGED MOUSE MODEL OF UNILATERAL SPATIAL NEGLECT AND THE IMPACT OF AGING ON SYMPTOM SEVERITY	14:00 - 14:00
	<i>Speaker:</i> Daisuke Ishii (Japan)	
PS04-27PM-117	ACTING FROM THE HEART: BEHAVIOR AND COGNITIVE FUNCTION OF RATS WITH HEART FAILURE WITH PRESERVED EJECTION FRACTION AND EMPAGLIFLOZIN EFFECTS	14:00 - 14:00
	<i>Speaker:</i> Débora Inês Vilas Boas Costa (Portugal)	
PS04-27PM-118	PHENOTYPING OF AGING SPRAGUE-DAWLEY RATS: EXPLORING THE RELATIONSHIP BETWEEN SOCIAL BEHAVIOR AND LOCOMOTOR ACTIVITY	14:00 - 14:00
	<i>Speaker:</i> Jovana Arandelović (Serbia)	
PS04-27PM-119	ENGAGING THE DELAYED NON-MATCH TO POSITION TASK IN RATS AS A TEST OF INFLAMMATORY INDUCED COGNITIVE	14:00 - 14:00

IMPAIRMENT AND MODEL TO ASSESS PRO-COGNITIVE ANTI-INFLAMMATORY AGENTS

Speaker: Matthew McAuslan (Ireland)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Signalling Cascades in Age related Pathogenesis

PS04-27PM-304 **STUDY OF THE INTERACTION BETWEEN MICROGLIA AND ENDOTHELIAL CELLS IN AN ALZHEIMER'S DISEASE MOUSE MODEL** 14:00 - 14:00

Speaker: Juan Luis López Ogáyar (Spain)

PS04-27PM-305 **MICROGLIAL DEPLETION STRATEGIES AS A PROMISING TOOL TO DESIGN POTENTIAL THERAPIES FOR ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Clara García Mayor (Spain)

PS04-27PM-306 **AGED MICROGLIA IN ALZHEIMER'S DISEASE DISPLAY A SENESCENT AND PRO-INFLAMMATORY PROFILE ASSOCIATED WITH MITOCHONDRIAL OXIDATIVE STRESS** 14:00 - 14:00

Speaker: Vicente Roca Agujetas (Spain)

PS04-27PM-307 **ACTIVATION OF NOTCH PATHWAY IN BRAIN ENDOTHELIAL CELLS AMELIORATES VASCULAR ABNORMALITIES IN ALZHEIMER'S DISEASE MOUSE MODELS** 14:00 - 14:00

Speaker: Silvia Quiñones Cañete (Spain)

PS04-27PM-308 **MICROGLIA MITOCHONDRIAL COMPLEX I DEFICIENCY DURING DEVELOPMENT INDUCES GLIAL DYSFUNCTION AND EARLY LETHALITY** 14:00 - 14:00

Speaker: Nicolás Capelo Carrasco (Spain)

PS04-27PM-309 **GNRH AND MIR-200B TREATMENTS BOOST COGNITION IN DOWN SYNDROME** 14:00 - 14:00

Speaker: María Manfredi-Lozano (France)

PS04-27PM-310 **3D ORGANIZATION OF MICROGLIA IN PHYSIOLOGY AND NEURODEGENERATION** 14:00 - 14:00

Speaker: Mora Romero (Spain)

PS04-27PM-311 **NUCLEOPORIN 153 DEFICIENCY IN ADULT NEURAL STEM CELLS DEFINES A PATHOLOGICAL PROTEIN-NETWORK SIGNATURE AND DEFECTIVE NEUROGENESIS IN A MOUSE MODEL OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Alessia Bertozzi (Italy)

PS04-27PM-312 **ROLE OF HDAC4 IN PRE- AND POST-SYNAPTIC PROTEIN SUMOYLATION IMBALANCE IN A MOUSE MODEL OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Claudia Colussi (Italy)

PS04-27PM-313 **FUNCTIONAL INTERACTIONS BETWEEN ASTROCYTE-DERIVED SFRP1 AND IDENTIFIED RISK FACTORS FOR ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Marcos Martínez (Spain)

PS04-27PM-314 **POTENTIAL ROLE OF THE INTESTINAL MICROBIOTA IN ALZHEIMER'S DISEASE PROGRESSION THROUGH SCFA GLIAL MODULATION** 14:00 - 14:00

Speaker: Pablo Miaja (Spain)

PS04-27PM-315 **IDENTIFICATION OF SEX-SPECIFIC AUTOPHAGY ENHANCERS FOR DEMENTIA** 14:00 - 14:00

Speaker: Brunella Mongiardi (Italy)

PS04-27PM-316	HOW MANY SHORT-TERM MEMORIES BECOME LONG-TERM? UNVEILING THE ANSWER THROUGH THE STUDY OF SEX DIFFERENCES	14:00 - 14:00
	<i>Speaker:</i> Diletta Cavezza (Italy)	
PS04-27PM-317	PHARMACOLOGICAL STIMULATION OF AUTOPHAGY TO RESCUE PROTEINOPATHY AND COGNITIVE DECLINE IN LYSOSOMAL STORAGE DISORDERS	14:00 - 14:00
	<i>Speaker:</i> Cristina Somma (Italy)	
PS04-27PM-318	THE MICROGLIAL MODULATION OF A MEMORY ENGRAM IN THE CONTEXT OF ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Niek Renckens (Netherlands)	
PS04-27PM-320	STUDY THE ROLE OF MICROGLIA IN ALZHEIMER'S DISEASE WITH HUMAN IPSC-DERIVED MICROGLIA CELLS	14:00 - 14:00
	<i>Speaker:</i> Coralie Clua Provost (France)	
PS04-27PM-321	SHORT-TERM CD8⁺ T CELLS ABLATION REDUCES MICROGLIOSIS IN THE HIPPOCAMPUS OF OLD APP/PS1 ANIMALS	14:00 - 14:00
	<i>Speaker:</i> Marco Zattoni (Austria)	
PS04-27PM-322	ABERRANT MICROGLIAL ACTIVATION IN MICE LACKING THE DSRNA EDITING ENZYME ADAR1 IS RESCUED BY REMOVING THE GENE ENCODING PKR	14:00 - 14:00
	<i>Speaker:</i> Valentina Lacovich Strasil (Czech Republic)	
PS04-27PM-323	DECIPHERING DEVELOPMENTAL-AGING MECHANISMS IN CELL CULTURE: ABERRANT ADNP CYTOPLASMIC-NUCLEAR CROSSTALK AND NAP (DAVUNETIDE) PROTECTION	14:00 - 14:00
	<i>Speaker:</i> Maram Ganaiem (Israel)	
PS04-27PM-324	INVESTIGATING THE MOLECULAR MECHANISMS INVOLVED IN EARLY EVENTS OF CELLULAR DYSFUNCTION IN ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Muhammad Saif (United Kingdom)	
PS04-27PM-325	TREATMENT OF NP106-EXPRESSING ADENO-ASSOCIATED VIRUS IN MICROGLIA-MEDIATED AB CLEARANCE AND BEHAVIORAL DEFICITS IN APP/PS1 MICE	14:00 - 14:00
	<i>Speaker:</i> Yu-Ling Gan (Taiwan)	
PS04-27PM-326	PM20D1-DERIVED N-ACYL AMINO ACIDS INCREASE MICROGLIA ASSOCIATION WITH AMYLOID PLAQUES AND NEURONAL FITNESS	14:00 - 14:00
	<i>Speaker:</i> Victoria Pozzi-Ruiz (Spain)	
PS04-27PM-327	NEURODEGENERATION RISK FACTORS' INTERPLAY: CHARACTERIZATION OF APOE3 AND APOE4 GENOTYPE UPON CHRONIC INFLAMMATION	14:00 - 14:00
	<i>Speaker:</i> Séfora Barberà Parada (Spain)	
PS04-27PM-328	ROLE OF N6-METHYLADENOSINE (M6A) MODIFICATIONS IN ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Andrea Agüera-Lorente (Spain)	
PS04-27PM-329	MICROGLIAL SENEESCENCE: UNRAVELING THE LINK TO AGING-RELATED NEURODEGENERATION IN ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Gyun Jee Song (Korea, Republic of)	
PS04-27PM-330	EXPLORING NEUROINFLAMMATION AND NEURONAL CA²⁺ EXCITABILITY IN AN ALZHEIMER'S DISEASE MOUSE MODEL	14:00 - 14:00
	<i>Speaker:</i> Martina Bedetta (Italy)	
PS04-27PM-331	MICROGLIA DISPLAY A BI-PHASIC EFFECT IN AMYLOIDOSIS	14:00 - 14:00
	<i>Speaker:</i> Nora Baligacs (Belgium)	

PS04-27PM-332	OPCS-MICROGLIA CROSS-TALK IN ALZHEIMER'S DISEASE: ROLES AND MECHANISMS	14:00 - 14:00
	<i>Speaker:</i> Yu tong Du (China)	
PS04-27PM-333	ESTABLISHMENT AND CHARACTERIZATION OF HUMAN APOE, APP AND PS1 KNOCK-IN MICE	14:00 - 14:00
	<i>Speaker:</i> Eunae Kim (Korea, Republic of)	
PS04-27PM-335	EXACERBATION OF ALZHEIMER'S NEURODEGENERATION DUE TO AB - NETOSIS CROSS-TALK IS RESCUED BY G6PD PHARMACOLOGICAL INHIBITION IN NEUTROPHILS	14:00 - 14:00
	<i>Speaker:</i> Laura Marchetti (Italy)	
PS04-27PM-336	USING HUMAN IPSC-DERIVED MICROGLIA TO STUDY THE FUNCTION OF THE HUMAN SPECIFIC NICOTINIC RECEPTOR SUBUNIT, CHRFA7A, IN-VITRO AND IN-VIVO	14:00 - 14:00
	<i>Speaker:</i> Michiel Van der Zwan (France)	
PS04-27PM-337	PML IS INVOLVED IN MICROGLIA FUNCTIONS IN NEUROINFLAMMATION AND NEURODEGENERATION	14:00 - 14:00
	<i>Speaker:</i> Sirago Spanou (Greece)	
PS04-27PM-338	MICROGLIAL METABOLISM AND IMMUNE FUNCTION ARE PIVOTAL FACTORS IN SEXUAL DIMORPHISM IN ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Eoin O'Neill (Ireland)	
PS04-27PM-339	IN VITRO AND IN VIVO TARGETING OF AMYLOID-BETA OLIGOMERS THROUGH INTRABODIES: TOWARDS AN INNOVATIVE GENE IMMUNOTHERAPY FOR ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Laura Coppola (Italy)	
PS04-27PM-340	MONOAMINE SIGNALING ALTERATIONS TRIGGER NEUROINFLAMMATION AND ALZHEIMER'S DISEASE-LIKE HIPPOCAMPAL DEFICITS	14:00 - 14:00
	<i>Speaker:</i> Livia La Barbera (Italy)	
PS04-27PM-341	NERVE GROWTH FACTOR INFLUENCES MICROGLIAL ACTIVITY VIA TRKA	14:00 - 14:00
	<i>Speaker:</i> Elea Coulomb (Italy)	
PS04-27PM-342	TARGETING CONNEXIN HEMICHANNELS AND THE INFLAMMASOME RESPONSE IN AN ACUTE MOUSE MODEL OF ALZHEIMER'S DISEASE	14:00 - 14:00
	<i>Speaker:</i> Aimee Mills (New Zealand)	
PS04-27PM-343	HUMAN MICROGLIA CELLS IN ALZHEIMER DISEASE DERIVED BRAIN ORGANIDS. CAN IT BE A GOOD MODEL?	14:00 - 14:00
	<i>Speaker:</i> Eva Cano (Spain)	
PS04-27PM-344	EXPLORING SYNERGISTIC MIRNA THERAPY FOR ALZHEIMER'S: AAV-MEDIATED DELIVERY OF MIR-124 AND MIR-132	14:00 - 14:00
	<i>Speaker:</i> Oliver Polzer (Netherlands)	
PS04-27PM-345	SPECIFIC TARGETING MICROGLIA AND OLIGODENDROCYTE BY THREE DIFFERENT VIRUS LIBRARIES	14:00 - 14:00
	<i>Speaker:</i> Lei Jin (China)	
PS04-27PM-346	ADAR THERAPEUTIC TO TACKLE NEURODEGENERATIVE DISORDERS	14:00 - 14:00
	<i>Speaker:</i> Matteo Bertoli (Italy)	
PS04-27PM-347	PRECISION GENE THERAPY FOR ALZHEIMER'S DISEASE: ENHANCING AMYLOID-β CLEARANCE AT THE BRAIN ENDOTHELIUM WITH SUPER-SELECTIVE NANOCARRIERS	14:00 - 14:00

Speaker: Cátia Lopes (Spain)

PS04-27PM-348 **ANALYSIS OF NR4A2-RELATED MIRNAS IN ALZHEIMER'S DISEASE BIOLOGICAL SAMPLES** 14:00 - 14:00

Speaker: Alfredo J. Miñano-Molina (Spain)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Memory Encoding and Consolidation Mechanisms

PS04-27PM-001 **ASSOCIATION BETWEEN A PREVIOUSLY REMEMBERED CONTEXT AND AN AVERSIVE EXPERIENCE IS ACCOMPANIED BY REPEATED ACTIVATIONS OF THE SAME CONTEXT ENGRAM NEURONS THROUGHOUT THE BRAIN** 14:00 - 14:00

Speaker: Olga Ivashkina (Russian Federation)

PS04-27PM-002 **BEARMIND: A PIPELINE FOR BATCH EXAMINATION & ANALYSIS OF RAW MINISCOPE NEURAL DATA** 14:00 - 14:00

Speaker: Vladimir Sotskov (France)

PS04-27PM-003 **THE EFFECTS OF ASSOCIATIVE LEARNING ON NEURONAL ACTIVITY AND FUNCTIONAL CONNECTIONS IN THE MOUSE BRAIN RESTING STATE NETWORKS** 14:00 - 14:00

Speaker: Ksenia Toropova (Russian Federation)

PS04-27PM-004 **FAST GRADIENT-FREE ACTIVATION MAXIMIZATION FOR NEURONS IN SPIKING NEURAL NETWORKS** 14:00 - 14:00

Speaker: Nikita Pospelov (Russian Federation)

PS04-27PM-005 **LINKS BETWEEN NOVELTY, C-FOS EXPRESSION AND HIPPOCAMPAL CALCIUM ACTIVITY IN MICE** 14:00 - 14:00

Speaker: Olga Rogozhnikova (Russian Federation)

PS04-27PM-006 **COGNITIVELY SPECIALIZED NEURONS IN SOCIAL TRANSMISSION OF FOOD PREFERENCE IN MICE** 14:00 - 14:00

Speaker: viktor plusnin (Russian Federation)

PS04-27PM-007 **SELF-DEGRADATION OF MEMORY IN ALZHEIMER'S DISEASE: EXPERIMENTAL TESTING OF THE HYPOTHESIS AND SEARCH FOR METHODS OF NEUROPROTECTION** 14:00 - 14:00

Speaker: Konstantin Anokhin (Russian Federation)

PS04-27PM-008 **ENGRAM SPECIFIC SYNAPTIC POTENTIATION IS IMPORTANT FOR FEAR MEMORY FORMATION AND EXPRESSION IN VIVO** 14:00 - 14:00

Speaker: Matteo Saderi (Canada)

PS04-27PM-009 **THE ROLE OF LOCAL AND LONG-RANGE MPFC CONNECTIONS IN THE CONSOLIDATION OF MEMORIES** 14:00 - 14:00

Speaker: Ali Golbabaie (Canada)

PS04-27PM-010 **TEMPORAL DYNAMICS OF NEURONAL EXCITABILITY IN THE LATERAL AMYGDALA MEDIATES ALLOCATION TO AN ENGRAM SUPPORTING CONDITIONED FEAR MEMORY** 14:00 - 14:00

Speaker: Annelies Hoorn (Canada)

PS04-27PM-011 **EXERCISE ACCELERATES PLACE CELL REPRESENTATIONAL DRIFT** 14:00 - 14:00

Speaker: Mitchell de Snoo (Canada)

PS04-27PM-012 **CRISPR-BASED EPIGENETIC EDITING OF ENGRAM CELLS IN FEAR MEMORIES** 14:00 - 14:00

Speaker: Davide Martino Coda (Switzerland)

PS04-27PM-013 **WHAT IS LONG-TERM MEMORY? INVESTIGATING THE NEURONAL STRUCTURES AND MOLECULAR MECHANISMS OF** 14:00 - 14:00

MEMORY STORAGE IN ENGRAM CELLS*Speaker:* Isabella Tarulli (Switzerland)

PS04-27PM-014 **MOLECULAR MECHANISMS OF REMOTE FEAR MEMORY EXTINCTION** 14:00 - 14:00

Speaker: Lisa Watt (Switzerland)

PS04-27PM-015 **MOLECULAR REPROGRAMMING OF ENGRAM CELLS RESCUES MEMORY IN AD** 14:00 - 14:00

Speaker: Gabriel Berdugo Vega (Switzerland)

PS04-27PM-016 **EXPLORING ALZHEIMER'S EPIGENETIC LANDSCAPE** 14:00 - 14:00

Speaker: Rebecca Toscano Rivalta (Switzerland)

PS04-27PM-017 **MAPPING THE INTERHEMISPHERIC CONNECTIVITY BETWEEN PREMOTOR AREAS AND PRIMARY MOTOR CORTEX: A DUAL-SITE TMS STUDY** 14:00 - 14:00

Speaker: Larissa Chiu (Canada)

PS04-27PM-018 **SYNAPSE-SPECIFIC INVESTIGATION OF THE SINGLE-CELL GENE REGULATORY DYNAMICS TO REVEAL THE MOLECULAR BASIS OF PLASTICITY IN AVERSIVE MEMORY FORMATION** 14:00 - 14:00

Speaker: Valentina Khalil (Denmark)

PS04-27PM-019 **RECORDING CELLULAR MEMORY TO UNVEIL THE MECHANISM OF BRAIN MEMORY** 14:00 - 14:00

Speaker: Taro Kitazawa (Denmark)

PS04-27PM-020 **ENGRAM COMPETITION MODULATES INFANT MEMORY EXPRESSION IN DEVELOPMENT** 14:00 - 14:00

Speaker: Louisa Zielke (Ireland)

PS04-27PM-021 **THE INTERACTION OF LEARNING AND EVOLUTION IN INNATE OLFATORY BEHAVIOUR OF *MUS MUSCULUS* AND *MUS CAROLI*** 14:00 - 14:00

Speaker: Paul Conway (Ireland)

PS04-27PM-022 **MEMORY ACROSS GENERATIONS: DISSECTING CONTEXTUAL MEMORY ENSEMBLES OF YOUNG AND AGED MICE** 14:00 - 14:00

Speaker: Elif Gizem Kain (Germany)

PS04-27PM-023 **ACUTE CIRCADIAN RHYTHM DISTURBANCE IMPAIRS CONTEXTUAL-MEMORY ENGRAMS IN THE DENTATE GYRUS** 14:00 - 14:00

Speaker: Harini Srinivasan (Germany)

PS04-27PM-024 **AMYGDALAR REGULATION OF MEMORY ENGRAMS IN THE HIPPOCAMPUS: SPOTLIGHT ON SEX DIFFERENCES** 14:00 - 14:00

Speaker: Sara Enrile Lacalle (Germany)

PS04-27PM-025 **WHOLE BRAIN MAPPING OF ENGRAM DISTRIBUTION AND STABILITY** 14:00 - 14:00

Speaker: Miguel Fuentes Ramos (Spain)

PS04-27PM-026 **VAULTS AS TRAFFICKING GRANULES IN FEAR LEARNING** 14:00 - 14:00

Speaker: Mason Musgrove (Australia)

PS04-27PM-027 **HIPPOCAMPAL DNA METHYLATION PROCESSES PROMOTE MEMORY PERSISTENCE BY FACILITATING SYSTEMS CONSOLIDATION AND CORTICAL ENGRAM STABILISATION** 14:00 - 14:00

Speaker: Janina Kupke (Germany)

PS04-27PM-028 **THE DYNAMIC NATURE OF MEMORY: HETEROSYNAPTIC PLASTICITY AND THE TEMPORAL RULES OF MEMORY COOPERATION AND COMPETITION** 14:00 - 14:00

Speaker: Rosalina Fonseca (Portugal)

PS04-27PM-029 **THE PROTEOMIC ARCHITECTURE OF THE SYNAPTIC ENGRAM** 14:00 - 14:00

SUPPORTING CONTEXT MEMORY*Speaker:* Biswajit Moharana (Netherlands)

PS04-27PM-030 **BASOLATERAL AMYGDALA ACTIVITY PHASE-LOCKED TO NEOCORTICAL SLOW WAVES UNDERLIES FEAR MEMORY CONSOLIDATION** 14:00 - 14:00

Speaker: Yu Sato (Japan)

PS04-27PM-031 **UNDERSTANDING THE ROLE OF THE HIPPOCAMPAL-THALAMIC-CORTICAL COORDINATION IN MEMORY CONSOLIDATION** 14:00 - 14:00

Speaker: Muhang Li (Japan)

PS04-27PM-032 **NEURONAL PERK EXPRESSION IN AMYGDALA SUBREGIONS REVEALS DIFFERENTIAL ENCODING OF FEAR MEMORY STRENGTH IN A MOUSE MODEL OF PTSD** 14:00 - 14:00

Speaker: Fionnghuala James (Australia)

PS04-27PM-033 **SUBCORTICAL THREATS PROCESSING AND NON-HEBBIAN CONSOLIDATION OF TRANSIENT EXPERIENCES** 14:00 - 14:00

Speaker: Islam Faress (Denmark)

PS04-27PM-034 **ENCODING AND RETRIEVAL OF A CONTEXTUAL FEAR MEMORY EVOKE DIVERGENT EXPRESSION OF IMMEDIATE-EARLY GENES ARC AND C-FOS** 14:00 - 14:00

Speaker: Nicholas Bulthuis (United States)

PS04-27PM-035 **A MULTIPLE ARC TAGGING SYSTEM TO INVESTIGATE THE EFFECT OF PSILOCYBIN ON FEAR MEMORY EXTINCTION** 14:00 - 14:00

Speaker: Alessandra Franceschini (United States)

PS04-27PM-036 **EXPLORE THE TEMPORAL ADVANCES OF MEMORY AMPLIFICATION MECHANISM AND TARGET TO SUPPRESS ITS EFFECT BY POTENTIAL PHARMACOLOGICAL INTERVENTION.** 14:00 - 14:00

Speaker: Ashutosh Ahire (Israel)

PS04-27PM-037 **VIRAL VECTOR MANIPULATION OF NEURONS ACTIVATED BY FEAR LEARNING IN THE CENTROMEDIAL AMYGDALA** 14:00 - 14:00

Speaker: Neha Acharya (Spain)

PS04-27PM-038 **NEURONAL TYPES IN THE MOUSE AMYGDALA AND THEIR TRANSCRIPTIONAL STATES IN FEAR MEMORY** 14:00 - 14:00

Speaker: Hannah Hochgerner (Israel)

PS04-27PM-039 **REVEALING HIDDEN TARGETS IN MEMORY ASSEMBLIES: THE MINIMAL ENGRAM FOR CONTEXTUAL MEMORY ENCODING** 14:00 - 14:00

Speaker: Raquel Garcia Hernandez (Spain)

PS04-27PM-040 **INDIRECT MODULATION OF NEGATIVE VISUAL MEMORIES** 14:00 - 14:00

Speaker: Stas Kozak (Israel)

PS04-27PM-041 **NEURONAL ENSEMBLES OF ALCOHOL MEMORIES IN THE NUCLEUS ACCUMBENS EXPRESS A UNIQUE TRANSCRIPTIONAL FINGERPRINT** 14:00 - 14:00

Speaker: Segev Barak (Israel)

PS04-27PM-042 **POTENTIAL ROLE FOR MICRORNA REGULATION IN THE TUNING OF ENGRAM RECRUITMENT DURING FEAR MEMORY CONSOLIDATION** 14:00 - 14:00

Speaker: Prakruti Nanda (Switzerland)

PS04-27PM-043 **SO EXCITED TO SEE YOU! VISUAL OBJECT-IN-PLACE LEARNING INCREASES NEURONAL EXCITABILITY IN LATERAL ENTORHINAL CORTEX ENGRAM CELLS** 14:00 - 14:00

Speaker: Paul Banks (United Kingdom)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 04 - Late-Breaking Abstracts

- PS04-27PM-593 **INTEGRITY OF NEURAL EXTRACELLULAR MATRIX IS REQUIRED FOR MICROGLIA-MEDIATED SYNAPTIC REMODELING** 14:00 - 14:00
Speaker: Carla Cangalaya (Germany)
- PS04-27PM-594 **BASSOON IS NECESSARY FOR ADULT OCULAR DOMINANCE PLASTICITY AND INACTIVITY-INDUCED PRESYNAPTIC SCALING** 14:00 - 14:00
Speaker: Anna Fejtova (Germany)
- PS04-27PM-595 **LOW ACTION POTENTIAL FIRING THRESHOLD FACILITATES “IN-OUT” -FUNCTION OF FAST-SPIKING INTERNEURONS IN THE HUMAN NEOCORTEX** 14:00 - 14:00
Speaker: Emőke Bakos (Hungary)
- PS04-27PM-596 **MEMBRANE POTENTIAL UP/DOWN-STATES ENHANCE SYNAPTIC TRANSMISSION IN THE HUMAN NEOCORTEX - A FRAMEWORK FOR MEMORY CONSOLIDATION DURING SLOW WAVE SLEEP** 14:00 - 14:00
Speaker: Franz Xaver Mittermaier (Germany)
- PS04-27PM-597 **RIM-BINDING PROTEIN REGULATES P/Q-CA²⁺-CHANNEL FUNCTION AT CENTRAL SYNAPSES** 14:00 - 14:00
Speaker: Malgorzata Lubas (Germany)
- PS04-27PM-598 **ACTIVATION OF CA²⁺-PERMEABLE AMPARS AND INTRACELLULAR CALCIUM STORES ARE REQUIRED FOR STRUCTURAL PLASTICITY INDUCED BY STBS IN THE MOUSE HIPPOCAMPUS** 14:00 - 14:00
Speaker: Laura Koek (United States)
- PS04-27PM-599 **NANOSCALE REORGANIZATION OF AXO-AXONIC SYNAPSES AT THE AXONAL INITIAL SEGMENT DRIVEN BY NETWORK ACTIVITY** 14:00 - 14:00
Speaker: Vincenzo Mastrolia (United Kingdom)
- PS04-27PM-600 **EXCITATORY AND INHIBITORY SYNAPSES SHOW A TIGHT SUBCELLULAR CORRELATION THAT WEAKENS OVER DEVELOPMENT** 14:00 - 14:00
Speaker: Guilherme Neves (United Kingdom)
- PS04-27PM-601 **UNIQUE POTENTIAL OF IMMATURE ADULT-BORN NEURONS FOR THE REMODELING OF CA3 SPATIAL MAPS** 14:00 - 14:00
Speaker: Matias Mugnaini (Germany)
- PS04-27PM-602 **TWO FORMS OF PRESYNAPTIC SPIKE TIMING-DEPENDENT DEPRESSION AT ENTORHINAL CORTEX-HIPPOCAMPAL SYNAPSES ARE MEDIATED BY ASTROCYTE ACTIVITY** 14:00 - 14:00
Speaker: Irene Martínez Gallego (Spain)
- PS04-27PM-603 **ASTROGLIAL NETWORKS SHAPE COLLICULAR VISUAL MAPS** 14:00 - 14:00
Speaker: Flora Boutet (France)
- PS04-27PM-604 **STUDY OF EXCITATORY/INHIBITORY BALANCE IN THE HIPPOCAMPUS OF A TRANSGENIC MOUSE MODEL OF ALZHEIMER DISEASE** 14:00 - 14:00
Speaker: Floriane Payet (France)
- PS04-27PM-605 **DIECKOL AS A NOVEL NEUROPROTECTIVE CANDIDATE WITH COGNITION IMPROVEMENT AND MULTIFACETED MECHANISMS IN ALZHEIMER'S DISEASE MOUSE MODEL** 14:00 - 14:00
Speaker: Mira Jun (Korea, Republic of)
- PS04-27PM-606 **PINOCEMBRIN REGULATED GSK-3B/WNT/B-CATENIN SIGNALING PATHWAY: A NOVEL MECHANISM FOR AB-MEDIATED NEURONAL APOPTOSIS** 14:00 - 14:00

Speaker: Kumju Youn (Korea, Republic of)

PS04-27PM-607 **INFLUENCE OF THE APOE4 RISK FACTOR ON HIPPOCAMPAL EPIGENETIC AND TRANSCRIPTOMIC SIGNATURES IN A PHYSIOLOGICAL AND PATHOLOGICAL ENVIRONMENT INDICATIVE OF DEMENTIA WITH LEWY BODIES (DLB)** 14:00 - 14:00

Speaker: Iris Grgurina (France)

PS04-27PM-608 **ALZHEIMER-LIKE B-AMYLOID PLAQUES IN THE BRAIN OF A STRIPED DOLPHIN** 14:00 - 14:00

Speaker: Carlotta Tessarolo (Italy)

PS04-27PM-609 **USING PHOTOPHARMACOLOGY AS A TOOL TO STUDY MGLU5 HIPPOCAMPAL ASYMMETRY IN AD MICE** 14:00 - 14:00

Speaker: Charleine Zussy (France)

PS04-27PM-610 **TAU SPREADING IN ALZHEIMER'S DISEASE MODELS IS FACILITATED BY THE AMYLOID-B PRECURSOR PROTEIN** 14:00 - 14:00

Speaker: Magdalena Przybyla (Australia)

PS04-27PM-611 **CONTRIBUTION OF CGAS-P2X2 CROSSTALK ON SYNAPTIC FAILURE AND MITOCHONDRIAL DYSFUNCTION INDUCED BY B-AMYLOID OLIGOMERS** 14:00 - 14:00

Speaker: Jorge Fuentealba (Chile)

PS04-27PM-612 **DISSECTING THE ROLE OF ANDROGEN RECEPTOR IN THE CENTRAL NERVOUS SYSTEM** 14:00 - 14:00

Speaker: Elisa Bregolin (Italy)

PS04-27PM-613 **DISCOVERY OF NOVEL HDAC11 INHIBITORS THAT SIGNIFICANTLY AMELIORATE ALZHEIMER'S PATHOLOGY IN DISEASE MODELS** 14:00 - 14:00

Speaker: Can Zhang (United States)

PS04-27PM-614 **VIRUS-MEDIATED BRAIN-WIDE EXPRESSION OF SOLUBLE AMYLOID PRECURSOR PROTEIN-ALPHA OR ITS BIOACTIVE C-TERMINAL DOMAIN REVERSES DISEASE-LIKE SYMPTOMS IN AN ALZHEIMER'S DISEASE MOUSE MODEL** 14:00 - 14:00

Speaker: Bruce Mockett (New Zealand)

PS04-27PM-615 **A HUMAN ISOGENIC PLURIPOTENT STEM CELL SYSTEM FOR DETERMINING THE ROLE OF SEX CHROMOSOMES ON MICROGLIA FUNCTION IN ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Noemi Gatto (United Kingdom)

PS04-27PM-616 **IMMEDIATE-EARLY GENES: KEY INFLUENCERS IN GENETIC NETWORKS AND THEIR ROLE IN ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Margarita Zachariou (Cyprus)

PS04-27PM-617 **EYE MOVEMENTS ABNORMALITIES AS EARLY BIOMARKERS OF ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Andrea Zangrossi (Italy)

PS04-27PM-618 **TELENCEPHALIC STAB WOUND INJURY INDUCES REGENERATIVE ANGIOGENESIS AND NEUROGENESIS IN ZEBRAFISH: UNVEILING THE ROLE OF MICROGLIA ALONG WITH VEGF AND ITS EXPRESSION** 14:00 - 14:00

Speaker: Danielle Fernezelian (France)

PS04-27PM-619 **A STUDY OF PERIPHERAL MECHANISMS OF SCALP ACUPUNCTURE ON STROKE ANIMAL MODEL** 14:00 - 14:00

Speaker: O Sang Kwon (Korea, Republic of)

PS04-27PM-620 **INHIBITION OF GLIAL SCAR FORMATION AFTER SPINAL CORD INJURY IN NOGGIN CONDITIONAL KNOCKOUT MICE AND BY ANTI-NOGGIN ANTIBODY TREATMENT** 14:00 - 14:00

Speaker: Satoru Yamagishi (Japan)

PS04-27PM-621 **THOROUGH BEHAVIOURAL CHARACTERIZATION OF ZEBRAFISH MODELS ACROSS PARKINSON'S DISEASE PROGRESSION** 14:00 - 14:00

Speaker: Tanita Maria Tzotzolaki (France)

PS04-27PM-622 **LONGITUDINAL STUDY OF DELAYED CEREBRAL ISCHEMIA IN MICE USING DAILY FUNCTIONAL ULTRASOUND (FUS) IMAGING AND GAIT ANALYSIS** 14:00 - 14:00

Speaker: Barthe Louis (France)

PS04-27PM-623 **DISSECTING THE EFFECTS OF DISTINCT VTA PROJECTIONS ON PERIPHERAL IMMUNITY** 14:00 - 14:00

Speaker: Itay Zalayat (Israel)

PS04-27PM-624 **THE BIOPHYSICAL MECHANISM UNDERLYING EPIGENETICALLY INHERITED STRESS RESPONSE/UNPREDICTABILITY LEARNING** 14:00 - 14:00

Speaker: Alaa Saleh (Israel)

Open Theatre (OT)

14:15 - 14:45

OT

OT08 - Nikon Commercial Solution Multiphoton Microscope

Open Theatre (OT)

15:00 - 15:30

OT

OT09 - Iconeus One: Pioneering Real-time Whole-Brain Imaging with Functional Ultrasound

Scientific Symposia (S)

15:45 - 17:15

A

S25 - Neuromodulatory correlates of continual learning: Bridging biological and artificial neural networks

Chair: Srikanth Ramaswamy (Newcastle University, United Kingdom)

Chair: Anita Disney (Duke University School of Medicine, United States)

Introduction

15:45 - 15:47

Multi-agent reinforcement learning in the brain

15:47 - 16:05

Speaker: Naoshige Uchida (Harvard University, United States)

Q&A

16:05 - 16:09

Dopamine and causal learning

16:09 - 16:27

Speaker: Vijay Mohan K Namboodiri (University of California San Francisco, United States)

Q&A

16:27 - 16:31

Neuromodulatory regulation of song learning through social vocal communication in zebra finches

16:31 - 16:49

Speaker: Yoko Yazaki-Sugiyama (Okinawa Institute of Science and Technology (OIST) Graduate University, Japan)

Q&A

16:49 - 16:53

Neuromodulation-aware cortical neural networks for continual learning

16:53 - 17:11

Speaker: Srikanth Ramaswamy (Newcastle University, United Kingdom)

Q&A

17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

B

S26 - What is memory? An ensemble of molecular, cellular and computational answers*Chair:* Johannes Gräff (EPFL, Switzerland)*Chair:* Sylvie Lesuis (University of Amsterdam, Netherlands)**Introduction**

15:45 - 15:47

Engram allocation to a spatial memory: Insights into memory formation

15:47 - 16:05

Speaker: Sylvie Lesuis (University of Amsterdam, Netherlands)**Q&A**

16:05 - 16:09

Neural circuits for encoding and comparing aversive memories

16:09 - 16:27

Speaker: Stéphanie Trouche (INSERM, France)**Q&A**

16:27 - 16:31

DNA-templated memory aids

16:31 - 16:49

Speaker: Johannes Gräff (EPFL, Switzerland)**Q&A**

16:49 - 16:53

A memory by thousand rules: Automated searches reveal variety & degeneracy at the heart of learning

16:53 - 17:11

Speaker: Tim Vogels (IST Austria, Austria)**Q&A**

17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

C

S27 - The dynamic interplay of mechanical and molecular processes in brain folding*Chair:* Roberto Toro (Institut Pasteur, Université Paris Cité, France)*Chair:* Katja Heuer (Institut Pasteur, Université Paris Cité, France)**Introduction**

15:45 - 15:47

Epigenetic and cellular regulation of cortex expansion and folding

15:47 - 16:05

Speaker: Victor Borrell (CSIC, Spain)**Q&A**

16:05 - 16:09

An Evo-Devo perspective on cortical interneuron migration in the forebrain

16:09 - 16:27

Speaker: Laurent, H, P Nguyen (University of Liège, Belgium)**Q&A**

16:27 - 16:31

The mechanical regulation of brain development

16:31 - 16:49

Speaker: Kristian Franze (Max-Planck-Zentrum für Physik und Medizin, Germany)**Q&A**

16:49 - 16:53

Physical and phylogenetic determinants of brain organisation: The Tufted capuchin anomaly

16:53 - 17:11

Speaker: Katja Heuer (Institut Pasteur, Université Paris Cité, France)**Q&A**

17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

D

S28 - Beyond space: Hippocampal representations of novelty and reward*Chair:* Attila Losonczy (Losonczy Lab, Zuckerman Institute, Columbia University, United States)*Chair:* Charlotte N. Boccara (Systems Neuroscience & Sleep, Centre for Molecular Medicine Norway, University of Oslo, Norway)**Introduction**

15:45 - 15:47

Learning compressed representations in the hippocampus during new experience.

15:47 - 16:05

Speaker: James B. Priestley (École polytechnique fédérale de Lausanne (EPFL), Switzerland)**Q&A**

16:05 - 16:09

Signatures of familiar and novel contextual information in hippocampal CA1.

16:09 - 16:27

Speaker: Stefanie Poll (University Hospital Bonn, Germany)**Q&A**

16:27 - 16:31

Dynamic updating of the hippocampal reward representation.

16:31 - 16:49

Speaker: Marielena Sosa (Stanford University, United States)**Q&A**

16:49 - 16:53

A hippocampus-accumbens code guides goal-directed appetitive behaviour.

16:53 - 17:11

Speaker: Oliver Barnstedt (Leibniz Institute for Neurobiology, Germany)**Q&A**

17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

E

S29 - Protein Turnover in Health and Disease*Chair:* Susana R. Louros (University of Edinburgh, United Kingdom)*Chair:* Chao Sun (Danish Research Institute of Translational Neuroscience (DANDRITE), Aarhus University, Denmark)**Introduction**

15:45 - 15:47

Synapse diversity and the dynamic synaptome architecture

15:47 - 16:05

Speaker: Seth G. N. Grant (University of Edinburgh, United Kingdom)**Q&A**

16:05 - 16:09

Maintaining pre-synaptic proteostasis

16:09 - 16:27

Speaker: Marijn Kuijpers (Radboud University, Netherlands)**Q&A**

16:27 - 16:31

Synaptic Machinery for Protein Synthesis and Degradation

16:31 - 16:49

Speaker: Chao Sun (Danish Research Institute of Translational Neuroscience (DANDRITE), Aarhus University, Denmark)**Q&A**

16:49 - 16:53

Cell-type Specific Protein Homeostasis in a Huntington's Disease Mouse Model

16:53 - 17:11

Speaker: Beatriz Alvarez-Castelao (Complutense University of Madrid, Spain)**Q&A**

17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

F

S30 - Genomic imprinting: An epigenetic phenomena critical to mammalian brain function*Chair:* Anthony Isles (Neuroscience and Mental Health Innovation Institute, Cardiff University, United Kingdom)*Chair:* Sacri Ferrón (Universitat de València, Spain)**Introduction**

15:45 - 15:47

Genomic imprinting and neurogenesis

15:47 - 16:05

Speaker: Sacri Ferrón (Universitat de València, Spain)**Q&A**

16:05 - 16:09

Imprinted genes and the control and evolution of parental care

16:09 - 16:27

Speaker: Anthony Isles (Neuroscience and Mental Health Innovation Institute, Cardiff University, United Kingdom)**Q&A**

16:27 - 16:31

A genomic imprinting ancestry study in modern humans and the adaptation to sleep-wake cycles

16:31 - 16:49

Speaker: Valter Tucci (Istituto italiano di tecnologia, Italy)**Q&A**

16:49 - 16:53

Imprinted genes shape hormonal imprinting in early life: a role in Prader-Willi syndrome

16:53 - 17:11

Speaker: Françoise Muscatelli (Institut de Neurobiologie de la Méditerranée, France)**Q&A**

17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

G

S31 - Mechanisms of astrocyte dysfunction in neurodegeneration*Chair:* Laura Civiero (University of Padova, Italy)*Chair:* Won-Suk Chung (Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Korea, Republic of)**Introduction**

15:45 - 15:47

Humanized models to understand astrocyte's contribution to Alzheimer's disease

15:47 - 16:05

Speaker: Amaia Arranz (Achucarro Basque Center for Neuroscience, Spain)**Q&A**

16:05 - 16:09

Mechanisms of glial pathology in Parkinson's disease

16:09 - 16:27

Speaker: Laura Civiero (University of Padova, Italy)**Q&A**

16:27 - 16:31

Astrocyte-neuron interaction in neurological disorders

16:31 - 16:49

Speaker: Nicola Allen (Salk Institute for Biological Studies, United States)**Q&A**

16:49 - 16:53

Phagocytic roles of astrocytes in Neurodegenerative diseases

16:53 - 17:11

Speaker: Won-Suk Chung (Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Korea, Republic of)**Q&A**

17:11 - 17:15

<i>Scientific Symposia (S)</i>		
15:45 - 17:15		H
S32 - Cerebrospinal fluid dynamics in health and disease		
<i>Chair:</i> Nathalie Jurisch-Yaksi (Norwegian University of Science and Technology, Norway)		
Introduction		15:45 - 15:47
Choroid plexus-targeted gene therapy to treat neurologic disease		15:47 - 16:05
<i>Speaker:</i> Maria K. Lehtinen (Boston Children's Hospital, United States)		
Q&A		16:05 - 16:09
The origin and functions of cerebrospinal fluid macrophages in health and disease		16:09 - 16:27
<i>Speaker:</i> Kiavash Movahedi (Vrije Universiteit Brussel, Belgium)		
Q&A		16:27 - 16:31
The glymphatic system and cerebrospinal fluid efflux pathways		16:31 - 16:49
<i>Speaker:</i> Iben Lundgaard (Lund University, Sweden)		
Q&A		16:49 - 16:53
Function of motile cilia-driven cerebrospinal fluid flow in the nervous system		16:53 - 17:11
<i>Speaker:</i> Nathalie Jurisch-Yaksi (Norwegian University of Science and Technology, Norway)		
Q&A		17:11 - 17:15
 <i>Award Ceremony (AC)</i>		
17:15 - 17:30		A
AC02 - ALBA-Roche Research Prize for Excellence in Neuroscience Ceremony		
 <i>Plenary Lecture (PL)</i>		
17:30 - 18:30		A
PL05 - Presidential Plenary Lecture, Kia Nobre (US)		
Introduction		17:30 - 17:35
Lecture and Q&A - Attention in memory: focusing in the past to face the future		17:35 - 18:30
<i>Speaker:</i> Kia Nobre (Yale University, United States)		
 <i>Networking Events (NE)</i>		
18:45 - 20:15		E
NE11 - Enhancing Global Partnerships in Brain Research		
Programme		18:45 - 18:45
Speakers		18:45 - 18:45
<i>Speaker:</i> George Barreto (Ireland)		
<i>Speaker:</i> John Ngai (United States)		
<i>Speaker:</i> Mahmoud Maina (United Kingdom)		
<i>Speaker:</i> Ulrike Bußhoff (Germany)		
 <i>Networking Events (NE)</i>		
18:45 - 20:15		F
NE12 - How to organise and respond to pressure to phase out animal experimentation in neuroscience		
Programme		18:45 - 18:45

Speakers	18:45 - 18:45
<i>Speaker:</i> Roger Adan (Netherlands)	
<i>Speaker:</i> Suzanne Dickson (Sweden)	
<i>Speaker:</i> Roman Stilling (Germany)	
<i>Speaker:</i> Sabine Hölter-Koch (Germany)	
<i>Speaker:</i> Nuno Gonçalves (Portugal)	
<i>Networking Events (NE)</i>	
18:45 - 20:15	G
NE13 - Science in a Space Environment: Neuroscience for human Space Exploration	
Speakers	18:45 - 18:45
<i>Speaker:</i> Christiane Hahn (Netherlands)	
<i>Speaker:</i> Pierre Denise (France)	
<i>Speaker:</i> Elisa Ferre (United Kingdom)	
<i>Speaker:</i> Christian Liemersdorf (Germany)	
<i>Speaker:</i> Peter zu Eulenburg (Germany)	
<i>Networking Events (NE)</i>	
18:45 - 20:15	H
NE14 - Annual General Meeting of the German Neuroscience Society (GNS)	
<i>Networking Events (NE)</i>	
18:45 - 20:15	RT
NE15 - Funny Brains - Science Communication via Comedy	
Speakers	18:45 - 18:45
<i>Speaker:</i> John Butler (Ireland)	
<i>Speaker:</i> Rebecca Ellis (United Kingdom)	
<i>Speaker:</i> Michele Marini (Belgium)	

Friday, 28 June 2024*Plenary Lecture (PL)*

08:30 - 09:30

A

PL06 - Plenary Lecture, Maurizio Corbetta (IT)**Introduction**

08:30 - 08:35

Lecture and Q&A - Architecture and function of spontaneous brain activity: health and pathology

08:35 - 09:30

Speaker: Maurizio Corbetta (Chair and Professor of Neurology, Italy)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 05 - Mitochondrial DynamicsPS05-28AM-491 **INVESTIGATING MITOCHONDRIAL STRESS SIGNALLING IN SINGLE NEURONS**

09:30 - 09:30

Speaker: Emma Hamer (United Kingdom)PS05-28AM-492 **IDENTIFICATION OF NOVEL MTORC1 TARGETS DURING NEURODEVELOPMENT IN TUBEROUS SCLEROSIS COMPLEX**

09:30 - 09:30

Speaker: Marie Girodengo (United Kingdom)PS05-28AM-493 **INVESTIGATING THE EFFICIENCY OF A MITOCHONDRIA BOOSTER TO IMPROVE ANXIETY-RELATED BEHAVIORS: ACCUMBAL METABOLIC AND NEUROBIOLOGICAL MECHANISMS**

09:30 - 09:30

Speaker: David Mallet (Switzerland)PS05-28AM-494 **NORMALIZATION OF THE ACCUMBAL CELL TYPE-SPECIFIC TRANSCRIPTOMIC SIGNATURES AND ANXIETY-LIKE BEHAVIOUR FOLLOWING TREATMENT WITH A MITOCHONDRIAL BOOSTER IN OUTBRED RATS**

09:30 - 09:30

Speaker: Dogukan Ulgen (Switzerland)PS05-28AM-495 **THE POLYAMINE PATHWAY AS A NOVEL TREATMENT TARGET FOR MITOCHONDRIAL DISEASE**

09:30 - 09:30

Speaker: Debbra Yasemin Knorr (United Kingdom)PS05-28AM-496 **COCAINE DETRIMENTALLY AFFECTS MITOCHONDRIAL FUNCTIONALITY AND CELL VIABILITY IN DOPAMINERGIC NEURONS**

09:30 - 09:30

Speaker: Pablo Zamorano Gonzalez (Spain)PS05-28AM-497 **EXPLORING LARYNGEAL EFFECTS OF DORSOLATERAL PERIAQUEDUCTAL GREY STIMULATION IN ANESTHETIZED RATS: IMPLICATIONS FOR C-FOS AND FOXP2 EXPRESSION IN THE NUCLEUS AMBIGUUS SUBDIVISIONS**

09:30 - 09:30

Speaker: Laura Carrillo-Franco (Spain)PS05-28AM-498 **IMPACT OF MITOFUSIN 2 ON ACCUMBENS-ASSOCIATED BEHAVIORS AND UNDERLYING NEUROBIOLOGICAL MECHANISMS**

09:30 - 09:30

Speaker: Alessandro Chioino (Switzerland)PS05-28AM-499 **THE EFFECT OF SECOND-GENERATION ANTIPSYCHOTICS ON MITOCHONDRIA AND THE DEVELOPMENT OF METABOLIC SYNDROME**

09:30 - 09:30

Speaker: Katherine Mortimer (United Kingdom)PS05-28AM-500 **MITOCHONDRIAL FISSION REGULATES REACTIVE ASTROCYTE RESPONSE TO ACUTE BRAIN INJURY**

09:30 - 09:30

Speaker: Abdulla Chihab (Germany)

PS05-28AM-501 **BDNF-INDUCED SYNAPTIC PLASTICITY: THE ROLE OF MITOCHONDRIAL FISSION** 09:30 - 09:30

Speaker: Filipe Duarte (Portugal)

PS05-28AM-502 **INVESTIGATING THE ROLE OF MITOCHONDRIAL REGULATOR ZC3H10 ON NEURONAL FUNCTION** 09:30 - 09:30

Speaker: Meral Celikag (Italy)

PS05-28AM-503 **NEURONAL ACTIVITY INHIBITS AXONAL MITOCHONDRIAL TRANSPORT IN A REGION-SPECIFIC MANNER** 09:30 - 09:30

Speaker: Tom Venneman (Belgium)

PS05-28AM-504 **CAFFEINE TREATMENT DECREASES MAO-B EXPRESSION, NEURITE OUTGROWTH AND NEURITE BRANCHING IN IMMATURE RAT PRIMARY NEURONAL CELL CULTURES** 09:30 - 09:30

Speaker: Sara Bjurling (Sweden)

PS05-28AM-505 **ULTRASTRUCTURAL ANALYSIS REVEALS MITOCHONDRIAL PLACEMENT INDEPENDENT OF SYNAPSE PLACEMENT IN FINE CALIBER C. ELEGANS NEURONS** 09:30 - 09:30

Speaker: Gregory Macleod (United States)

PS05-28AM-506 **ARE MITOCHONDRIA A MISSING LINK BETWEEN ARGINASE 2 LOSS AND HUNTINGTON'S DISEASE PATHOGENESIS?** 09:30 - 09:30

Speaker: Martyna Podgajna (Poland)

PS05-28AM-507 **LONGITUDINAL AUTOPHAGY PROFILING OF MAMMALIAN BRAIN CIRCUITS REVEALS DYNAMIC AND SUSTAINED MITOPHAGY THROUGHOUT HEALTHY AGING** 09:30 - 09:30

Speaker: Anna Rappe (Finland)

PS05-28AM-508 **THE CROSSTALK BETWEEN THE EPIGENOME AND MITOCHONDRIA AS CENTRAL PLAYER IN NEURAL FATE DECISIONS OF THE AXOTOMIZED NEURONS AFTER SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Sofia Nutarelli (Italy)

PS05-28AM-509 **INVESTIGATING THE AMPK-MFF PATHWAY TO MODULATE MITOCHONDRIAL DYNAMICS AS A TARGET FOR NEUROPROTECTION** 09:30 - 09:30

Speaker: Richard Seager (United Kingdom)

PS05-28AM-510 **INVESTIGATING THE ACUTE IMPACT OF SWEETENERS SUCRALOSE AND ACE-K ON ATP PRODUCTION AND MITOCHONDRIAL RESPIRATION IN THE HYPOTHALAMIC GT1-7 CELL LINE CHALLENGED WITH INCREASED GLUCOSE** 09:30 - 09:30

Speaker: Joulia Haydar (France)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Temporal Perception and Sensory Processing

PS05-28AM-166 **TACTILE VERSUS ELECTRICAL STIMULATION IN A CONSCIOUS SOMATOSENSORY THRESHOLD DETECTION TASK** 09:30 - 09:30

Speaker: Jona Förster (Germany)

PS05-28AM-167 **THE INFLUENCE OF EXPECTATION IN SENSORY ATTENUATION** 09:30 - 09:30

Speaker: Gianluigi Giannini (Germany)

PS05-28AM-168 **SOMATOSENSORY EVOKED BOLD SIGNALS WITH ULTRA-HIGH TEMPORAL RESOLUTION** 09:30 - 09:30

Speaker: Sara Wesolek (Germany)

PS05-28AM-169	EFFECTOR-SPECIFIC NEURAL REPRESENTATIONS OF PERCEPTUAL CHOICES ACROSS DIFFERENT SENSORY DOMAINS	09:30 - 09:30
<i>Speaker:</i> Marlon Esmeyer (Germany)		
PS05-28AM-170	RHYTHM OF THE BODY, RHYTHM OF THE BRAIN: EXPLORING THE RELATIONSHIP BETWEEN INTEROCEPTION AND TIME PERCEPTION THROUGH TRANSAURICULAR VAGUS NERVE STIMULATION	09:30 - 09:30
<i>Speaker:</i> Maria Luisa De Martino (Italy)		
PS05-28AM-171	MODULATION OF NEUROPATHIC PAIN AND TACTILE PERCEPTION IN SPINAL CORD INJURY DURING AN EXOSKELETON TRAINING PROGRAM	09:30 - 09:30
<i>Speaker:</i> Erik Leemhuis (Italy)		
PS05-28AM-172	AN EEG INVESTIGATION OF TEMPORAL PROCESSING ACROSS STIMULUS CONFIGURATIONS	09:30 - 09:30
<i>Speaker:</i> Francesca Iris Bellotti (Italy)		
PS05-28AM-173	AN EEG INVESTIGATION FOR INDIVIDUAL DIFFERENCES IN TIME PERCEPTION: UNRAVELING NEURAL DYNAMICS THROUGH SERIAL DEPENDENCY	09:30 - 09:30
<i>Speaker:</i> Stefan Glasauer (Germany)		
PS05-28AM-174	ELECTRICAL STIMULATION OVER THE PARIETAL CORTEX INDUCES SPATIAL BIAS BY MEDIATING THE INFLUENCE OF VISUOSPATIAL ATTENTION ON THE TEMPORAL DYNAMICS OF VISUOCORTICAL PROCESSING	09:30 - 09:30
<i>Speaker:</i> Sirawaj Itthipuripat (Thailand)		
PS05-28AM-175	DISTINCT EFFECTS OF SPATIAL SUMMATION AND LATERAL INHIBITION IN COLD AND WARM PERCEPTION	09:30 - 09:30
<i>Speaker:</i> Camilla Eva Krænge (Denmark)		
PS05-28AM-176	ACTIVE TOOL-USE TRAINING IN NEAR AND FAR DISTANCES DOES NOT CHANGE TIME PERCEPTION IN PERIPERSONAL OR FAR SPACE	09:30 - 09:30
<i>Speaker:</i> Amir Jahanian Najafabadi (Germany)		
PS05-28AM-177	FREQUENCY TAGGING IN THE SENSORIMOTOR CORTEX IS ENHANCED BY FOOTSTEP SOUNDS COMPARED TO VISUAL INFORMATION MOVEMENT IN A WALKING MOVEMENT INTEGRATION TASK	09:30 - 09:30
<i>Speaker:</i> Marta Matamala-Gomez (Spain)		
PS05-28AM-178	WHEN AUDITORY RULES OVER VISION: THE IMPACT OF TEMPORAL SYNCHRONY FOR AUDITORY-VISUAL SENSORY ATTENUATION EFFECTS	09:30 - 09:30
<i>Speaker:</i> Shabnamalsadat Ayatollahi (Germany)		
PS05-28AM-179	TIME PERCEPTION AND TIME-SPACE INTERACTION DURING WHOLE-BODY ROTATIONS	09:30 - 09:30
<i>Speaker:</i> Pierre Denise (France)		
PS05-28AM-180	NEXT-INTERVAL DYNAMICS SHAPE CORTICAL PROCESSING OF TOUCH	09:30 - 09:30
<i>Speaker:</i> Wenyu Wan (Netherlands)		
PS05-28AM-181	TEMPORAL FREQUENCY MASKING INTERACTIONS IN V1 DEPEND ON STIMULUS SIZE	09:30 - 09:30
<i>Speaker:</i> Divya Gulati (India)		
PS05-28AM-182	DISTINCTIVE EFFECTS OF CUE PROBABILITY ON COVERT AND PRESACCADIC SHIFTS OF ATTENTION	09:30 - 09:30
<i>Speaker:</i> Maria Fernanda Rodrigues Guimarães (Brazil)		

PS05-28AM-183	V1 MAKES THE DOMINANT CONTRIBUTION TO THE STEADY-STATE VISUAL EVOKED POTENTIAL - EVIDENCE FROM RETINOTOPICALLY VARYING EEG TOPOGRAPHIES AND MRI-DERIVED FORWARD MODELS	09:30 - 09:30
<i>Speaker:</i> Kieran Mohr (Ireland)		
PS05-28AM-184	COMPARING MOTOR AND AUDITORY PREDICTIVE SIGNALS OF UPCOMING VISUAL STIMULI	09:30 - 09:30
<i>Speaker:</i> Batel Buaron (Israel)		
PS05-28AM-185	NEURAL MECHANISMS OF METACOGNITIVE IMPROVEMENTS UNDER SPEED PRESSURE	09:30 - 09:30
<i>Speaker:</i> Caleb Stone (Australia)		
PS05-28AM-186	NEURAL CORRELATES OF EVIDENCE ACCUMULATION IN AN EXPANDED JUDGEMENT TASK WITH VARIABLE TEMPORAL GAPS BETWEEN SAMPLES	09:30 - 09:30
<i>Speaker:</i> Elisabet Pares Pujolras (Ireland)		
PS05-28AM-187	NEURAL MECHANISMS OF SUBJECTIVE TIME COMPRESSION IN VOLUNTARY ACTIONS: ENHANCED AGENCY VS. DIVIDED ATTENTION	09:30 - 09:30
<i>Speaker:</i> Sayako Ueda (Japan)		
PS05-28AM-188	IDENTIFYING CENTRAL TIMING MECHANISMS IN THE HUMAN CEREBELLUM ACROSS EXPLICIT AND IMPLICIT TIMING: A COMBINED NEUROPSYCHOLOGY-ELECTROENCEPHALOGRAPHY APPROACH	09:30 - 09:30
<i>Speaker:</i> Chiara Zanonato (Germany)		
PS05-28AM-189	CAN NEWBORNS DIFFERENTIATE AUDITORIALLY PRESENTED SMALL QUANTITIES?	09:30 - 09:30
<i>Speaker:</i> Kaisa Lohvansuu (Finland)		
PS05-28AM-190	CORTICAL ACTIVATIONS ASSOCIATED WITH SPATIAL REMAPPING OF FINGER TOUCH USING HR-EEG	09:30 - 09:30
<i>Speaker:</i> Anaëlle ALOUIT (France)		
PS05-28AM-191	THE SIMILARITIES AND THE DIFFERENCES BETWEEN TACTILE IMAGERY AND TACTILE ATTENTION: INSIGHTS FROM HIGH-DENSITY EEG DATA	09:30 - 09:30
<i>Speaker:</i> Marina Morozova (Russian Federation)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Functional Ultrasound and Imaging Advances		
PS05-28AM-469	WHOLE-BRAIN ACTIVITY PATTERNS UNDERLYING UNINSTRUCTED BEHAVIORAL SWITCHING IN MICE	09:30 - 09:30
<i>Speaker:</i> Paulina Wanken (Germany)		
PS05-28AM-470	SPONTANEOUS AND SENSORY-EVOKED AROUSAL FLUCTUATIONS ACTIVATE A SPECIFIC BRAIN-WIDE NETWORK	09:30 - 09:30
<i>Speaker:</i> Jose Maria Martinez de Paz (Germany)		
PS05-28AM-471	HIGH-RESOLUTION 3D MAPPING OF CAT VISUAL CORTEX USING FUNCTIONAL ULTRASOUND IMAGING	09:30 - 09:30
<i>Speaker:</i> Ábel Petik (Hungary)		
PS05-28AM-472	ARE CORTICAL COLUMNS UBIQUITOUS? HIGH-RESOLUTION IDENTIFICATION OF FUNCTIONAL DOMAINS IN CAT CORTEX USING 3D FUNCTIONAL ULTRASOUND IMAGING	09:30 - 09:30
<i>Speaker:</i> Klaudia Csikós (Hungary)		
PS05-28AM-473	YEAR-LONG MULTIMODAL ACCESS TO NEURONAL ACTIVITY IN	09:30 - 09:30

LARGE BRAINS*Speaker:* Domonkos Horvath (Hungary)

PS05-28AM-474 **FUNCTIONAL ULTRASOUND MAPPING OF LARGE-SCALE CONNECTIVITY NETWORKS IN THE MOUSE BRAIN** 09:30 - 09:30

Speaker: Jean-Charles Mariani (Italy)

PS05-28AM-475 **HIGH SENSITIVITY MAPPING OF BRAIN-WIDE FUNCTIONAL NETWORKS IN AWAKE MICE USING SIMULTANEOUS MULTI-SLICE FUS IMAGING** 09:30 - 09:30

Speaker: Jeremy Ferrier (France)

PS05-28AM-476 **ENHANCEMENT OF CEREBROSPINAL FLUID MOVEMENT BY TRANSCRANIAL FOCUSED ULTRASOUND STIMULATION** 09:30 - 09:30

Speaker: Jaeho Kim (Korea, Republic of)

PS05-28AM-477 **NEUROVASCULAR COUPLING ALONG THE OPTIC NERVE: INSIGHTS FROM TWO-PHOTON IMAGING, IMAGING FUNCTIONAL ULTRASOUND, AND HIGH-RESOLUTION BOLD FMRI** 09:30 - 09:30

Speaker: Esteban Suárez Baquero (France)

PS05-28AM-478 **FUNCTIONAL ULTRASOUND IS ABLE TO DETECT MUSIC THERAPY INDUCED FUNCTIONAL CONNECTIVITY CHANGES IN NEONATES** 09:30 - 09:30

Speaker: Flora Faure (France)

PS05-28AM-479 **EXPLORING ANALYTICAL PROCEDURES AND SHORT CHANNELS IN FNIRS RESEARCH: INSIGHTS AND IMPLICATIONS** 09:30 - 09:30

Speaker: Yann Lemaire (France)

PS05-28AM-480 **COMPREHENSIVE CHARACTERIZATION OF CEREBROVASCULAR OXYGENATION DYNAMICS IN AWAKE MICE USING HIGH-RESOLUTION PHOTOACOUSTIC IMAGING** 09:30 - 09:30

Speaker: Pierre Sicard (France)

PS05-28AM-481 **LATERALIZATION OF MOTOR RESPONSES FOLLOWING FOCUSED ULTRASOUND NEUROMODULATION OF THE MOTOR CORTEX AND THALAMUS IN AWAKE MICE** 09:30 - 09:30

Speaker: Jonas Bendig (United States)

PS05-28AM-483 **ADVANCING IN-VIVO BRAIN VASCULATURE IMAGING: SUPER-RESOLUTION 3D ULTRASOUND LOCALIZATION MICROSCOPY OF THE MOUSE BRAIN AND IN NON-HUMAN PRIMATE USING RCA PROBES** 09:30 - 09:30

Speaker: Adrien Bertolo (France)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 05 - Brain Structure in Neurological Disorders

PS05-28AM-452 **ABERRANT STRUCTURE AND TRACT-BASED CONNECTIVITY OF THE CLAUSTRUM IN THE EARLY STAGES OF SCHIZOPHRENIA** 09:30 - 09:30

Speaker: Rebecca Hippen (Germany)

PS05-28AM-453 **TOPOLOGICAL DATA ANALYSIS OF CORTICAL WORD REPRESENTATIONS IN HEALTH AND SCHIZOPHRENIA** 09:30 - 09:30

Speaker: Ryusuke Hayashi (Japan)

PS05-28AM-454 **VOLUME OF THALAMIC SUBREGIONS ACROSS COMMON BEHAVIORAL AND NEUROLOGICAL DISORDERS: A MULTI-SITE MAGNETIC RESONANCE IMAGING STUDY** 09:30 - 09:30

Speaker: Veronica Mäki-Marttunen (Norway)

PS05-28AM-455 **DISTINCT CLAUSTRUM-CORTEX CONNECTIONS ARE INVOLVED** 09:30 - 09:30

**IN COGNITIVE CONTROL PERFORMANCE AND HABITUAL SLEEP
IN HUMANS**

Speaker: Virginia Conde Ruiz (Norway)

PS05-28AM-456 **INVESTIGATING RISK FACTORS ASSOCIATED WITH
LONGITUDINAL CHANGES IN BRAIN STRUCTURE IN UK
BIOBANK** 09:30 - 09:30

Speaker: Delia Gheorghe (Romania)

PS05-28AM-457 **EXPLORING THE IMPACT OF INTERTHALAMIC ADHESION ON
HUMAN COGNITION: INSIGHTS FROM HEALTHY SUBJECTS AND
THALAMIC STROKE PATIENTS** 09:30 - 09:30

Speaker: Julie Vidal (France)

PS05-28AM-458 **EXAMINING SPEECH DISFLUENCY THROUGH THE ANALYSIS OF
GREY MATTER DENSITIES IN 5-YEAR-OLDS USING VOXEL-BASED
MORPHOMETRY** 09:30 - 09:30

Speaker: Ashmeet Jolly (Finland)

PS05-28AM-459 **ABERRANT STRUCTURAL CONNECTIVITY BETWEEN THE MEDIAL
THALAMUS NUCLEI AND FRONTAL CORTICES IN INDIVIDUALS
WITH EARLY PSYCHOSIS** 09:30 - 09:30

Speaker: Julia Schulz (Germany)

PS05-28AM-460 **HUMAN PRETERM BIRTH LEADS TO INDIVIDUALLY
HETEROGENOUS, SPATIALLY VARIABLE CORTICAL THICKNESS
DEVIATIONS THAT ARE LASTING, GLIAL CELL-MEDIATED, AND
RELEVANT FOR ADULT IQ** 09:30 - 09:30

Speaker: Melissa Thalhammer (Germany)

PS05-28AM-461 **ASSOCIATIONS BETWEEN MATERNAL PRE-PREGNANCY BMI AND
WHITE MATTER INTEGRITY IN INFANTS** 09:30 - 09:30

Speaker: Aylin Rosberg (Finland)

PS05-28AM-462 **STRUCTURAL BRAIN REORGANIZATION IN CHILDREN WITH
OBSTETRIC BRACHIAL PLEXUS PALSY** 09:30 - 09:30

Speaker: Dzerassa Kadieva (Russian Federation)

PS05-28AM-463 **IMPAIRED VERBAL FUNCTIONING IS LINKED TO ALTERED
WHITE MATTER MICROSTRUCTURE IN PRETERM-BORN ADULTS** 09:30 - 09:30

Speaker: Lena Gambarte (Germany)

PS05-28AM-464 **DISTINCT IMPACT MODES OF POLYGENIC DISPOSITION TO
DYSLEXIA IN THE ADULT BRAIN** 09:30 - 09:30

Speaker: Sourena Soheili-Nezhad (Netherlands)

PS05-28AM-465 **CRACKING THE CODE: HOW EARLY BRAIN ASYMMETRY
FORETELLS NEURODEVELOPMENTAL FUTURES** 09:30 - 09:30

Speaker: Patric Kienast (Austria)

PS05-28AM-466 **LIPID COMPOSITION DIVERSITY OF THE HUMAN BRAIN WHITE
MATTER TRACTS** 09:30 - 09:30

Speaker: Marina Zavolskova (Russian Federation)

PS05-28AM-467 **TOPOLOGICAL DATA ANALYSIS REVEALS BRAIN CONNECTIVITY
DIFFERENCES BETWEEN SCHIZOPHRENIA SUBJECTS AND
HEALTHY CONTROLS** 09:30 - 09:30

Speaker: Emil Dmitruk (United Kingdom)

PS05-28AM-468 **STRUCTURAL BRAIN CHANGES AFTER POTENTIALLY
TRAUMATIC EVENTS** 09:30 - 09:30

Speaker: Maren Angel Christensen (Norway)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Oligodendrocyte Function and Differentiation

- PS05-28AM-319 **UNLOCKING THE POTENTIAL OF SVZ-DERIVED OLIGODENDROCYTES THROUGH BDNF AND ADENOSINE A2AR MODULATION** 09:30 - 09:30
Speaker: Joana Mateus (Portugal)
- PS05-28AM-320 **EXPLORING THE NEUROGENIC AND SYNAPTOGENIC EFFECTS OF CAFFEINE** 09:30 - 09:30
Speaker: João Moreira (Portugal)
- PS05-28AM-321 **UNRAVELING THE ROLES OF OLIGODENDROCYTE PROGENITOR CELLS IN THE DEVELOPMENT OF THE CORTICAL INHIBITORY SYSTEM** 09:30 - 09:30
Speaker: Enrica Boda (Italy)
- PS05-28AM-322 **UNDERSTANDING MOLECULAR MECHANISMS IN OLIGODENDROCYTE DEVELOPMENT *IN VITRO* USING HUMAN FETAL NEURAL STEM CELLS** 09:30 - 09:30
Speaker: Sudip Sen (India)
- PS05-28AM-323 **THE ENDOTHELIAL NMDA RECEPTOR: A NEW PLAYER IN THE DIFFERENTIATION OF CORTICAL OLIGODENDROCYTES?** 09:30 - 09:30
Speaker: Alexandre Béranger (France)
- PS05-28AM-324 **ROLE OF ADENOSINE A1 RECEPTORS IN OLIGODENDROCYTE REGENERATION** 09:30 - 09:30
Speaker: Wenhui Huang (Germany)
- PS05-28AM-325 **IMPAIRED MACROAUTOPHAGY IN OLIGODENDROCYTE PRECURSOR CELLS EXACERBATES AGING-RELATED COGNITIVE DEFICITS VIA A SENESENCE ASSOCIATED SIGNALING** 09:30 - 09:30
Speaker: Hong Chen (China)
- PS05-28AM-326 **MYELIN PLASTICITY REQUIRES THE EXPRESSION IN OLIGODENDROCYTE PROGENITORS OF NMDA RECEPTORS CONTAINING GLUN3A SUBUNITS** 09:30 - 09:30
Speaker: Moumita Chatterjee (Spain)
- PS05-28AM-327 **ROLE OF NCOR1 AND NCOR2 TRANSCRIPTIONAL COREPRESSORS IN MYELIN DEVELOPMENT AND REMYELINATION** 09:30 - 09:30
Speaker: Rubí Hernández Rojas (Spain)
- PS05-28AM-328 **DEVELOPMENTAL CELL DEATH OF INTERNEURONS AND OLIGODENDROGLIA IS REQUIRED FOR COGNITIVE FLEXIBILITY IN MICE** 09:30 - 09:30
Speaker: Cristobal Ibaceta (France)
- PS05-28AM-329 **ELUCIDATING THE IMPACT OF DEMYELINATION AND REMYELINATION ON INHIBITORY SYNAPTIC TRANSMISSION IN THE SOMATOSENSORY CORTEX OF A MOUSE MODEL OF CUPRIZONE** 09:30 - 09:30
Speaker: Eduardo Fernandez Perez (France)
- PS05-28AM-330 **DYNAMIC CALCIUM SIGNALS OF OLIGODENDROGLIA IN DEMYELINATED LESIONS** 09:30 - 09:30
Speaker: Roxane Bancel Vega (France)
- PS05-28AM-331 **ADOLESCENT OLIGODENDROGENESIS AND MYELINATION RESTRICT NEURONAL PLASTICITY IN THE MAMMALIAN CORTEX** 09:30 - 09:30
Speaker: Wendy Xin (United States)
- PS05-28AM-332 **OPCS MODULATE NEURONAL ACTIVITY VIA DIRECT CONTACT ON THE LYSOSOME RELEASING SITE OF NEURONS** 09:30 - 09:30

Speaker: Lipao Fang (Germany)

PS05-28AM-333 **QUENCHING MITOCHONDRIAL REACTIVE OXYGEN SPECIES IN OLIGODENDROCYTES PROTECTS AXONAL FUNCTION IN AGING AND NEUROINFLAMMATORY DISEASE** 09:30 - 09:30

Speaker: Urvashi Dalvi (Switzerland)

PS05-28AM-334 **CHEMOGENETIC ACTIVATION OF OLIGODENDROCYTES MODULATES BEHAVIOURAL PROCESSES** 09:30 - 09:30

Speaker: Stefano Calovi (Spain)

PS05-28AM-335 **CORTICAL OLIGODENDROCYTE PRECURSOR CELLS EXHIBIT DISTINCT CALCIUM ACTIVITY PATTERNS DURING FATE PROGRESSION** 09:30 - 09:30

Speaker: Frederic Fiore (Germany)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Autoimmune Encephalitis Pathologies

PS05-28AM-581 **NEURO-IMMUNOBIOLOGY IN A MOUSE MODEL OF ANTI-NMDAR ENCEPHALITIS AND ASSESSMENT OF TREATMENT APPROACHES** 09:30 - 09:30

Speaker: Estibaliz Maudes (Spain)

PS05-28AM-582 **CHARACTERIZATION OF PERIPHERAL AND BRAIN-SPECIFIC INNATE IMMUNE RESPONSES IN A MURINE MODEL OF NMDAR ENCEPHALITIS** 09:30 - 09:30

Speaker: Laura Marmolejo Alcaide (Spain)

PS05-28AM-583 **EX-VIVO AND IN-VIVO ANALYSIS OF HIPPOCAMPAL PATHOLOGY IN A MURINE MODEL OF ANTI-GABA_B AUTOIMMUNE ENCEPHALITIS** 09:30 - 09:30

Speaker: Eleonora Anna Loi (Germany)

PS05-28AM-584 **HUMAN ANTI-GLUN1 AUTOANTIBODIES AFFECT CAMKII AND DAPK1 PATHWAY DEPENDENT SYNAPTIC PLASTICITY IN PRIMARY HIPPOCAMPAL MOUSE NEURONS** 09:30 - 09:30

Speaker: Marin Kempfer (Germany)

PS05-28AM-585 **GLYCINE RECEPTOR AUTOANTIBODIES IMPAIR INHIBITORY NEUROTRANSMISSION BY TARGETING PRESYNAPTIC GLYCINE RECEPTORS** 09:30 - 09:30

Speaker: Anna-Lena Wießler (Germany)

PS05-28AM-586 **PLACENTAL TRANSFER OF NMDA RECEPTOR AUTOANTIBODIES IMPAIRS CORRELATED NETWORK ACTIVITY BY AFFECTING GABAERGIC NEUROTRANSMISSION** 09:30 - 09:30

Speaker: Chuanqiang Zhang (Germany)

PS05-28AM-587 **CASPR2 AUTOANTIBODY PATHOLOGY IS MEDIATED BY ALTERED EXCITABILITY OF SENSORY DORSAL ROOT GANGLIA** 09:30 - 09:30

Speaker: Margarita Habib (Germany)

PS05-28AM-588 **STRUCTURAL AND FUNCTIONAL MECHANISMS OF ANTI-NMDAR AUTOIMMUNE ENCEPHALITIS** 09:30 - 09:30

Speaker: Taha Abdulla (Germany)

PS05-28AM-589 **EFFECTS OF ANTI-LGI1 HUMAN MONOCLONAL ANTIBODIES ON MOUSE BEHAVIOR, ULTRASTRUCTURE AND ION CHANNEL DISTRIBUTION AT SYNAPSES AND AXON INITIAL SEGMENTS** 09:30 - 09:30

Speaker: Jacqueline Montanaro (Austria)

PS05-28AM-590 **AUTOANTIBODY-INDUCED SYNAPTIC AND EXTRASYNAPTIC DYSFUNCTION OF LGI1 AND KV1-CHANNELS AS A CAUSE OF LGI1 ENCEPHALITIS** 09:30 - 09:30

Speaker: Josefine Sell (Germany)

PS05-28AM-591 **N-AGLYCOSYLATED EXTRACELLULAR LOOP OF THE POTASSIUM CHANNEL KCNJ10 AS CONTRIBUTOR TO AUTOIMMUNITY IN MULTIPLE SCLEROSIS** 09:30 - 09:30

Speaker: Arnaud Nicot (France)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Cortex Structure and Dynamics

PS05-28AM-440 **SINGLE CELL MAPPING THE EVOLUTION OF THE SPATIAL PROCESSING CENTRE IN THE BRAIN** 09:30 - 09:30

Speaker: Dorottya Ralbovszki (Denmark)

PS05-28AM-441 **NAVIGATING THROUGH THE ENTORHINAL CORTEX: COMBINING SINGLE-CELL ELECTROPHYSIOLOGY AND RNA-SEQUENCING TO ADVANCE OUR KNOWLEDGE ON THE NEURONAL ARCHITECTURE** 09:30 - 09:30

Speaker: Eliška Waloschková (Denmark)

PS05-28AM-442 **CELLULAR AND MOLECULAR FOOTPRINT OF AGING IN A DEFINED NEURONAL NETWORK ENCODING ASSOCIATIVE MEMORY** 09:30 - 09:30

Speaker: Zsolt Pirger (Hungary)

PS05-28AM-443 **HISTOLOGICAL, CELLULAR, AND MOLECULAR CHANGES INDUCED BY CHRONIC EXPOSURE TO THE (NEURO)ENDOCRINE DISRUPTOR TRIBUTYL TIN IN A WIDELY USED INVERTEBRATE MODEL SPECIES** 09:30 - 09:30

Speaker: István Fodor (Hungary)

PS05-28AM-444 **CELLULAR AND MOLECULAR CHANGES IN THE MEDIAL ENTORHINAL CORTEX DURING AGING** 09:30 - 09:30

Speaker: Sorgog Uzeen (China)

PS05-28AM-445 **LATERAL ENTORHINAL CORTEX MODULATION OF SPATIAL AND OBJECT-FIRING IN THE MEDIAL ENTORHINAL CORTEX** 09:30 - 09:30

Speaker: Brianna Vandrey (United Kingdom)

PS05-28AM-446 **DNA METHYLATION PATTERNS IN AGING** 09:30 - 09:30

Speaker: Alejandro Gonzalez Ramon (Spain)

PS05-28AM-447 **CELL TYPE EMERGENCE IN THE DEVELOPING MEDIAL ENTORHINAL CORTEX IS REGULATED BY BCL11B** 09:30 - 09:30

Speaker: Keagan Dunville (Norway)

PS05-28AM-448 **LAMINAR SYNAPTIC CHARACTERISTICS OF THE HUMAN ENTORHINAL CORTEX** 09:30 - 09:30

Speaker: Sergio Plaza-Alonso (Spain)

PS05-28AM-449 **DEGENERATION OF THE ASCENDING VESTIBULAR PATHWAY ACCOUNTS FOR SPATIAL NAVIGATION DEFICITS IN AGED MICE** 09:30 - 09:30

Speaker: Ying-Shing Chan (Hong Kong)

PS05-28AM-450 **NUCLEAR EXPANSION DRIVES CHROMATIN STRUCTURE REMODELING IN AGING NEURONS** 09:30 - 09:30

Speaker: Dmitrii Kriukov (Russian Federation)

PS05-28AM-451 **SYNAPTIC NEUROFILAMENTS CHANGES DURING AGING AND THE EFFECT OF ENVIRONMENTAL ENRICHMENT** 09:30 - 09:30

Speaker: Elisa Principi (Italy)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Autism Models

- PS05-28AM-053 **ANALYSIS OF BRAIN NETWORK CHANGES IN A VALPROIC ACID-TREATED AUTISM MOUSE MODEL DURING SOCIAL STIMULATION** 09:30 - 09:30
Speaker: Róbert Kemecei (Hungary)
- PS05-28AM-054 **POTENTIATED VASOPRESSIN ASCENDING SYSTEM IN THE C58JBL MICE: IS THERE A RELATIONSHIP BETWEEN VASOPRESSIN SYSTEM ABNORMALITY AND AUTISTIC PHENOTYPE?** 09:30 - 09:30
Speaker: Oscar Hernandez-Perez (Mexico)
- PS05-28AM-055 **AGE-RELATED ALTERATIONS OF SPATIAL MEMORY IN RAT MODEL OF AUTISM INDUCED BY VALPROIC ACID** 09:30 - 09:30
Speaker: Manana Dashniani (Georgia)
- PS05-28AM-056 **DEVELOPMENTAL ALTERATION OF SOCIAL BEHAVIOR IN RAT MODEL OF AUTISM** 09:30 - 09:30
Speaker: Khatuna Rusadze (Georgia)
- PS05-28AM-057 **GENDER SPECIFIC DIFFERENCES IN CHOLINERGIC AND GABA-ERGIC ACTIVITY IN THE PREFRONTAL CORTEX IN PRENATALLY VALPROIC ACID EXPOSED ADULT RATS** 09:30 - 09:30
Speaker: Maia Burjanadze (Georgia)
- PS05-28AM-058 **RODENT PROPIONIC ACID MODEL OF AUTISM: SYNAPTIC ARCHITECTURE OF THE HIPPOCAMPUS AND PREFRONTAL CORTEX** 09:30 - 09:30
Speaker: Mzia Zhvania (Georgia)
- PS05-28AM-059 **EFFECT OF ENERGI IN VALPROATE-INDUCED ANIMAL WITH AUTISM SPECTRUM DISORDER** 09:30 - 09:30
Speaker: Chi-Chun Wu (Taiwan)
- PS05-28AM-060 **BLUNTED TLR3-INDUCED INFLAMMATORY GENE EXPRESSION IN THE PREFRONTAL CORTEX OF THE VALPROIC ACID MODEL OF AUTISM, AN EFFECT UNALTERED BY INCREASING ENDOCANNABINOID TONE** 09:30 - 09:30
Speaker: Jonathan Costello (Ireland)
- PS05-28AM-061 **IMPACT OF A COCKTAIL OF FUNGICIDES AT THE REGULATORY DOSE IN EUROPE ON THE NEURODEVELOPMENT OF A MICE MODEL OF AUTISM SPECTRUM DISORDERS (ASD)** 09:30 - 09:30
Speaker: Lucie Salvador-Prince (France)
- PS05-28AM-062 **GESTATIONAL VPA EXPOSURE REDUCES THE DENSITY OF JUXTAPOSITIONS BETWEEN TH+ AXONS AND CALRETININ OR CALBINDIN EXPRESSING CELLS IN THE VENTROBASAL FOREBRAIN OF JUVENILE MICE** 09:30 - 09:30
Speaker: Cintia Klaudia Finszter (Hungary)
- PS05-28AM-063 **CHARACTERIZATION OF THE TRANSCRIPTIONAL LANDSCAPE OF ENDOGENOUS RETROVIRUSES AT THE FETAL-MATERNAL INTERFACE IN A MOUSE MODEL OF AUTISM SPECTRUM DISORDER** 09:30 - 09:30
Speaker: Martina Giudice (Italy)
- PS05-28AM-064 **BEHAVIORAL PERFORMANCE OF MICE IN OPEN FIELD TEST (OFT) EXPOSED TO THE COMBINATION OF LEVETIRACETAM (LEV) AND VALPROIC ACID (VPA) (1:1) DURING WHOLE GESTATION** 09:30 - 09:30
Speaker: Jelena Podgorac Kojadinovic (Serbia)
- PS05-28AM-065 **UNRAVELING GENDER DISPARITIES IN AUTISM SPECTRUM** 09:30 - 09:30

DISORDERS: THE IMPACT OF IMMUNOLOGICAL FACTORS IN A MOUSE MODEL OF AUTISM

Speaker: Araceli Seiffe (Argentina)

PS05-28AM-066 **A NOVEL SONGBIRD MODEL OF AUTISM** 09:30 - 09:30

Speaker: Gergely Zachar (Hungary)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Neuro-oncology

PS05-28AM-538 **FUNCTIONAL AND ANATOMICAL MODIFICATIONS OF PERITUMORAL TISSUE THAT OCCUR ALONG WITH GLIOMA PROGRESSION** 09:30 - 09:30

Speaker: Elisabetta Mori (Italy)

PS05-28AM-539 **PARVALBUMIN INTERNEURONS PROTECT PERITUMORAL TISSUE FROM GLIOBLASTOMA GROWTH** 09:30 - 09:30

Speaker: Marta Scalera (Italy)

PS05-28AM-540 **MOLECULAR CHANGES UNDERLYING DECAY OF SENSORY RESPONSES AND ENHANCED SEIZURE PROPENSITY IN PERITUMORAL NEURONS** 09:30 - 09:30

Speaker: Elisa De Santis (Italy)

PS05-28AM-541 **STUDY OF THE ROLE OF NITRIC OXIDE IN GLIOBLASTOMA CELLULAR POPULATIONS** 09:30 - 09:30

Speaker: Julia Lara Gutierrez Arroyo (Spain)

PS05-28AM-542 **CD9 PROTEIN IN GLIOBLASTOMA: IMPLICATIONS FOR PROGRESSION AND THERAPEUTIC STRATEGIES** 09:30 - 09:30

Speaker: Elvira M^a Carbonell (Spain)

PS05-28AM-543 **NESTIN+ CELLS INTERACTION WITH MICROGLIA AND ASTROCYTES IN PERIVASCULAR SPACE OF MALIGNANT PERIPHERAL NERVE SHEATH TUMORS** 09:30 - 09:30

Speaker: Susana Bulnes (Spain)

PS05-28AM-544 **ID2-ETS2 AXIS REGULATES THE TRANSCRIPTIONAL ACQUISITION OF PRO-TUMORAL MICROGLIA PHENOTYPE IN GLIOMA** 09:30 - 09:30

Speaker: Guillermo Vázquez Cabrera (Sweden)

PS05-28AM-545 **INVESTIGATING THE RATE OF RETURN TO WORK IN LOW-GRADE GLIOMA PATIENTS** 09:30 - 09:30

Speaker: Jasmine Kennedy (United Kingdom)

PS05-28AM-546 **SMART GLIA: INVESTIGATING THE NERVOUS SYSTEM PLASTICITY UPON CANCER** 09:30 - 09:30

Speaker: Assunta Virtuoso (Italy)

PS05-28AM-547 **THE MORPHOLOGY OF GLIOBLASTOMA STEM CELLS IMPACTS TUMOUR PROGRESSION.** 09:30 - 09:30

Speaker: Carlotta Barelli (Italy)

PS05-28AM-548 **WNT PATHWAY'S KEY REGULATORS DISPLAY DIFFERENT PROMOTER METHYLATION FREQUENCIES IN GLIOMAS** 09:30 - 09:30

Speaker: Nives Pećina-Šlaus (Croatia)

PS05-28AM-549 **HISTONE H3 VARIANTS ARE ASSOCIATED WITH DISTINCTIVE GLIOMA ENTITIES** 09:30 - 09:30

Speaker: Luis M. Valor (Spain)

PS05-28AM-550 **GOOD CELLS GONE BAD: THE ROLE OF SORLA IN SHAPING PRO-TUMORIGENIC PROPERTIES OF MICROGLIA DURING GLIOMA** 09:30 - 09:30

PROGRESSION*Speaker:* Paulina Kaminska (Poland)

PS05-28AM-551 **UNCOVERING TRANSCRIPTOME-WIDE LNCRNA METHYLATION AND EXPRESSION PATTERNS IN HUMAN GLIOMA** 09:30 - 09:30

Speaker: Rugile Dragunaite (Lithuania)

PS05-28AM-552 **DETRIMENTAL EFFECTS OF HIGH-DENSITY STAT3-MEDIATED ASTROCYTIC CORRALING IN GLIOBLASTOMA MULTIFORME** 09:30 - 09:30

Speaker: Paula Martínez Remedios (Spain)

PS05-28AM-553 **DIAPH3 AS A SURVIVAL PROGNOSTIC FACTOR IN GLIOBLASTOMA PATIENTS** 09:30 - 09:30

Speaker: Irene Durá Esteve (Belgium)

PS05-28AM-554 **INVOLVEMENT OF GLIOBLASTOMA-DERIVED EXTRACELLULAR VESICLES IN PROMOTING ENDOTHELIAL CELL REMODELLING: IMPLICATIONS FOR GLIOBLASTOMA TUMOUR PROGRESSION** 09:30 - 09:30

Speaker: Swagatama Mukherjee (India)

PS05-28AM-555 **INTERACTION BETWEEN M2 MUSCARINIC RECEPTORS AND B-1 ARRESTIN IN GLIOBLASTOMA CELL LINES: EFFECTS MEDIATED BY ORTHOSTERIC AND DUALSTERIC AGONISTS** 09:30 - 09:30

Speaker: Giulia Scanavino (Italy)

PS05-28AM-556 **STUDYING GLIOBLASTOMA INVASION IN BRAIN ORGANOID** 09:30 - 09:30

Speaker: Ana Sevilla (Spain)

PS05-28AM-557 **ELUCIDATING THE ROLE OF VAMP7-DEPENDENT LATE ENDOSOMAL AUTOPHAGIC SECRETION IN GLIOBLASTOMA PROGRESSION** 09:30 - 09:30

Speaker: Somya Vats (France)

PS05-28AM-558 **LRIG1 REGULATES THE BALANCE BETWEEN PROLIFERATION AND QUIESCENCE IN GLIOBLASTOMA STEM CELLS** 09:30 - 09:30

Speaker: MARIA ANGELES MARQUES (Spain)

PS05-28AM-559 **ROLE OF Na^+/Ca^{2+} EXCHANGER NCX IN GLIOBLASTOMA CELL MIGRATION** 09:30 - 09:30

Speaker: Erica Cecilia Priori (Italy)

PS05-28AM-560 **UNDERSTANDING THE EFFECTS OF PROTONS VERSUS X-RAYS ON RADIATION-INDUCED LYMPHOPENIA AFTER BRAIN IRRADIATION: A PRECLINICAL STUDY** 09:30 - 09:30

Speaker: Julie COUPEY (France)

PS05-28AM-561 **EFFECT OF POLYBRENE ON DIFFERENT GLIOBLASTOMA SUBTYPES** 09:30 - 09:30

Speaker: Vasiliki Gkini (Finland)

PS05-28AM-562 **MODULATING VOLTAGE-GATED SODIUM CHANNELS TO ENHANCE DIFFERENTIATION AND SENSITIZE GLIOBLASTOMA CELLS TO CHEMOTHERAPY** 09:30 - 09:30

Speaker: Francesca Giammello (Italy)

PS05-28AM-563 **MUTUAL INFLUENCE: EXPLORING THE DYNAMICS OF MALIGNANT BRAIN TUMORS AND SLEEP QUALITY** 09:30 - 09:30

Speaker: Lucija Grbić (Croatia)

PS05-28AM-565 **MYELOID CELLS COORDINATELY INDUCE GLIOMA CELL-INTRINSIC AND -EXTRINSIC PATHWAYS FOR CHEMORESISTANCE VIA GP130 SIGNALING** 09:30 - 09:30

Speaker: Roland Kälin (Austria)

PS05-28AM-566 **A NEW PERSPECTIVE IN MELANOMA TREATMENT: MELANOCORTIN RECEPTOR 4 ANTAGONIST IN ASSOCIATION** 09:30 - 09:30

WITH B-RAF INHIBITOR VEMURAFEMIB*Speaker:* Stefano Pioli (Italy)

PS05-28AM-567 **ONCOGENIC ACTIVATION IN GLUTAMATERGIC PROGENITORS LEADS TO THE FORMATION OF TUMOURS SPHERES SHOWING MEDULLOBLASTOMA GROUP 4-LIKE FEATURES** 09:30 - 09:30

Speaker: Ana Lucia Rebelo (Portugal)

PS05-28AM-568 **IN VIVO STUDY OF INTERCELLULAR COMMUNICATION IN A GLIOBLASTOMA MOUSE MODEL VIA CONNEXIN HEMICHANNELS** 09:30 - 09:30

Speaker: Viola Donati (Italy)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 05 - Regeneration and Neural Repair

PS05-28AM-569 **UNTANGLING THE VISUOMOTOR CIRCUIT IN INTACT AND REGENERATING BRAINS OF THE AXOLOTL (*AMBYSTOMA MEXICANUM*) USING BEHAVIORAL ASSAYS, CALCIUM IMAGING AND OPTOGENETICS** 09:30 - 09:30

Speaker: Simone Horenkamp (Austria)

PS05-28AM-570 **PATTERNING AND FUNCTIONALITY OF THE REGENERATED NERVOUS SYSTEM** 09:30 - 09:30

Speaker: Carina Seidl (Austria)

PS05-28AM-571 **DEVELOPING AN ADAPTABLE VISUAL BEHAVIOR ASSAY TO FUNCTIONALLY CHARACTERIZE BRAIN REGENERATION IN THE AXOLOTL (*AMBYSTOMA MEXICANUM*)** 09:30 - 09:30

Speaker: Deniz Demirkesenler (Austria)

PS05-28AM-572 **ADENO-ASSOCIATED VIRUSES TO STUDY FORMATION AND REGENERATION OF NEURONAL CIRCUITS IN THE AXOLOTL BRAIN** 09:30 - 09:30

Speaker: Katharina Lust (Austria)

PS05-28AM-573 **THE ROLE OF MAP1B PROTEIN IN AXONAL REGENERATION** 09:30 - 09:30

Speaker: Sonja Dumanovic (France)

PS05-28AM-574 **THE GROWTH CONE OF MIGRATING NEURONS AS A PRIMARY SENSOR AND MIGRATORY ACTUATOR IN THE INJURED BRAIN ENVIRONMENT** 09:30 - 09:30

Speaker: Chikako Nakajima (Japan)

PS05-28AM-575 **UNDERSTANDING LZK-MEDIATED REACTIVE ASTROGLIOSIS AND NEURONAL REPAIR USING MOUSE MOLECULAR GENETICS AND TRANSCRIPTOMIC PROFILING** 09:30 - 09:30

Speaker: Kween Agba (United States)

PS05-28AM-576 **TEMPERATURE FLUCTUATIONS MODULATES AXONAL GROWTH IN NEURONS THROUGH THE ACTIVATION OF TRPV4 RECEPTOR** 09:30 - 09:30

Speaker: Sarra Zaghbouni (Belgium)

PS05-28AM-577 **RECONSTRUCTING THE NEURAL ARCHITECTURE OF THE CNIDARIAN *NEMATOSTELLA VECTENSIS* TO UNDERSTAND EVOLUTION OF THE NERVOUS SYSTEM** 09:30 - 09:30

Speaker: Abhishek Mishra (Austria)

PS05-28AM-578 **A HIGH-RESOLUTION IN VIVO DRUG-SCREEN IN ZEBRAFISH TO INVESTIGATE HOW MYELINATED AXONS GROW IN DIAMETER** 09:30 - 09:30

Speaker: Maria Eichel-Vogel (Germany)

PS05-28AM-579 **THE ROLE OF MAP6 IN AXONAL REGENERATION** 09:30 - 09:30

Speaker: Gauthier Billaut (France)

PS05-28AM-580	ADENO-ASSOCIATED VIRAL TOOLS TO TRACE NEURAL DEVELOPMENT AND CONNECTIVITY ACROSS AMPHIBIANS	09:30 - 09:30
<i>Speaker:</i> Georgiy Ivanian (Austria)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Late-Breaking Abstracts		
PS05-28AM-597	ADAPTIVE BRAIN-MACHINE-INTERFACE LEARNING USES SIMILAR NEURONAL STRATEGIES IN MOTOR AND HIPPOCAMPAL NETWORKS	09:30 - 09:30
<i>Speaker:</i> Catalin Mitelut (Switzerland)		
PS05-28AM-598	NETWORK MECHANISMS FOR THE REINSTATEMENT OF INFANT LATENT MEMORIES	09:30 - 09:30
<i>Speaker:</i> Maria Lahr (Switzerland)		
PS05-28AM-599	DIVERGENT RECRUITMENT OF BIRTHDATED HIPPOCAMPAL NEURONAL ENSEMBLES SUPPORTS MEMORY DYNAMICS	09:30 - 09:30
<i>Speaker:</i> Vilde Kveim (Switzerland)		
PS05-28AM-600	DISENTANGLING EMOTIONAL MEMORIES IN VENTRAL HIPPOCAMPAL CIRCUITS	09:30 - 09:30
<i>Speaker:</i> Thomas Forro (Switzerland)		
PS05-28AM-601	VENTRAL HIPPOCAMPAL INHIBITORY MICROCIRCUITS FOR ANXIETY AND FEAR	09:30 - 09:30
<i>Speaker:</i> Kaizhen Li (Switzerland)		
PS05-28AM-602	ASSESSING RECEPTOR EXPRESSION DIFFERENCES IN THE BRAINS OF PTSD-SUSCEPTIBLE AND PTSD-RESILIENT RATS	09:30 - 09:30
<i>Speaker:</i> Charlotte Rye (United Kingdom)		
PS05-28AM-603	GLOBAL BRAIN C-FOS MAPPING REVEALS DIFFERENCES IN BRAIN NETWORK ENGAGEMENT DURING NAVIGATION USING DIFFERENT VISUAL CUE CLASSES	09:30 - 09:30
<i>Speaker:</i> Urszula Włodkowska (Poland)		
PS05-28AM-604	EXPERIENCE AND REACTIVATION STATUS DETERMINE ENGRAM SYNAPSE STRUCTURAL CONNECTIVITY	09:30 - 09:30
<i>Speaker:</i> Panthea Nemat (Netherlands)		
PS05-28AM-605	ELECTROPHYSIOLOGICAL AND SPATIAL CHARACTERIZATION OF SUBICULAR NEURONS	09:30 - 09:30
<i>Speaker:</i> Giulia Rigamonti (Spain)		
PS05-28AM-606	A NOVEL ROLE FOR AUTOPHAGY PROTEIN WIPI2 IN COGNITIVE FITNESS	09:30 - 09:30
<i>Speaker:</i> Victoria Blanchet (France)		
PS05-28AM-607	THE EPICENTER OF TRAUMA RESILIENCE?	09:30 - 09:30
<i>Speaker:</i> Carolina Temporão (Netherlands)		
PS05-28AM-608	SYNAPTIC DYSFUNCTION IN A HIPSC-DERIVED NEURONAL MODEL OF ALS AND FTD	09:30 - 09:30
<i>Speaker:</i> Rachel Jackson (United Kingdom)		
PS05-28AM-609	INTERPLAY BETWEEN TUBULIN TYROSINATION, AUTOPHAGY AND NEURON HEALTH	09:30 - 09:30
<i>Speaker:</i> Samar Ismail (France)		
PS05-28AM-610	ABERRANT GENERATION OF GRANULAR CELLS IN THE DENTATE GYRUS, DUE TO P53 DELETION, IS ASSOCIATED WITH EPILEPSY SUSCEPTIBILITY IN MICE	09:30 - 09:30
<i>Speaker:</i> Nuria Ruiz Reig (Belgium)		

PS05-28AM-611	FUS-MUTATION CARRYING AMYOTROPHIC LATERAL SCLEROSIS PATIENT-DERIVED MOTONEURONS DISPLAY LOWER SURVIVAL, ACCUMULATE MORE DNA DAMAGE AND SHOW ELEVATED INTEGRATED STRESS RESPONSE	09:30 - 09:30
	<i>Speaker:</i> Christine Roemer (Germany)	
PS05-28AM-612	ASTROGLIAL CONNEXINS DIFFERENTIALLY DRIVE CHRONIC SEIZURES IN MICE AND HUMANS	09:30 - 09:30
	<i>Speaker:</i> Razmig Derounian (France)	
PS05-28AM-613	"EXPLORING THE IMPACT OF TRANSGLUTAMINASE 2 IN PARKINSON'S DISEASE: MITOCHONDRIAL DYSFUNCTION AND PROTEOMIC PATHWAYS	09:30 - 09:30
	<i>Speaker:</i> Bishr Shibani (United Kingdom)	
PS05-28AM-614	CONTRIBUTION OF INHIBITORY NEURONS TO MOTOR AND SOCIAL PHENOTYPES IN ALS-FTD MOUSE MODELS	09:30 - 09:30
	<i>Speaker:</i> Félicie Lorenc (France)	
PS05-28AM-615	SLEEP ALTERATIONS IN AMYOTROPHIC LATERAL SCLEROSIS	09:30 - 09:30
	<i>Speaker:</i> Simon Guillot (France)	
PS05-28AM-616	EXPLORING ALTERED TRANSLATION IN AUTISM SPECTRUM DISORDER	09:30 - 09:30
	<i>Speaker:</i> Jose Ignacio Astorga (Germany)	
PS05-28AM-617	THE FUNCTIONAL RESCUE OF NOVEL EPILEPSY-LINKED MISSENSE MUTATIONS IN THE HUMAN GABA TRANSPORTER 1 BY PHARMACOCAPERONING	09:30 - 09:30
	<i>Speaker:</i> Nikita Shah (Austria)	
PS05-28AM-618	DEVELOPMENTAL DELAY IN STRIATAL SYNAPTIC PRUNING IN LYSOSOMAL STORAGE DISORDES	09:30 - 09:30
	<i>Speaker:</i> Mariagrazia Monaco (Italy)	
PS05-28AM-619	MODELLING DRAVET SYNDROME USING HUMAN INDUCED PLURIPOTENT STEM CELL (HIPSC)-DERIVED NEURAL CIRCUITS	09:30 - 09:30
	<i>Speaker:</i> Federica Riccio (United Kingdom)	
PS05-28AM-620	CHANGES IN MITOCHONDRIAL RESPIRATION AND MITOCHONDRIAL DYNAMICS INDUCED BY MITOCHONDRIAL COMPLEX I INHIBITION IN PRIMARY CORTICAL NEURONS: ASSOCIATION WITH SCHIZOPHRENIA-LIKE PHENOTYPE	09:30 - 09:30
	<i>Speaker:</i> Amanda Siena dos Santos (Brazil)	
PS05-28AM-621	DEVELOPMENT OF A NEW CELL MODEL OF HUNTINGTON'S DISEASE TO EVALUATE THE EFFECTIVENESS OF POTENTIAL DRUGS AT PRECLINICAL STAGES	09:30 - 09:30
	<i>Speaker:</i> Nina Kraskovskaya (Russian Federation)	
PS05-28AM-622	EFFECTS OF LOSS OF THE BÖRJESON-FORSSMAN-LEHMANN SYNDROME GENE <i>PHF6</i> ON BRAIN DEVELOPMENT	09:30 - 09:30
	<i>Speaker:</i> Melody Leong (Australia)	
PS05-28AM-623	ROLE OF LATE ENDOSOMAL AUTOPHAGY-DEPENDENT SECRETION IN NEURODEGENERATION	09:30 - 09:30
	<i>Speaker:</i> Ivan Ktorza (France)	
PS05-28AM-624	TESTING THE THERAPEUTIC EFFECTS OF AUTOPHAGY ENHANCEMENT IN A RETT SYNDROME MOUSE MODEL	09:30 - 09:30
	<i>Speaker:</i> Gaia Tartaglione (Italy)	
PS05-28AM-625	GENETIC AND CLINICAL INSIGHTS INTO CADASIL PATIENTS IN CYPRUS	09:30 - 09:30
	<i>Speaker:</i> Mai Alaraimi (Cyprus)	

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Neurobiological Factors in Performance

PS05-28AM-592 **EYEBLINK PATTERNS IN SIMULATED SPORTS DRIVING: THE IMPACT OF DRIVING PERFORMANCE, EYEBLINK RATE, AND INDIVIDUAL FACTORS** 09:30 - 09:30

Speaker: Ryota Nishizono (Japan)

PS05-28AM-593 **ROLE OF TESTOSTERONE AND CORTISOL IN FORMULA CAR DRIVERS FOR ACHIEVING HIGH PERFORMANCE IN A REAL COMPETITIVE SITUATION** 09:30 - 09:30

Speaker: Yuuki Ooishi (Japan)

PS05-28AM-594 **RELATIONSHIP OF AUTONOMIC CARDIAC CONTROL AND OCCIPITAL THETA POWER WITH COMPETITIVE PERFORMANCE IN ELITE FREESTYLE SNOWBOARDERS** 09:30 - 09:30

Speaker: SEIJI MATSUMURA (Japan)

PS05-28AM-595 **BLINK, AND MISS IT: THE DYNAMICS OF PUPILLARY RESPONSE DISTINGUISHES 'ATTENTIONAL BLINK' IN RAPID STREAM OF INFORMATION** 09:30 - 09:30

Speaker: Pragya Pandey (India)

PS05-28AM-596 **THE SHORT AND LONG OF MOTOR PRACTICE SESSIONS: EQUAL PERFORMANCE GAINS BUT DIFFERENT "HOW TO" KNOWLEDGE** 09:30 - 09:30

Speaker: Gil Leizerowitz (Israel)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Alzheimer's Disease Pathology

PS05-28AM-245 **DETERMINATION OF THE THRESHOLD PLASMA AB42/40 RATIO FOR ALZHEIMER'S DISEASE DIAGNOSIS AND IDENTIFICATION OF CONFOUNDING FACTORS: THE ROLE OF CNS-DERIVED EVS** 09:30 - 09:30

Speaker: Emilien Boyer (Belgium)

PS05-28AM-246 **CELL-DERIVED AB ASSEMBLIES ACT AS SEEDS TO PROPAGATE AMYLOID PATHOLOGY** 09:30 - 09:30

Speaker: Pascal Kienlen-Campard (Belgium)

PS05-28AM-247 **ALZHEIMER'S DISEASE-ASSOCIATED PRESENILIN 2 INFLUENCES THE LIPIDIC PROFILE** 09:30 - 09:30

Speaker: Shirine Saleki (Belgium)

PS05-28AM-248 **EARLY ONSET OF TAU PATHOLOGY IN THE OLFACTORY SYSTEM OF PS19 MICE: A PATHWAY FOR THE PROGRESSION OF TAUOPATHY IN THE CENTRAL NERVOUS SYSTEM** 09:30 - 09:30

Speaker: Marion Dourte (Belgium)

PS05-28AM-249 **CHARACTERISATION OF BRAIN SENESCENCE AND ITS CONTRIBUTION TO ALZHEIMER'S DISEASE TAUOPATHY** 09:30 - 09:30

Speaker: Debora Xining Palomares Pedroviejo (Belgium)

PS05-28AM-250 **THE ROLE OF MITOCHONDRIAL DYSFUNCTION IN CELLULAR SENESCENCE AND ALZHEIMER'S DISEASE-RELATED AMYLOID PATHOLOGY** 09:30 - 09:30

Speaker: Nuria Suelves Caballol (Belgium)

PS05-28AM-251 **SPATIAL TRANSCRIPTOMICS REVEALS COMMON PATHWAYS IN ALZHEIMER'S DISEASE AND DOWN SYNDROME** 09:30 - 09:30

Speaker: Arshi Shahin (United States)

PS05-28AM-252 **LOSS OF NEUROPROTECTION IN ALZHEIMER'S DISEASE: SHEDDING LIGHT ON BDNF RECEPTOR CLEAVAGE AND ITS** 09:30 - 09:30

MIRRORING IN EXTRACELLULAR VESICLES*Speaker:* Tiago Costa-Coelho (Portugal)

PS05-28AM-253 **A POTENTIAL NEW SOURCE OF TRKB DYSREGULATION: MICROGLIA POSSESS THE MACHINERY FOR BDNF RECEPTOR CLEAVAGE** 09:30 - 09:30

Speaker: Mafalda Ferreira-Manso (Portugal)

PS05-28AM-254 **EARLY MICROSTRUCTURAL ALTERATIONS IN ALZHEIMER'S DISEASE: NOVEL MRI BIOMARKERS OF A β DEPOSITION AND GLIAL ACTIVATION IN APP/PS1 MOUSE MODEL** 09:30 - 09:30

Speaker: Patricia Martínez Tazo (Spain)

PS05-28AM-255 **FUNCTIONAL AND MICROSTRUCTURAL MRI SUBSTRATES OF CONSERVED MEMORY IN HEALTHY AGEING** 09:30 - 09:30

Speaker: Elena Espinós Soler (Spain)

PS05-28AM-256 **INVESTIGATION OF BLOOD-BRAIN BARRIER TRANSPORTER DYSFUNCTION IN SPORADIC ALZHEIMER'S DISEASE: INSIGHTS FROM PATIENT IPSC-DERIVED MODELS** 09:30 - 09:30

Speaker: Juliana Cristina da Silva Chaves (Australia)

PS05-28AM-257 **COMBINED BULK TRANSCRIPTOMICS REVEALS A NEURODEVELOPMENTAL SIGNATURE IN THE ALZHEIMER'S DISEASE POSTMORTEM BRAIN** 09:30 - 09:30

Speaker: Giovanna Carello-Collar (Brazil)

PS05-28AM-258 **INVESTIGATING THE ASSOCIATION BETWEEN THE NOVEL GAP-43 CONCENTRATION WITH DIFFUSION TENSOR IMAGING INDICES IN ALZHEIMER'S DEMENTIA CONTINUUM** 09:30 - 09:30

Speaker: Elham Habibzadeh Khiaban (Iran)

PS05-28AM-259 **ADIPONECTIN DEFICIENCY EXACERBATES CEREBROVASCULAR DYSFUNCTION IN 5XFAD MOUSE MODEL OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Wenying Zou (China)

PS05-28AM-260 **COMPUTATIONAL ANALYSIS OF ALZHEIMER'S DISEASE-ASSOCIATED MISSENSE SNPS TO UNDERSTAND UNDERLYING MOLECULAR MECHANISMS AND IDENTIFY DIAGNOSTIC BIOMARKERS** 09:30 - 09:30

Speaker: Aziza Abugaliyeva (Qatar)

PS05-28AM-261 **LPS AND PRE-AGGREGATED ABETA 1-42 LEAD TO AN INCREASED NEUROINFLAMMATORY RESPONSE IN CEREBRAL ORGANIDS** 09:30 - 09:30

Speaker: Izaskun Itxaso (Austria)

PS05-28AM-262 **THERMOREGULATION IN THE TRIPLE TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE: INSIGHTS AND BIOMARKER POTENTIAL** 09:30 - 09:30

Speaker: Dorottya Várkonyi (Hungary)

PS05-28AM-263 **EMOTIONAL AND BLOOD-BRAIN BARRIER ALTERATIONS PRECEDE COGNITIVE DYSFUNCTION IN A MOUSE MODEL OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Guillaume Benhora-Chabeaux (France)

PS05-28AM-264 **CIRCULATING MICRORNA: A PROMISING AVENUE FOR AD DIAGNOSIS AND NOVEL THERAPEUTIC TARGETS** 09:30 - 09:30

Speaker: Agnese Graziosi (Italy)

PS05-28AM-265 **THE BRAIN GUT AXIS IN ALZHEIMER'S DISEASE : INSIGHTS INTO A NEW CLEARANCE MECHANISM OF AMYLOID BETA PEPTIDE AND TAU PROTEIN** 09:30 - 09:30

Speaker: Maxime Seignobos (France)

PS05-28AM-266	INDIVIDUALS WITH SUBJECTIVE COGNITIVE IMPAIRMENT EXHIBIT ELEVATED LEVELS OF TNF-A, WHICH ARE NEGATIVELY CORRELATED WITH B AMYLOID-42	09:30 - 09:30
<i>Speaker:</i> Sara Serafini (Italy)		
PS05-28AM-267	SINGLE-NUCLEUS AND SPATIAL TRANSCRIPTOMIC PROFILING OF HUMAN TEMPORAL CORTEX AND ASSOCIATED WHITE MATTER REVEALS NOVEL AD TRAIT ASSOCIATIONS	09:30 - 09:30
<i>Speaker:</i> Pallavi Gaur (United States)		
PS05-28AM-268	BRAIN DELIVERY AND EFFICACY OF A BBB SHUTTLE-ENHANCED ADUCANUMAB BIOSIMILAR IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Thomas Topilko (Denmark)		
PS05-28AM-269	CISTERNA MAGNA INFUSION OF B-AMYLOID ANTIBODY REDUCES ALZHEIMER'S DISEASE PATHOLOGY IN MOUSE MODELS	09:30 - 09:30
<i>Speaker:</i> Gehua Wen (Sweden)		
PS05-28AM-270	IRISIN LEVELS IN CEREBROSPINAL FLUID CORRELATE WITH BIOMARKERS AND CLINICAL DEMENTIA SCORES IN ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Manuela Dicarlo (Italy)		
PS05-28AM-271	SERUM IRISIN LEVELS POSITIVELY CORRELATE WITH NEUROPSYCHOLOGICAL SCORES IN PATIENTS WITH DEMENTIA AND COULD BE A POTENTIAL BIOMARKER OF ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Patrizia Pignataro (Italy)		
PS05-28AM-272	EXPLORING THE RELATIONSHIP BETWEEN ADIPOSE TISSUE AND ALZHEIMER'S DISEASE PATHOGENESIS	09:30 - 09:30
<i>Speaker:</i> Miriam Bettinetti-Luque (Spain)		
PS05-28AM-273	TFEB-LOADED EXOSOMES MEDIATED AUTOPHAGY INDUCTION IN ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Heewon Cho (Korea, Republic of)		
PS05-28AM-274	MEDICA ATTENUATE COGNITIVE DEFICITS AND NEUROINFLAMMATION	09:30 - 09:30
<i>Speaker:</i> Yeji Jeon (Korea, Republic of)		
PS05-28AM-275	AMYLOID-B PREDICTS OSCILLATORY SLOWING AND REDUCED FUNCTIONAL CONNECTIVITY OVER TIME IN COGNITIVELY UNIMPAIRED ADULTS	09:30 - 09:30
<i>Speaker:</i> Elliz Scheijbeler (Netherlands)		
PS05-28AM-276	CHRONIC LATENT TOXOPLASMA GONDII INFECTION PRECIPITATES COGNITIVE DECLINE IN AN INDUCIBLE ALZHEIMER'S DISEASE MODEL	09:30 - 09:30
<i>Speaker:</i> Elisa Roitg (France)		
PS05-28AM-277	EFFICACY AND SAFETY OF ANTI-AMYLOID ANTIBODIES IN ALZHEIMER'S DISEASE: A COMPARISON OF CONVENTIONAL, BAYESIAN AND FREQUENTIST NETWORK META-ANALYSES	09:30 - 09:30
<i>Speaker:</i> Danko Jeremic (Spain)		
PS05-28AM-278	UNVEILING DISEASE TRAJECTORIES WITH OPTIVIS DIGITAL TWINS: FROM MCI TO ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Seung Hyun Baek (Korea, Republic of)		
PS05-28AM-279	OCULAR BIOMARKERS FOR EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE IN NON-HUMAN PRIMATE MODEL	09:30 - 09:30
<i>Speaker:</i> Louiza Arouche Delaperche (France)		

PS05-28AM-280	NEUROENDOCRINE DYSREGULATION IN MICROGLIAL CELLS DURING THE PROGRESSION OF ALZHEIMER'S DISEASE: PRELIMINARY INSIGHTS FROM GENE EXPRESSION ANALYSIS	09:30 - 09:30
<i>Speaker:</i> Arif Kamil Salihoglu (Turkey)		
PS05-28AM-281	TNAP AND P2X7R: NEW PLASMA BIOMARKERS FOR ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Paloma Aivar (Spain)		
PS05-28AM-282	EXPLORING THE COMBINATORIAL, DIAGNOSTIC UTILITY OF MULTIMODAL BIOMARKERS IN DIFFERENTIALLY DIAGNOSING DEMENTIA WITH LEWY BODIES FROM ALZHEIMER'S THROUGH PREDICTIVE STATISTICAL MODELLING	09:30 - 09:30
<i>Speaker:</i> Katherine Birditt (United Kingdom)		
PS05-28AM-283	CIRCULATING MICRORNAS AS BIOMARKER FOR ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Nina Hempel (Germany)		
PS05-28AM-284	CROSS SPECIES SINGLE-CELL/NUCLEUS RNA-SEQ UNCOVERS THE EVOLUTIONARILY CONSERVED PATHOLOGICAL MECHANISMS OF VASCULAR CONTRIBUTION TO ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Elanur Yilmaz (United States)		
PS05-28AM-285	P.GINGIVALIS AND TITANIUM OXIDE NANO PARTICLES INDUCE INFLAMMATION IN BBB MICROGLIA IN-VITRO	09:30 - 09:30
<i>Speaker:</i> Yasmin Louzon (Israel)		
PS05-28AM-286	THE NEUROPATHOLOGIC BASIS FOR TRANSLATIONAL BIOMARKER DEVELOPMENT IN THE MACAQUE MODEL OF LATE-ONSET ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Alvaro Duque (United States)		
PS05-28AM-288	THE INTERPLAY BETWEEN OXIDATIVE STRESS, MITOCHONDRIAL DYSFUNCTION AND ALTERATION OF PARVALBUMIN INTERNEURONS IN POSTMORTEM BRAIN OF ALZHEIMER'S DISEASE AND MILD COGNITIVE IMPAIRMENT PATIENTS	09:30 - 09:30
<i>Speaker:</i> Andrea Piotti (Switzerland)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Neurological Disorder Mechanisms		
PS05-28AM-512	HIPPOCAMPAL REPLAY EVENTS ARE IMPAIRED IN A RAT MODEL OF FRAGILE X SYNDROME	09:30 - 09:30
<i>Speaker:</i> Margaret Donahue (United States)		
PS05-28AM-513	IMPAIRED HIPPOCAMPAL CA2 PLACE CELL RESPONSES TO SOCIAL ODORS IN A RAT MODEL OF FRAGILE X SYNDROME	09:30 - 09:30
<i>Speaker:</i> Emma Robson (United States)		
PS05-28AM-514	EXPLORING THE MOLECULAR AND MORPHO-FUNCTIONAL DIFFERENCES IN A KNOCK-IN MODEL OF FRAGILE X SYNDROME	09:30 - 09:30
<i>Speaker:</i> Isabel Chato Astrain (France)		
PS05-28AM-515	LOCALISATION AND INTERACTOME ANALYSIS OF DYSTROPHIN ISOFORMS IN THE MOUSE BRAIN	09:30 - 09:30
<i>Speaker:</i> Konstantina Teterou (United Kingdom)		
PS05-28AM-516	UNRAVELING GLUTAMATERGIC DYSREGULATION IN RARB NULL MICE STRIATAL SYNAPSES AND ITS IMPLICATIONS IN NEUROLOGICAL DISORDERS	09:30 - 09:30
<i>Speaker:</i> Hanna Semaan (France)		

PS05-28AM-517	CONTROL OF NEURAL PRECURSOR CELLS PROLIFERATION AND DIFFERENTIATION BY THE FRAGILE X MESSENGER RIBONUCLEOPROTEIN 1 (FMRP): INSIGHTS INTO THE ETIOLOGY OF FRAGILE X SYNDROME	09:30 - 09:30
	<i>Speaker:</i> Olivier Dionne (Canada)	
PS05-28AM-518	COMPARATIVE STUDY OF SOCIAL BEHAVIOR IN SEVERAL MOUSE MODELS OF DUCHENNE MUSCULAR DYSTROPHY	09:30 - 09:30
	<i>Speaker:</i> Léa Ceschi (France)	
PS05-28AM-519	ERBB INHIBITION RESCUES NIGRAL DOPAMINE NEURON HYPERACTIVITY AND REPETITIVE BEHAVIORS IN A MOUSE MODEL OF FRAGILE X SYNDROME	09:30 - 09:30
	<i>Speaker:</i> Ada Ledonne (Italy)	
PS05-28AM-520	SUMOYLATION TUNES ACTIN DYNAMICS IN DENDRITIC SPINES BY UNLOCKING THE AUTOINHIBITORY INTERACTION BETWEEN THE BAR AND GAP DOMAINS OF OPHN1	09:30 - 09:30
	<i>Speaker:</i> Alessandra Folci (Italy)	
PS05-28AM-521	FOXG1 CONTROLS CELLULAR FUNCTION AND TISSUE ARCHITECTURE IN 2D NEURAL ROSETTES AND 3D CEREBRAL ORGANOID MODELS OF EPILEPSY	09:30 - 09:30
	<i>Speaker:</i> Dwaipayan Adhya (United Kingdom)	
PS05-28AM-522	CYFIP1 ASSOCIATES WITH ASTROCYTIC FOCAL ADHESION, DISTINCT FROM CYFIP2: ANALYSIS OF PROTEIN INTERACTOME AND CELLULAR EXPRESSION PROFILING	09:30 - 09:30
	<i>Speaker:</i> Ruiying Ma (Korea, Republic of)	
PS05-28AM-523	WHOLE-BRAIN PERINEURONAL NET AND PARVALBUMIN EXPRESSION ANALYSIS IN FRAGILE X SYNDROME MICE	09:30 - 09:30
	<i>Speaker:</i> Lorenzo Cifarelli (Italy)	
PS05-28AM-524	FRAGILE-X-MESSENGER RIBONUCLEOPROTEIN MEDIATES BDNF-INDUCED UPREGULATION OF GLUN2B-CONTAINING NMDA RECEPTORS: ROLE IN LTP OF CA1 SYNAPSES	09:30 - 09:30
	<i>Speaker:</i> Elisa Corti (Portugal)	
PS05-28AM-525	UNRAVELING THE INTERCONNECTED FUNCTIONS OF NEURODEVELOPMENTAL DISORDER-ASSOCIATED CYFIP2 FROM ACTIN DYNAMICS TO MEMBRANELESS ORGANELLES FORMATION AND PROTEIN SYNTHESIS REGULATION	09:30 - 09:30
	<i>Speaker:</i> Hyae Rim Kang (Korea, Republic of)	
PS05-28AM-526	A MULTI-OMICS AND FUNCTIONAL INVESTIGATION OF BRAINS LACKING FULL-LENGTH DYSTROPHINS	09:30 - 09:30
	<i>Speaker:</i> Joanna Pomeroy (United Kingdom)	
PS05-28AM-527	ROLE OF FMRP IN PRESYNAPTIC MECHANISMS AT DG-CA3 SYNAPSE	09:30 - 09:30
	<i>Speaker:</i> Simon Lecomte (France)	
PS05-28AM-528	CELLULAR RESPONSE TO OXIDATIVE STRESS AND SENESCENCE IN <i>FMR1</i> KNOCKOUT MICE MODELLING FRAGILE X SYNDROME	09:30 - 09:30
	<i>Speaker:</i> Michela Spatuzza (Italy)	
PS05-28AM-529	CHARACTERIZATION OF ASD ASSOCIATED <i>FOXP</i> GENES IN NEURAL CIRCUIT FORMATION	09:30 - 09:30
	<i>Speaker:</i> Hanna Yelisseyeva (Switzerland)	
PS05-28AM-530	IDENTIFICATION OF XK-RELATED PROTEIN 6 (XKR6) AS A NOVEL PRESYNAPTIC PROTEIN IN THE MAMMALIAN BRAIN	09:30 - 09:30
	<i>Speaker:</i> Spyridon Thivaios (Germany)	
PS05-28AM-531	THE EFFECT OF IMPRINTED INHERITANCE ON EMBRYONIC	09:30 - 09:30

MOUSE BRAIN DEVELOPMENT IN THE *FMR1*-KO PARENT DERIVED OFFSPRING

Speaker: Sara Ebrahimiazar (Japan)

PS05-28AM-532 **REPRESENTATION OF HIGH AND LOW FREQUENCY MOUSE VOCALIZATIONS IN THE AUDITORY MIDBRAIN AND AMYGDALA OF FRAGILE X MICE** 09:30 - 09:30

Speaker: Ursula Koch (Germany)

PS05-28AM-533 **NEURONAL DEVELOPMENT REQUIRES UFMYLATION** 09:30 - 09:30

Speaker: Catarina Perdigão (Germany)

PS05-28AM-535 **DISTINCT TRAJECTORIES OF OLIGODENDROCYTE DEVELOPMENT IN THE GENETIC MOSAIC BRAIN OF FEMALE MOUSE MODEL OF FRAGILE X SYNDROME** 09:30 - 09:30

Speaker: Darshana Kalita (Germany)

PS05-28AM-536 **THE NKCC1 INHIBITOR BUMETANIDE RESTORES CORTICAL FEEDFORWARD INHIBITION AND LESSENS SENSORY HYPERSENSITIVITY IN EARLY POSTNATAL FRAGILE X MICE.** 09:30 - 09:30

Speaker: Nazim Kourdougli (United States)

PS05-28AM-537 **INTERPLAY BETWEEN PROTEIN DOMAINS IN THE LIQUID-LIQUID PHASE SEPARATION OF FOXP2** 09:30 - 09:30

Speaker: Marco Dell'Oca (Italy)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Biological Rhythms Regulation

PS05-28AM-105 **A ROLE FOR INTEROCEPTIVE VGLUT2-EXPRESSING NEURONS IN THE JUGULAR-NODOSE GANGLION OF THE LEFT VAGUS NERVE IN THE REGULATION OF SLEEP ARCHITECTURE AND SPECTRAL COMPOSITION** 09:30 - 09:30

Speaker: Laura Fernandez (Switzerland)

PS05-28AM-106 **NORADRENERGIC *LOCUS COERULEUS* ACTIVITY FUNCTIONALLY PARTITIONS NREM SLEEP TO GATEKEEP THE NREM-REM SLEEP CYCLE** 09:30 - 09:30

Speaker: Georgios Foustoukos (Switzerland)

PS05-28AM-107 **EXPLORING NORADRENERGIC SIGNALING AND SLEEP PATTERNS IN PRODROMAL STAGES OF ALZHEIMER'S DISEASE MOUSE MODELS** 09:30 - 09:30

Speaker: Paola Milanese (Switzerland)

PS05-28AM-108 **INTERACTIONS OF A SLEEP-CONTROL CENTRE WITH A NEURAL CIRCUIT USED FOR NAVIGATION** 09:30 - 09:30

Speaker: Lea Ballenberger (United Kingdom)

PS05-28AM-109 **MUTATIONS IN POTASSIUM CHANNEL BETA SUBUNITS PERTURB SLEEP STATE TRANSITIONS IN MICE** 09:30 - 09:30

Speaker: Haram Park (United Kingdom)

PS05-28AM-110 **MITOCHONDRIAL ORIGINS OF SLEEP PRESSURE CONTROL** 09:30 - 09:30

Speaker: Raffaele Sarnataro (United Kingdom)

PS05-28AM-111 **A HALF-CENTRE OSCILLATOR ENCODES SLEEP NEED IN THE *DROSOPHILA* BRAIN** 09:30 - 09:30

Speaker: Peter Hasenhuettl (United Kingdom)

PS05-28AM-112 **DOES SLEEP PROTECT AGAINST OXIDATIVE STRESS?** 09:30 - 09:30

Speaker: Alina Krebbers (United Kingdom)

PS05-28AM-113 **K_v CHANNELS INTEGRATE SLEEP PRESSURE IN A VOLTAGE-** 09:30 - 09:30

GATED LIPID PEROXIDATION MEMORY*Speaker:* Hans Olof Rorsman (United Kingdom)

PS05-28AM-114 **NEURAL AND BEHAVIORAL ORGANIZATION OF RAPID EYE MOVEMENT SLEEP IN ZEBRAFISH** 09:30 - 09:30

Speaker: Vikash Choudhary (Germany)

PS05-28AM-115 **PONTINE ASTROCYTE ACTIVATION SUPPRESSES RAPID EYE MOVEMENT SLEEP** 09:30 - 09:30

Speaker: Lucy Morton (United Kingdom)

PS05-28AM-116 **STATE DEPENDENCE OF PONTINE ASTROCYTE CALCIUM DYNAMICS ACROSS SLEEP-WAKE CYCLES** 09:30 - 09:30

Speaker: Yuri Elias Rodrigues (United Kingdom)

PS05-28AM-117 **EFFECTS OF CHEMOGENETIC INHIBITION OF MESOPONTINE CHOLINERGIC NEURONS ON REM SLEEP AND PGO WAVES IN MICE** 09:30 - 09:30

Speaker: Erin Moran (United Kingdom)

PS05-28AM-118 **BRAIN-WIDE EFFECTS OF PONTINE WAVES ACROSS SLEEP STAGES** 09:30 - 09:30

Speaker: Mirna Merkler (United Kingdom)

PS05-28AM-119 **IDENTIFICATION OF A SUBPOPULATION OF NEURONS IN THE BRAINSTEM PONS WHOSE ACTIVATION INCREASES NREM SLEEP** 09:30 - 09:30

Speaker: Ami Kaneko (Japan)

PS05-28AM-120 **ELECTROPHYSIOLOGICAL RECORDING OF THE ACTIVITY OF A NOVEL SUBTYPE OF REM SLEEP REGULATING NEURONS ACROSS THE SLEEP/WAKE CYCLE** 09:30 - 09:30

Speaker: Yoshifumi Arai (Japan)

PS05-28AM-121 **RAPID EYE MOVEMENT SLEEP IS INITIATED BY BASOLATERAL AMYGDALA DOPAMINE SIGNALING IN MICE** 09:30 - 09:30

Speaker: Emi Hasegawa (Japan)

PS05-28AM-122 **CROSSTALK BETWEEN THE SUBICULUM AND SLEEP-WAKE REGULATION: A PRELIMINARY STUDY** 09:30 - 09:30

Speaker: Sadegh Rahimi (Austria)

PS05-28AM-123 **CHARACTERIZING SLEEP IN A 22Q11.2 DELETION MOUSE MODEL OF PSYCHIATRIC DISORDERS** 09:30 - 09:30

Speaker: Julia Berger (Denmark)

PS05-28AM-124 **THE ROLE OF HIPPOCAMPAL ASTROCYTES IN SLEEP** 09:30 - 09:30

Speaker: Cecilie Nome (Norway)

PS05-28AM-125 **NEOCORTICAL LONG-RANGE INHIBITORY NEURONS COORDINATE STATE-DEPENDENT NETWORK SYNCHRONIZATION AND PROMOTE SLEEP** 09:30 - 09:30

Speaker: Geoffrey Terral (United States)

PS05-28AM-126 **MODULATION OF NREM SLEEP BY CORTICOTROPIN-RELEASING HORMONE THROUGH THE THALAMIC RETICULAR NUCLEUS** 09:30 - 09:30

Speaker: Simone Astori (Switzerland)

PS05-28AM-127 **BOTH ABLATION AND ACTIVATION OF THE PREOPTIC AREA CAUSE SLEEP FRAGMENTATION** 09:30 - 09:30

Speaker: Ayako Imamura (Japan)

PS05-28AM-128 **SLEEP-SPINDLE TRIGGERED CLOSED-LOOP NEUROMODULATION OF PATHOLOGICAL ANXIETY IN RATS** 09:30 - 09:30

Speaker: Andrea Pejin (Hungary)

PS05-28AM-129	GLUTAMATERGIC NEURONS IN THE SUBTHALAMIC NUCLEUS REGULATE AROUSAL AND REM SLEEP	09:30 - 09:30
	<i>Speaker:</i> Sara Wong (United Kingdom)	
PS05-28AM-130	EFFECT OF OPEN-LOOP AUDITORY STIMULUS DURING NREM SLEEP AMONG YOUTH & GERIATRIC SUBJECTS: A COMPARATIVE NAP STUDY	09:30 - 09:30
	<i>Speaker:</i> Safoora Naaz (India)	
PS05-28AM-131	CHEMOGENETIC ACTIVATION OF THALAMIC SUBNUCLEI DISTINCTIVELY IMPAIRS SLEEP PHYSIOLOGY	09:30 - 09:30
	<i>Speaker:</i> Philipp Janz (Switzerland)	
PS05-28AM-132	DECODING SLEEP PATTERNS: UNRAVELING TEMAZEPAM IMPACT THROUGH BENDR ENCODER AND ITS LATENT SPACE ANALYSIS	09:30 - 09:30
	<i>Speaker:</i> Julia Jakubowska (Poland)	
PS05-28AM-133	EXPLORING THE NEUROPROTECTIVE EFFECT OF AUDITORY ENHANCED SLOW-WAVE SLEEP IN A MOUSE MODEL OF ALZHEIMER'S DISEASE	09:30 - 09:30
	<i>Speaker:</i> Inês Dias (Switzerland)	
PS05-28AM-134	FEEDBACK OF BLOOD CORTICOSTERONE AND GLUCOSE LEVELS TO THE SUPRACHIASMATIC NUCLEUS	09:30 - 09:30
	<i>Speaker:</i> Rudolf Buijs (Mexico)	
PS05-28AM-135	EFFECTS OF PARTIAL LESIONS OF HYPOCRETIN NEURONS IN THE LATERAL HYPOTHALAMUS ON SLEEP IN RATS	09:30 - 09:30
	<i>Speaker:</i> Mariia Lebedeva (Czech Republic)	
PS05-28AM-136	SLEEP ARCHITECTURE IN C57BL/6 MICE PREDICTS ANXIOUS PHENOTYPES: TOWARDS A FIRST ROBUST ANIMAL MODEL FOR POSTOPERATIVE DELIRIUM	09:30 - 09:30
	<i>Speaker:</i> Alp Altunkaya (Germany)	
PS05-28AM-137	MELATONIN AND MELATONIN-DERIVED H₂S-CONTAINING COMPOUNDS ACT AS NEW KV7.4 ACTIVATORS	09:30 - 09:30
	<i>Speaker:</i> Giorgio Belperio (Italy)	
PS05-28AM-138	A REM-ACTIVE BASAL GANGLIA CIRCUIT THAT REGULATES ANXIETY	09:30 - 09:30
	<i>Speaker:</i> Wei Ba (United Kingdom)	
PS05-28AM-139	OREXIN RECEPTOR 2 HAS DUAL EXCITATORY AND INHIBITORY FUNCTIONS ON MCH NEURONS THAT MODULATE SLEEP AND METABOLISM	09:30 - 09:30
	<i>Speaker:</i> Shuntaro Izawa (Germany)	
PS05-28AM-140	LOCAL ACTIVATION OF RCB1 SUPPRESSES BURST FIRING OF NEURONS IN THE RETICULAR THALAMIC NUCLEUS	09:30 - 09:30
	<i>Speaker:</i> Alberto Alatorre (Mexico)	
PS05-28AM-141	NEW CIRCUIT FOR RESPIRATORY DEPRESSION, ANESTHESIA AND SLOW WAVE OSCILLATIONS MU-OPIOIDS→MHB→IPN→DRN + PAG + MRN	09:30 - 09:30
	<i>Speaker:</i> Karin Vadovicova (Ireland)	
PS05-28AM-142	STABILITY OF HYPOTHALAMIC NEURAL POPULATION ACTIVITY DURING SLEEP-WAKE STATES	09:30 - 09:30
	<i>Speaker:</i> yudong yan (Switzerland)	
PS05-28AM-143	COMMUNICATION BETWEEN THE SUPRACHIASMATIC NUCLEUS AND THE SUBPARAVENTRICULAR ZONE OF THE HYPOTHALAMUS	09:30 - 09:30
	<i>Speaker:</i> FRANCESCA RAFFIN (United States)	

Poster Sessions

09:30 - 13:00

Posters

PS05 - Poster Session 05 (Poster authors in attendance: 11:30 - 13:00)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Nicotinic Receptor Dynamics

PS05-28AM-144 **ROLE OF THE INTERNEURONS IN PREFRONTAL-BASED ATTENTIONAL DYSFUNCTIONS IN NICOTINE ADDICTION** 09:30 - 09:30

Speaker: Kevin Letort (France)

PS05-28AM-145 **INVESTIGATING THE ROLE OF A5 CONTAINING NICOTINIC ACETYLCHOLINE RECEPTORS IN EATING DISORDERS** 09:30 - 09:30

Speaker: Chloé Bouarab (France)

PS05-28AM-146 **PRECISE SPATIOTEMPORAL PHOTORELEASE OF A SYSTEMICALLY ADMINISTERED CAGED NICOTINE AGONIST IN FREELY MOVING MICE** 09:30 - 09:30

Speaker: Nicolas Guyon (France)

PS05-28AM-147 **EXPRESSION AND FUNCTION OF BETA2-CONTAINING NICOTINIC ACETYLCHOLINE RECEPTORS IN SPECIFIC NEURONAL POPULATIONS IN THE PREFRONTAL CORTEX** 09:30 - 09:30

Speaker: Helena Janickova (Czech Republic)

PS05-28AM-148 **UNDERSTANDING THE INFLUENCE OF THE GUT MICROBIOME ON THE MESOLIMBIC SYSTEM AND ITS RESPONSE TO NICOTINE** 09:30 - 09:30

Speaker: Yago Pazos Boubeta (France)

PS05-28AM-149 **NICOTINE BIASES MOTIVATIONAL VALENCE BY ALTERING BRAINSTEM CHOLINERGIC SIGNALS** 09:30 - 09:30

Speaker: Renan Costa Campos (France)

PS05-28AM-150 **COMBINED TREATMENT WITH THE GLYCINE TRANSPORTER-1-INHIBITOR ORG24598, VARENICLINE AND BUPROPION AS A NEW PHARMACOLOGICAL TREATMENT CONCEPT FOR ALCOHOL USE DISORDER** 09:30 - 09:30

Speaker: Yasmin Olsson (Sweden)

PS05-28AM-151 **NICOTINE EXPOSURE DURING ADOLESCENCE DISRUPTS THE DOPAMINERGIC CIRCUITRY IN THE VENTRAL TEGMENTAL AREA** 09:30 - 09:30

Speaker: Daiana Rigoni (France)

PS05-28AM-152 **A5 CONTAINING NICOTINIC ACETYLCHOLINE RECEPTORS ARE IMPORTANT MODULATORS OF AGGRESSIVE AND DOMINANT-LIKE BEHAVIORS IN RODENTS AND HUMANS** 09:30 - 09:30

Speaker: Morgane Besson (France)

PS05-28AM-153 **CHOLINERGIC REGULATION OF HEART EMPLOYS TWO CHOLINESTERASES WITH DISTINCT LOCALIZATION AND FUNCTIONS** 09:30 - 09:30

Speaker: Anna Paul Hrabovska (Slovakia)

PS05-28AM-154 **PRENATAL HYPOXIA, MATERNAL STRESS, AND THE IMPACT ON CHRNA7 GENE EXPRESSION: LINKING TO NICOTINE ADDICTION IN ADULT OFFSPRING** 09:30 - 09:30

Speaker: Viktor Stratilov (Russian Federation)

PS05-28AM-155 **THE HUMAN-SPECIFIC NICOTINIC RECEPTOR SUBUNIT CHRFA7A (DUPA7) REDUCES A7 NACHR FUNCTION IN HUMAN IPSC-DERIVED AND TRANSGENIC MOUSE NEURONS** 09:30 - 09:30

Speaker: Gokce Ilayda Gorgulu Soztekin (Austria)

PS05-28AM-156 **ROLE OF NICOTINIC ACETYLCHOLINE RECEPTORS EXPRESSED** 09:30 - 09:30

BY CHOLINERGIC INTERNEURONS IN THE CONTROL OF STRIATAL ACTIVITY

Speaker: Amanda Barboza (Czech Republic)

PS05-28AM-157 **KINETICS AND ASYNCHRONOUS PROPERTIES OF TWO DISTINCT NICOTINIC CURRENTS IN LAYER 1 OF PREFRONTAL CORTEX** 09:30 - 09:30

Speaker: MohammadFoad Abazari (Canada)

PS05-28AM-158 **UNRAVELLING THE ROLE OF PREFRONTAL ALPHA7 NICOTINIC ACETYLCHOLINE RECEPTORS IN INHIBITORY CONTROL IN PHYSIOLOGICAL AND PATHOLOGICAL CONTEXTS: A BEHAVIORAL INVESTIGATION USING TOUCHSCREEN TECHNOLOGY** 09:30 - 09:30

Speaker: Gabriela Medeiros (France)

PS05-28AM-159 **UNDERSTANDING THE NEUROBIOLOGICAL BASIS OF THE REWARDING PROPERTIES OF FLAVORED NICOTINE IN E-CIGARETTES** 09:30 - 09:30

Speaker: Alice MINARD (France)

PS05-28AM-160 **NICOTINIC CHOLINERGIC MODULATION OF REGIONAL BLOOD FLOW RESPONSES IN THE OLFACTORY BULB AND NEOCORTEX TO TRIGEMINAL OLFACTORY STIMULATION** 09:30 - 09:30

Speaker: Daichi Morihara (Japan)

PS05-28AM-161 **UNDERSTANDING THE ROLE OF STRIATAL CHOLINERGIC INTERNEURONS IN REWARD AND MOTIVATION PROCESSING** 09:30 - 09:30

Speaker: Suellen Almeida-Correa (Germany)

PS05-28AM-162 **CHOLINERGIC MODULATION OF ATTENTIONAL PERFORMANCE ON A SIGNAL DETECTION TASK: PHARMACOLOGICAL MODULATION OF NICOTINIC AND MUSCARINIC RECEPTORS** 09:30 - 09:30

Speaker: Harry Robson (United Kingdom)

PS05-28AM-163 **VTA CIRCUITRY SUSTAINS OPPOSITE RESPONSES OF DOPAMINERGIC NEURONS TO DRUGS OF ABUSE** 09:30 - 09:30

Speaker: Tinaïg Le Borgne (France)

PS05-28AM-164 **CUE REACTIVITY IN ELECTRONIC CIGARETTE USERS IS UNRELATED TO SIGN-TRACKING PROPENSITY** 09:30 - 09:30

Speaker: Polina Krom (United States)

PS05-28AM-165 **DECODING OF FMRI RESTING-STATE USING TASK-BASED MVPA SUPPORTS THE INCENTIVE-SENSITIZATION THEORY IN SMOKERS** 09:30 - 09:30

Speaker: Cindy Lor (Austria)

Poster Sessions

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Poster Session 05 - Spinal Cord Injury Recovery

PS05-28AM-217 **DISSECTING THE REQUIREMENTS FOR BIOLOGICAL REPAIR AND RESTORATION OF WALKING FOLLOWING INCREASINGLY SEVERE SPINAL CORD INJURIES AT DIFFERENT TIMEPOINTS** 09:30 - 09:30

Speaker: Alexandra de Coucy (Switzerland)

PS05-28AM-218 **THE TABULAE PARALYTICA: MULTIMODAL SINGLE-CELL ATLAS OF SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Alan Yue Yang Teo (Switzerland)

PS05-28AM-219 **NEUROPROSTHETIC INTERVENTIONS FOR ORTHOSTATIC HYPOTENSION IN NEUROLOGICAL DISEASES** 09:30 - 09:30

Speaker: Suje Amir (Switzerland)

PS05-28AM-220 **MAPPING NEURAL RECOVERY: COMPARATIVE MOLECULAR** 09:30 - 09:30

INSIGHTS INTO SPINAL CORD INJURY ACROSS SPECIES*Speaker:* Nicola Regazzi (Switzerland)

PS05-28AM-221 **NEURONAL REGENERATION TO RESTORE HAND AND ARM FUNCTIONS AFTER PARALYSIS** 09:30 - 09:30

Speaker: Achilleas Laskaratos (Switzerland)

PS05-28AM-222 **PHARMACOLOGICAL TREATMENT TARGETING ANGIOTENSIN RECEPTOR TYPE 2 AFTER SEVERE SPINAL CORD INJURY IMPROVES AXONAL AND MYELIN REGENERATION** 09:30 - 09:30

Speaker: Veronika Liptakova (Slovakia)

PS05-28AM-223 **EXPRESSION OF ANGIOTENSIN II RECEPTORS WITHIN HYPOTHALAMUS-PITUITARY-ADRENAL AXIS AFTER INJURY AT LOWER AND HIGHER THORACIC SPINAL LEVEL** 09:30 - 09:30

Speaker: Erika Hvozdičková (Slovakia)

PS05-28AM-224 **FUNCTIONAL STIMULATION SYSTEM FOR REHABILITATION OF GAIT AND DRIVING NEURAL PLASTICITY AFTER SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Sònia Trujillo Vázquez (Spain)

PS05-28AM-225 **NOT JUST A HIGHWAY: THE ROLE OF THE SPINAL CORD IN RATS' FORELIMB SKILLED FUNCTION** 09:30 - 09:30

Speaker: Diego López Santos (Spain)

PS05-28AM-226 **OPTIMIZING MUSCLE RECRUITMENT BY EXPLORING DIFFERENT PARAMETERS OF INTRANEURAL ELECTRICAL STIMULATION** 09:30 - 09:30

Speaker: Bruno Rodríguez-Meana (Spain)

PS05-28AM-227 **EXPLORING SYNERGISTIC SUPRASPINAL AND SENSORY EFFECTS ON ADAPTIVE PLASTICITY OF THE NEURONAL NETWORKS AFTER SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Nuria Antolin (Denmark)

PS05-28AM-228 **EFFECT OF CONTINUOUS INHIBITION OF IA FIBER ACTIVITY ON SPASTICITY SYMPTOM AND IA-A MOTONEURON CONNECTION AFTER SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Takuto Hanasaki (Japan)

PS05-28AM-229 **INVESTIGATING THE RECOVERY OF NEONATAL RATS FROM COMPRESSION SPINAL CORD INJURY UTILIZING A NOVEL 3D PRINTED SPACER MODEL** 09:30 - 09:30

Speaker: Reggie Ridlen (Australia)

PS05-28AM-230 **VSX1 EXPRESSION IN V2 PRECURSOR CELLS AT EMBRYOLOGICAL STAGES COULD BE USED TO FOLLOW SPARED V2 INTERNEURONS AFTER A TRAUMATIC INJURY IN THE ADULTHOOD** 09:30 - 09:30

Speaker: Ana Dominguez Bajo (Belgium)

PS05-28AM-231 **QUANTITATIVE ANALYSIS OF NEURAL ACTIVITY IN THE VENTRAL NUCLEUS OF THE MEDULLARY RETICULAR NUCLEUS IN MICE DEVELOPING SPASTICITY AFTER STROKE USING ACTIVITY-DEPENDENT MANGANESE CONTRAST-ENHANCED MRI** 09:30 - 09:30

Speaker: Sachiko Hotta(Lee) (Japan)

PS05-28AM-232 **IMPACT OF CARNOSINE SUPPLEMENTATION ON CELLULAR EXPRESSIONS OF BRAIN AND GLIAL CELL LINE-DERIVED NEUROTROPIC FACTORS IN LUMBAR AND CERVICAL ENLARGEMENTS AFTER THORACIC SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Karolina Kucharova (Slovakia)

PS05-28AM-233 **TRAINING POTENTIATES THE EFFICACY OF THE ADIPOSE-STROMAL VASCULAR FRACTION AUTOGRAFT ON FUNCTIONAL RECOVERY AFTER AN ACUTE SPINAL CORD CONTUSION IN RATS** 09:30 - 09:30

Speaker: Céline Ertlen (France)

PS05-28AM-234 **NETWORK PLASTICITY AND GABAERGIC CELLULAR DYNAMICS IN THE DIFFERENT LAYERS OF THE SOMATOSENSORY CORTEX AFTER A SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Marta Zaforas (Spain)

PS05-28AM-235 **COMPARATIVE STUDY OF TEMPORAL INFLAMMATION PATTERN OF TWO MODELS OF SPINAL CORD INJURY: CONTUSION VERSUS TRANSECTION** 09:30 - 09:30

Speaker: Alice Gaussoit (France)

PS05-28AM-236 **MICROPRINTED 3D SCAFFOLDS FOR REPAIR OF SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Nana Voitenko (Ukraine)

PS05-28AM-238 **MAPPING OREXIN/HYPOCRETIN RECEPTOR EXPRESSION IN THE CENTRAL NERVOUS SYSTEM AFTER INCOMPLETE SPINAL CORD INJURY IN MICE** 09:30 - 09:30

Speaker: Lara Buenvarón Medialdea (Spain)

PS05-28AM-239 **A PHYSICAL IMPACT TO THE CORD LEADS TO EARLY MASSIVE DEPOLARIZATION SUSTAINED BY CHLORIDE IONS WITH TRANSIENT REFLEX SUPPRESSION** 09:30 - 09:30

Speaker: Atiyeh Mohammadshirazi (Italy)

PS05-28AM-240 **TIBOLONE IMPROVES LOCOMOTOR FUNCTION IN A RAT MODEL OF SPINAL CORD INJURY BY MODULATING APOPTOSIS AND AUTOPHAGY** 09:30 - 09:30

Speaker: Angélica Coyoy (Mexico)

PS05-28AM-241 **INVESTIGATING THE DISTRIBUTION OF COCAINE AND AMPHETAMINE-REGULATED TRANSCRIPT (CART) IN THE HUMAN SPINAL CORD** 09:30 - 09:30

Speaker: Gulgun Sengul (Turkey)

PS05-28AM-242 **THE IMPACT OF COMBINATION THERAPY IN SPINAL CORD INJURY TREATMENT** 09:30 - 09:30

Speaker: Martina Magurova (Slovakia)

PS05-28AM-243 **DYNAMICS OF IMMUNOGLOBULIN G DISTRIBUTION AND NEURONAL INTERNALIZATION FOLLOWING SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Adrian Castellanos Molina (Canada)

PS05-28AM-244 **THE INHIBITION OF OLIGODENDROCYTE REMYELINATION AFTER SPINAL CORD INJURY RESULTS IN COGNITIVE IMPAIRMENT AND DELAYED/INHIBITED LOCOMOTOR RECOVERY IN AGED MICE** 09:30 - 09:30

Speaker: Wolfram Tetzlaff (Canada)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Neurodevelopmental and Genetic Disorders

PS05-28AM-192 **SNX27: A CONSERVED COGNITIVE MODULATOR WITH IMPLICATIONS FOR ANXIETY AND STRESS SUSCEPTIBILITY** 09:30 - 09:30

Speaker: Neide Vieira (Portugal)

PS05-28AM-193 **UNRAVELING BEHAVIORAL DEFICITS IN NEUROFIBROMATOSIS TYPE 1: INSIGHTS FROM DROSOPHILA AND MOUSE MODELS** 09:30 - 09:30

Speaker: Eirini Georganta (Greece)

PS05-28AM-194 **DIFFERENTIAL SLEEP-LIKE DEFICITS OF NEUROFIBROMATOSIS 1 MUTATIONS IN *DROSOPHILA MELANOGASTER*** 09:30 - 09:30

Speaker: Kalliopi Atsoniou (Greece)

PS05-28AM-195 **ABERRANT NEURONAL ACTIVITY AND HABITUATION OF THE GIANT FIBER ESCAPE RESPONSE CIRCUIT IN DROSOPHILA NF1 MUTANTS. A PHARMACOGENETIC APPROACH** 09:30 - 09:30

Speaker: Efthimios Skoulakis (Greece)

PS05-28AM-196 **OSTEOGENESIS IMPERFECTA: A LOOK INTO THE BRAIN OF A MURINE MODEL** 09:30 - 09:30

Speaker: Enrico Pelloni (Italy)

PS05-28AM-197 **NEUROLOGICAL PHENOTYPES IN PRIMARY IMMUNODEFICIENCIES: A FATED CONSEQUENCE OR A HIDDEN DEVELOPMENTAL PREDISPOSITION?** 09:30 - 09:30

Speaker: Giulia Demenego (Italy)

PS05-28AM-198 **UNRAVELING THE ROLE OF PIK3CD GOI MUTATION ON CNS AND BEHAVIOR** 09:30 - 09:30

Speaker: Devika Kurup (Netherlands)

PS05-28AM-199 **AN IGLON5 KNOCKOUT MOUSE MODEL RESULTS IN MILD BEHAVIORAL ALTERATIONS, WITHOUT NEURODEGENERATION** 09:30 - 09:30

Speaker: Ana Beatriz Serafim (Spain)

PS05-28AM-200 **PATHOPHYSIOLOGICAL SIGNIFICANCE OF THE P.E31G VARIANT IN RAC1 RESPONSIBLE FOR A NEURODEVELOPMENTAL DISORDER WITH MICROCEPHALY** 09:30 - 09:30

Speaker: Koh-ichi Nagata (Japan)

PS05-28AM-201 **EXPLORING THE NEUROPHYSIOLOGIC AND NEUROPATHOLOGIC BASIS OF VISUAL DEFICITS IN CYSTINOSIS** 09:30 - 09:30

Speaker: Hayley Chang (United States)

PS05-28AM-202 **MODELLING NEURODEVELOPMENTAL DISORDER RISK IN INBORN ERRORS OF IMMUNITY** 09:30 - 09:30

Speaker: Ines Serra (Netherlands)

PS05-28AM-203 **MISSENSE MUTATION IN THE ACTIVATION SEGMENT OF THE KINASE CK2 MODELS OKUR-CHUNG NEURODEVELOPMENTAL DISORDER AND ALTERS THE HIPPOCAMPAL GLUTAMATERGIC SYNAPSE** 09:30 - 09:30

Speaker: Jose Manuel Cruz Gamero (France)

PS05-28AM-204 **INVESTIGATING THE PATHOGENIC POTENTIAL OF CLSTN1 VARIANTS IN NEURODEVELOPMENTAL DISORDERS** 09:30 - 09:30

Speaker: Christina Priller (Germany)

PS05-28AM-205 **INVESTIGATING THE ROLE OF NUP153 IN NEURONAL RESPONSIVENESS AND ITS LINK TO COGNITION** 09:30 - 09:30

Speaker: Maria Ludovica Sforza (Germany)

PS05-28AM-206 **MOTOR AND MEMORY DEFICITS IN NESTIN-CRE PSIP1 KO MICE** 09:30 - 09:30

Speaker: Laura Debusschere (Belgium)

PS05-28AM-207 **INVESTIGATING THE PATHOGENIC POTENTIAL OF KCNH5 VARIANTS IN NEURODEVELOPMENTAL DISORDERS** 09:30 - 09:30

Speaker: Tobias Miering (Germany)

PS05-28AM-208 **UNLOCKING THE ROLE OF ENHANCER OF POLYCOMB HOLOGUE 1 (EPC1) IN BRAIN FUNCTION** 09:30 - 09:30

Speaker: Álvaro Ballesteros-González (Spain)

PS05-28AM-209 **PIANP/LEDA-1 INFLUENCES ADULT HIPPOCAMPAL NEUROGENESIS AND CEREBELLAR MORPHOLOGY** 09:30 - 09:30

Speaker: Moritz Küchler (Germany)

PS05-28AM-210	MODELLING COGNITIVE AND PSYCHIATRIC BEHAVIOURAL TRAITS IN A MOUSE MODEL OF NEUROFIBROMATOSIS TYPE I	09:30 - 09:30
<i>Speaker:</i> Sonali Reisinger (Australia)		
PS05-28AM-211	THE PREDICTIVE POWER OF NEUROLOGICAL FACTORS FOR DIFFERENTIATED ATTENTION FUNCTIONS IN CHILDREN AND ADOLESCENTS WITH THE GENETIC DISORDER NEUROFIBROMATOSIS TYPE 1	09:30 - 09:30
<i>Speaker:</i> Rita Hansl (Austria)		
PS05-28AM-212	ANALYSIS OF ANXIETY-RELATED/SOCIAL BEHAVIOUR AND NEURAL CIRCUITRY ABNORMALITIES IN LIGAND OF NUMB PROTEIN X (LNX) KNOCKOUT MICE	09:30 - 09:30
<i>Speaker:</i> Laura Cioccarelli (Ireland)		
PS05-28AM-213	UNCOVERING THE MOLECULAR MECHANISM UNDERLYING PAK3 MUTATION PATHOGENICITY IN SEVERE CASES OF INTELLECTUAL DISABILITY: A MULTI-SCALE ANALYSIS FROM IN VITRO STUDIES TO KNOCK-IN MOUSE MODELS	09:30 - 09:30
<i>Speaker:</i> Manon Dobrigna (France)		
PS05-28AM-214	PTCHD1 MODULATES CYTOSKELETON REMODELING THROUGH REGULATION OF RAC1-PAK SIGNALING PATHWAY, CONSISTENT WITH NEURODEVELOPMENTAL DISORDERS PHENOTYPE	09:30 - 09:30
<i>Speaker:</i> Dévina Ung (France)		
PS05-28AM-215	INFANTILE CEROID NEUROLIPOFUSCINOSIS: LINKING AUTOPHAGY, ALTERED CHLORIDE HOMEOSTASIS AND ENHANCED BRAIN EXCITABILITY	09:30 - 09:30
<i>Speaker:</i> Melissa Santi (Italy)		
PS05-28AM-216	SUBCLASS-SPECIFIC IMPACT OF ETHER LIPID DEFICIENCY ON MOUSE BRAIN PATHOLOGY AND BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Johannes Berger (Austria)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Antidepressant Cognitive Enhancers		
PS05-28AM-024	UNVEILING THE POTENTIAL OF HBK-15 AS A DUAL-ACTION DRUG CANDIDATE FOR MOOD AND COGNITION RESTORATION IN MOUSE DEPRESSION MODEL	09:30 - 09:30
<i>Speaker:</i> Kinga Sałaciak (Poland)		
PS05-28AM-025	NLX-101, A 5-HT_{1A} RECEPTOR BIASED AGONIST, ATTENUATES EXECUTIVE FUNCTIONS IMPAIRMENTS IN MICE	09:30 - 09:30
<i>Speaker:</i> Angelika Jagielska (Poland)		
PS05-28AM-026	HBK-10, A MULTIMODAL COMPOUND, SELECTIVELY BLOCKS 5-HT_{1A} RECEPTOR-MEDIATED β-ARRESTIN RECRUITMENT AND MITIGATES MEMORY DEFICITS IN MICE	09:30 - 09:30
<i>Speaker:</i> Klaudia Lustyk (Poland)		
PS05-28AM-027	HBK-15 RESCUES RECOGNITION MEMORY IN MK-801- AND STRESS-INDUCED COGNITIVE IMPAIRMENTS IN FEMALE MICE	09:30 - 09:30
<i>Speaker:</i> Aleksandra Koszałka (Poland)		
PS05-28AM-028	HBK-15, A MULTIMODAL COMPOUND, MITIGATES COGNITIVE FLEXIBILITY DEFICITS IN MICE	09:30 - 09:30
<i>Speaker:</i> Oluwatobi Adeyemo (Poland)		
PS05-28AM-029	LEVERAGING PHARMACOGENOMIC ENRICHMENT SCORE TO PREDICT TREATMENT OUTCOMES IN DRUG-NAÏVE PATIENTS WITH MAJOR DEPRESSIVE DISORDER	09:30 - 09:30
<i>Speaker:</i> Hui Hua Chang (Taiwan)		

PS05-28AM-030	ETHANOL EXTRACT OF VANILLA PLANIFOLIA STEM REDUCED PAK6 EXPRESSION AND INDUCED CELL DEATH IN GLIOBLASTOMA CELLS	09:30 - 09:30
<i>Speaker:</i> Yuan-Shuo Hsueh (Taiwan)		
PS05-28AM-031	AN ALTERNATIVE TO TREAT DEPRESSION-LIKE BEHAVIORS: THE EFFECTS OF S-MECAMYLAMINE IN THE DORSAL RAPHE NUCLEUS	09:30 - 09:30
<i>Speaker:</i> Andrea Mondragon Garcia (Mexico)		
PS05-28AM-032	SCHINUS TEREBINTHIFOLIA LEAF LECTIN (STELL) ATTENUATES IMMOBILITY AND ANXIogenic BEHAVIOR IN MICE THROUGH MODULATION OF MONOAMINERGIC SIGNALING	09:30 - 09:30
<i>Speaker:</i> Michelle da Rosa (Brazil)		
PS05-28AM-033	ANTI-DEPRESSANT LIKE EFFECT OF CURCUMIN IN OLFACTORY BULBECTOMIZED MODEL OF DEPRESSION IN MALE WISTAR ALBINO RATS: ANTIDEPRESSANT BEHAVIOUR SCREENING TESTS	09:30 - 09:30
<i>Speaker:</i> Sandip Shah (Nepal)		
PS05-28AM-034	INVESTIGATION OF GABAergic SYSTEM IN TREATMENT-RESISTANT DEPRESSION-RELATED COGNITIVE DECLINE IN DIFFERENT AGE	09:30 - 09:30
<i>Speaker:</i> Chi-Wei Lee (Taiwan)		
PS05-28AM-035	ADINAZOLAM, A BENZODIAZEPINE-TYPE NEW PSYCHOACTIVE SUBSTANCE, PRODUCES REINFORCEMENT AND DEPENDENCE IN RODENTS	09:30 - 09:30
<i>Speaker:</i> Choon Gon Jang (Korea, Republic of)		
PS05-28AM-036	TYROSINE, A NON-ESSENTIAL AMINO ACID, HAS ANTI-DEPRESSIVE PROPERTIES IN CHRONIC IMMOBILIZATION STRESS-INDUCED MOUSE DEPRESSION MODEL	09:30 - 09:30
<i>Speaker:</i> Hyun Joon Kim (Korea, Republic of)		
PS05-28AM-037	THE ROLE OF NORADRENALINE IN MEDIAL FOREBRAIN BUNDLE DEEP BRAIN STIMULATION: A PHYSIOLOGICAL AND ANATOMICAL APPROACH	09:30 - 09:30
<i>Speaker:</i> Zhuo Duan (Germany)		
PS05-28AM-038	NANOBODY-BASED IMMUNOTHERAPY FOR DEPRESSION	09:30 - 09:30
<i>Speaker:</i> Thibaut Laboute (France)		
PS05-28AM-039	TRANSMITTER CO-RELEASE IN NEUROPSYCHIATRIC DISEASES	09:30 - 09:30
<i>Speaker:</i> Ségolène La Batide-Alanore (Austria)		
PS05-28AM-040	EFFORT-BASED DECISION-MAKING VERSUS SPONTANEOUS FORAGING TASKS REVEAL DIVERGENCE IN ANTIDEPRESSANT EFFECTS ON MOTIVATION IN MICE	09:30 - 09:30
<i>Speaker:</i> Caterina Marangoni (United Kingdom)		
PS05-28AM-041	UTILIZING NETWORK-BASED ALGORITHMS FOR DRUG REPURPOSING THROUGH A META-ANALYSIS OF EAST ASIAN GENOME-WIDE ASSOCIATION STUDIES IN DEPRESSION	09:30 - 09:30
<i>Speaker:</i> Ping Lin Tsai (Taiwan)		
PS05-28AM-042	THE CIRCADIAN MOLECULAR CLOCK IN MPFC MODULATES THE DEPRESSIVE PHENOTYPE AND REPRESENT A POTENTIAL TREATMENT PATHWAY	09:30 - 09:30
<i>Speaker:</i> David Sarrazin (France)		
PS05-28AM-043	EFFECTS OF CHRONIC TREATMENT WITH EXTRACTED ACTIVE INGREDIENTS FROM CHINESE TRADITIONAL MEDICINE FORMULA:YUEJU ON ALLEVIATING DEPRESSION IN ANIMAL MODELS	09:30 - 09:30

Speaker: Sonata Suk-yu Yau (Hong Kong)

PS05-28AM-044 **DIFFERENCES BETWEEN FIRST- AND SECOND-GENERATION ANTIDEPRESSANTS AND MODULATION OF AFFECTIVE BIASES IN LISTER HOODED RATS** 09:30 - 09:30

Speaker: Katie Kamenish (United Kingdom)

PS05-28AM-045 **ASSESSING THE THERAPEUTIC POTENTIAL OF ANTIDEPRESSANT AND ANTI-INFLAMMATORY DRUGS IN AN INFLAMED DEPRESSION MOUSE MODEL: A COMPARATIVE STUDY OF EFFICACY** 09:30 - 09:30

Speaker: Aurelia Viglione (Italy)

PS05-28AM-046 **CHEMOGENETIC STIMULATION OF THE PREFRONTAL CORTEX EXERTS ANTIDEPRESSANT EFFECT IN A MOUSE MODEL OF DEPRESSION** 09:30 - 09:30

Speaker: Maxime Veleanu (Germany)

PS05-28AM-047 **ACUTE AND CHRONIC TREATMENT WITH THE NITRIC OXIDE SYNTHASE INHIBITOR AGMATINE STIMULATES SEROTONERGIC NEURONS IN THE RAT DORSAL RAPHE NUCLEUS** 09:30 - 09:30

Speaker: Hande Özbaşak (Slovakia)

PS05-28AM-048 **ESCITALOPRAM AND GALANTAMINE IN COMBINATION MODULATE ALPHA-7 NICOTINIC RECEPTOR AND AMELIORATE CHRONIC UNPREDICTABLE MILD STRESS-INDUCED DEPRESSION-LIKE BEHAVIOUR IN MICE** 09:30 - 09:30

Speaker: Shivanshu Bajaj (India)

PS05-28AM-049 **SINGLE ADMINISTRATION OF FOCUSED ULTRASOUND-MEDIATED BLOOD-BRAIN BARRIER OPENING IS ANTIDEPRESSANT WITH CLAUDIN-5 REMODELING** 09:30 - 09:30

Speaker: Moshe Willner (United States)

PS05-28AM-050 **A NOVEL PROPERTIES OF RICE BRAN: RICE BRAN EXTRACT IMPROVES CHRONIC STRESS-INDUCED DEPRESSION AND ANXIETY-LIKE BEHAVIORS IN MICE** 09:30 - 09:30

Speaker: Min Young Um (Korea, Republic of)

PS05-28AM-051 **SYNERGISTIC EFFECTS OF INTRANASALLY ADMINISTERED GALR2 AND Y1R AGONISTS ON COGNITIVE AND MOOD-RELATED BEHAVIORS IN ADULT RATS: IMPLICATIONS FOR NEURODEGENERATIVE AND MOOD DISORDERS** 09:30 - 09:30

Speaker: Manuel Narvaez Pelaez (Spain)

PS05-28AM-052 **BUTYRYLCHOLINESTERASE AS A POTENTIAL BIOMARKER FOR DEPRESSION: INSIGHTS FROM A TRANSLATIONAL STUDY** 09:30 - 09:30

Speaker: Berkan Bozkurt (Turkey)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Diet-Induced Neuroinflammation

PS05-28AM-289 **RECEPTOR PROTEIN TYROSINE PHOSPHATASE B/Z REGULATES HIGH FAT DIET-INDUCED DELETERIOUS COGNITIVE EFFECTS AND AB PLAQUE FORMATION IN APP/PS1 MICE** 09:30 - 09:30

Speaker: Teresa Fontán-Baselga (Spain)

PS05-28AM-290 **PLEIOTROPHIN: A BRIDGE BETWEEN OBESITY AND NEURODEGENERATIVE DISORDERS PROMOTING MEMORY LOSS AND GLIAL ALTERATIONS BY MODULATING NEUROINFLAMMATION AND PERINEURONAL NETS** 09:30 - 09:30

Speaker: Héctor Cañeque-Rufo (Spain)

PS05-28AM-291 **LIFELONG CONSUMPTION OF SATURATED AND UNSATURATED FATS INDUCED THE IMPAIRMENT OF HIPPOCAMPAL SYNAPTIC** 09:30 - 09:30

PLASTICITY AND SPATIAL LEARNING AND MEMORY*Speaker:* Ana Belén Sanz-Martos (Spain)

PS05-28AM-292 **Δ9-TETRAHYDROCANNABINOL MODULATES ADDICTIVE BEHAVIOUR INDUCED BY SATURATED AND UNSATURATED HIGH FAT DIETS IN AN ANIMAL MODEL OF OPERANT SELF-ADMINISTRATION** 09:30 - 09:30

Speaker: María Roca (Spain)

PS05-28AM-293 **LIFELONG EXPOSURE TO HIGH FAT DIET LEADS TO DEPRESSIVE LIKE PHENOTYPE ASSOCIATED WITH INCREASED CENTRAL AMYLOID OLIGOMER FORMATION** 09:30 - 09:30

Speaker: Maria Grazia Morgese (Italy)

PS05-28AM-294 **DIETARY INTERVENTION WITH OMEGA-3 FATTY ACIDS MITIGATES MATERNAL HIGH-FAT DIET-INDUCED DEPRESSION-LIKE PHENOTYPE AND MYELIN-RELATED CHANGES IN RAT OFFSPRING** 09:30 - 09:30

Speaker: Irena Smaga-Maślanka (Poland)

PS05-28AM-295 **IMPLICATION OF POLYUNSATURATED FATTY ACID (PUFA) BIOSTATUS IN DOPAMINE TRANSMISSION-RELATED REWARD PROCESSING DEFICITS** 09:30 - 09:30

Speaker: Lola Hardt (France)

PS05-28AM-296 **MATERNAL CONSUMPTION OF A HIGH-FAT DIET FROM PRE-PREGNANCY TO LACTATION IMPAIRS COGNITIVE PROCESSES AND INHIBITORY SYNAPTIC TRANSMISSION OF HIPPOCAMPAL NEURONS IN MOUSE OFFSPRING** 09:30 - 09:30

Speaker: Camila Cerna (Chile)

PS05-28AM-297 **INVESTIGATING NEUROINFLAMMATION IN THE ACTIVITY-BASED ANOREXIA (ABA) MODEL** 09:30 - 09:30

Speaker: Carlotta Siddi (Italy)

PS05-28AM-298 **EFFECTS OF INTERMITTENT FASTING ON NEUROINFLAMMATION AND COGNITIVE IMPAIRMENT IN HIGH-FAT DIET-FED MICE** 09:30 - 09:30

Speaker: GU SEOB ROH (Korea, Republic of)

PS05-28AM-299 **DIETARY FATTY ACID COMPOSITION DRIVES NEUROINFLAMMATION AND IMPAIRED BEHAVIOR IN OBESITY** 09:30 - 09:30

Speaker: Clara Sanchez (France)

PS05-28AM-300 **A GESTATIONAL KETOGENIC DIET ALTERS BRAIN WIRING AND LEADS TO SEX-SPECIFIC AND AUTISM-LIKE BEHAVIOR IN THE OFFSPRING OF ADULT MICE** 09:30 - 09:30

Speaker: Diana Zala (France)

PS05-28AM-301 **UNRAVELING THE "METABOLIC SYNDROME AND COGNITIVE DECLINE" DETRIMENTAL LOOP: WHAT ROLE FOR MEDITERRANEAN PHYTONUTRIENTS?** 09:30 - 09:30

Speaker: Giuditta Gambino (Italy)

PS05-28AM-302 **WESTERN DIET ADMINISTRATION IN AGED MICE RESULTS IN SEX-DEPENDENT COGNITIVE AND METABOLIC DYSFUNCTION: PREVENTIVE ROLE OF ROSMARINIC ACID** 09:30 - 09:30

Speaker: Letizia Giona (Italy)

PS05-28AM-303 **MATERNAL HIGH-FAT DIET DISRUPTS HIPPOCAMPAL EXCITATION-INHIBITION BALANCE IMPAIRING COGNITIVE FUNCTION SELECTIVELY IN ADULT FEMALE MOUSE OFFSPRING** 09:30 - 09:30

Speaker: Chiara Musillo (Italy)

PS05-28AM-304 **THE IMPACT OF HIGH FAT DIET ON MICROGLIAL CELLS AND SOCIAL BEHAVIOR IN MICE: IMPLICATIONS FOR DIET-INDUCED** 09:30 - 09:30

CHANGES IN BRAIN FUNCTION*Speaker:* Sara Cornuti (Italy)

PS05-28AM-305 **DIET-INDUCED MAFLD: UNRAVELING LIVER-BRAIN AXIS ALTERATIONS AND THERAPEUTIC POTENTIAL OF COMBINED OLHHA AND LIRAGLUTIDE TREATMENT** 09:30 - 09:30

Speaker: Marialuisa de Ceglia (Italy)

PS05-28AM-306 **DIFFERENTIAL MODULATION OF THE ENDOCANNABINOID SYSTEM IN BINGE EATING DISORDER AND OBESITY** 09:30 - 09:30

Speaker: Romain Bourdy (France)

PS05-28AM-307 **INTERMITTENT ACCESS TO A HIGH-FAT DIET BLOCKS THE INCREASE IN ETHANOL CONSUMPTION AND THE NEUROINFLAMMATORY RESPONSE INDUCED BY SOCIAL DEFEAT IN ADULT MALE MICE** 09:30 - 09:30

Speaker: Carmen Manzanedo (Spain)

PS05-28AM-308 **DREAM PROTEIN INHIBITION AS A POTENTIAL TREATMENT AGAINST NAFLD AND METABOLIC SYNDROME AND ITS ASSOCIATED NEUROLOGIC SIGNS IN MICE** 09:30 - 09:30

Speaker: José Manuel Hernández Curiel (Spain)

PS05-28AM-309 **EFFECTS OF FLAVONOIDS ON ADIPOSE TISSUE/MICROGLIA CROSS-TALK** 09:30 - 09:30

Speaker: Roberta Alessi (Italy)

PS05-28AM-310 **LASTING EFFECTS OF EARLY DIETARY INTERVENTION WITH DIFFERENT Ω 6/ Ω 3 POLYUNSATURATED FATTY ACIDS RATIOS IN AN ANIMAL MODEL OF ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Emmy Hoeksema (Netherlands)

PS05-28AM-311 **ADIPOSE TISSUE AND ADIPOKINE VARIATIONS ARE LINKED TO STRUCTURAL GRAY AND WHITE MATTER CHANGES** 09:30 - 09:30

Speaker: Liana Okudzhava (Germany)

PS05-28AM-312 **EXPOSURE TO A HIGH-FAT DIET DURING ADOLESCENCE AFFECTS THE MU OPIOID RECEPTOR GENE EXPRESSION IN THE LATERAL SEPTUM OF ADULT RATS** 09:30 - 09:30

Speaker: Victoria Velásquez (Chile)

PS05-28AM-313 **NEWLY SYNTHESIZED FATTY ACID ANALOGUE (NKS-3) RESCUES MICROGLIAL REACTIVITY IN A MURINE MODEL OF DIET-INDUCED OBESITY** 09:30 - 09:30

Speaker: Lucas Jantzen (France)

PS05-28AM-314 **SWEET FAT: A RECIPE FOR BRAIN FOG. DIETARY FAT AND SUGAR IMPAIR COGNITIVE FUNCTIONS IN MICE** 09:30 - 09:30

Speaker: Jakub Chwastek (Poland)

PS05-28AM-315 **COMPARING WESTERN DIET AND LPS AS INFLAMMATION-RELATED RISK FACTORS OF SPORADIC ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Justyna Domańska (Poland)

PS05-28AM-316 **HIGH-FAT DIET MOUSE MODEL: EFFECT ON ANXIOUS/DEPRESSIVE-LIKE PHENOTYPE AND THE IMPACT OF GENDER** 09:30 - 09:30

Speaker: Júlia Senserrich Guerrero (Spain)

PS05-28AM-317 **COMBATING DIET-INDUCED INFLAMMATION: CAN MELANOTROPIN RECEPTORS MITIGATE THE EFFECTS OF EXCESS FAT?** 09:30 - 09:30

Speaker: Anna Kiryk (Poland)

PS05-28AM-318 **UNRAVELING THE IMPACT OF HIGH-CALORIC DIETS ON JUVENILE RAT HIPPOCAMPAL GABAERGIC SYSTEM,** 09:30 - 09:30

NEUROGENESIS, AND ASTROCYTE MORPHOLOGY*Speaker:* Bárbara Mota (Portugal)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 05 - Neuromodulation Technologies

PS05-28AM-386 **ON THE WAY TO LAYER-BY-LAYER INFRARED NEUROMODULATION: PRESENTATION AND FUNCTIONAL CHARACTERISATION OF AN INTRACORTICAL OPTRODE NEEDLE FEATURED WITH A MICROMIRROR TIP ENDING** 09:30 - 09:30

Speaker: Ágoston Csaba Horváth (Hungary)

PS05-28AM-387 **LOW-FREQUENCY CORTICAL ACTIVITY CHANGES GENERATED BY CONTINUOUS WAVE INFRARED NEUROMODULATION RECORDED WITH AN INTRACORTICAL OPTRODE DURING ANESTHESIA** 09:30 - 09:30

Speaker: Ágnes Szabó (Hungary)

PS05-28AM-388 **A NOVEL 3D-PRINTED MICRO-DRIVE SYSTEM FOR INFRARED NEUROMODULATION AND ELECTROPHYSIOLOGICAL RECORDING IN FREELY ROAMING RODENTS** 09:30 - 09:30

Speaker: Ákos Mórocz (Hungary)

PS05-28AM-389 **CELL- AND LAYER-TYPE SPECIFIC INTRACORTICAL EFFECTS OF PULSED AND CONTINUOUS WAVE INFRARED NEURAL STIMULATION REVEALED BY HIGH-DENSITY LAMINAR RECORDINGS IN THE RAT NEOCORTEX** 09:30 - 09:30

Speaker: Zsófia Balogh-Lantos (Hungary)

PS05-28AM-390 **IMPROVING THE FUNCTIONALITY OF MICROSCALE ELECTRODES IMPLANTED IN NEURAL TISSUE WITH UPCONVERTING NANOPARTICLES** 09:30 - 09:30

Speaker: Levente Víg (Hungary)

PS05-28AM-391 **MAGNETIC DETECTION ELECTRICAL IMPEDANCE TOMOGRAPHY (MDEIT) FOR NON-INVASIVE NEURAL IMAGING** 09:30 - 09:30

Speaker: Kai Mason (United Kingdom)

PS05-28AM-392 **WIRELESS DEEP BRAIN STIMULATION WITH MAGNETOELECTRIC NANOPARTICLE-BASED NEUROMODULATION APPROACH** 09:30 - 09:30

Speaker: Chao-Chun Cheng (Taiwan)

PS05-28AM-393 **MODULATION OF NEURONAL ACTIVITY VIA PLASMONIC NANOPARTICLES** 09:30 - 09:30

Speaker: Ane Escobar (Spain)

PS05-28AM-394 **A NOVEL NEURAL STIMULATION MECHANISM ON CELLULAR LEVEL WITHOUT FARADAIC CURRENT** 09:30 - 09:30

Speaker: Bingdong Chang (Denmark)

PS05-28AM-395 **UPCONVERSION-MEDIATED TRANSCRANIAL OPTOGENETICS : JUGGLING WITH PHOTONS TO CONTROL FEAR IN MICE** 09:30 - 09:30

Speaker: Jeremy Lesas (France)

PS05-28AM-396 **PHOTO-CONTROLLED RELEASE OF BIOACTIVE MOLECULES IN THE BRAIN** 09:30 - 09:30

Speaker: Clémentine Bosch Bouju (France)

PS05-28AM-397 **DEVELOPMENT OF A NEXT-GENERATION BIDIRECTIONAL NEUROBIOHYBRID INTERFACE WITH OPTIMIZED ENERGY EFFICIENCY ENABLING REAL-TIME ADAPTIVE NEUROMODULATION** 09:30 - 09:30

Speaker: Christel Vanbesien (France)

PS05-28AM-398	LONG-TERM IMPLANTATION AND CORTICAL STIMULATION WITH PHOTOACTIVE ORGANIC SEMICONDUCTORS IN A RAT MODEL	09:30 - 09:30
<i>Speaker:</i> Marta Nowakowska (Austria)		
PS05-28AM-399	DEVELOPMENT AND TESTING OF A NOVEL, WIRELESSLY POWERED TELEMETER FOR SIMULTANEOUS OPTOGENETIC STIMULATION AND EEG RECORDING IN ADULT WISTAR RATS	09:30 - 09:30
<i>Speaker:</i> Bethan Rees (United Kingdom)		
PS05-28AM-400	WIRELESS HEADSTAGE CONTROLLED VIA BLUETOOTH FOR CLOSED-LOOP OPTOGENETICS EXPERIMENTS IN RODENTS	09:30 - 09:30
<i>Speaker:</i> Patrícia Silva (Portugal)		
PS05-28AM-401	SHINING LIGHT ON COMPOUND ACTION POTENTIAL RECORDING AND ELECTRICAL IMPEDANCE TOMOGRAPHY FOR THE CLOSED-LOOP CONTROL OF BIOELECTRONIC DEVICES	09:30 - 09:30
<i>Speaker:</i> Esrea Neufeld (Switzerland)		
PS05-28AM-402	HIGH-FREQUENCY, SINUSOIDAL BURSTS ACTIVATE NERVE FIBERS IN THE EARTHWORM	09:30 - 09:30
<i>Speaker:</i> Philipp Schnepel (Netherlands)		
PS05-28AM-403	LOCAL FIELD POTENTIAL OF INTRANEURAL RECORDINGS AS A PROXY OF VAGAL UNMYELINATED ACTIVITY: AN <i>IN-SILICO</i> STUDY	09:30 - 09:30
<i>Speaker:</i> Claudio Verardo (Italy)		
PS05-28AM-404	SOLID STATE NANOPORES FOR SPATIALLY RESOLVED CHEMICAL NEUROMODULATION	09:30 - 09:30
<i>Speaker:</i> Francesca Vacca (Italy)		
PS05-28AM-405	EFFECTIVE NONINVASIVE NEURONAL WAVEFORM MODULATION WITH SUSTAINED AND ACTIVITY-DEPENDENT CONTINUOUS-WAVE NEAR-INFRARED LASER STIMULATION	09:30 - 09:30
<i>Speaker:</i> Alicia Garrido-Peña (Spain)		
PS05-28AM-406	AN IMPLANTABLE DEVICE FOR WIRELESS MONITORING OF DIVERSE PHYSIO-BEHAVIORAL CHARACTERISTICS IN FREELY BEHAVING SMALL ANIMALS AND INTERACTING GROUPS	09:30 - 09:30
<i>Speaker:</i> Cameron Good (United States)		
PS05-28AM-407	NEUROMODULATION WITH DBS AND FUS - EPHYS EFFECTS IN AN ANIMAL MODEL OF DEPRESSION	09:30 - 09:30
<i>Speaker:</i> Lisa Ratz (Germany)		
PS05-28AM-408	SUBMILLIMETER TARGETING OF THE HIPPOCAMPAL FORMATION WITH DEEP BRAIN STIMULATION ELECTRODES BASED ON HIGH-RESOLUTION MRI-GUIDED NEURONAVIGATION IN NON-HUMAN PRIMATES	09:30 - 09:30
<i>Speaker:</i> Ankur Gupta (France)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Peripheral Nerve Regeneration		
PS05-28AM-369	METHYLCOBALAMIN PROMOTES RAS-MEDIATED AKT PHOSPHORYLATION TO INDUCE ANTI-INFLAMMATORY PHENOTYPE IN MACROPHAGES FOLLOWING PERIPHERAL NERVE INJURY: A RAT MODEL STUDY	09:30 - 09:30
<i>Speaker:</i> Toru Iwahashi (Japan)		
PS05-28AM-370	METHYLCOBALAMIN PROMOTES ANGIOGENESIS AFTER PERIPHERAL NERVE INJURY	09:30 - 09:30
<i>Speaker:</i> Yoshiaki Yoshimura (Japan)		

PS05-28AM-371	EFFECTS OF METHYLCOBALAMIN ON BONE FORMATION VIA PERIPHERAL NERVES AND MACROPHAGES	09:30 - 09:30
<i>Speaker:</i> Toshiki Shimada (Japan)		
PS05-28AM-372	PLASTIC CHANGES OF NEURONS AND PERICELLULAR SYNAPSES IN SPINAL CORD AFTER PERIPHERAL NERVE INJURY	09:30 - 09:30
<i>Speaker:</i> Katsuyuki Konishi (Japan)		
PS05-28AM-373	METFORMIN INHIBITS OROFACIAL NEUROPATHY THROUGH P-AMPK/P-MTOR-MEDIATED P-P38 MAPK ACTIVATION IN STREPTOZOTOCIN- INDUCED DIABETIC NEUROPATHIC MICE.	09:30 - 09:30
<i>Speaker:</i> JIHEE YEO (Korea, Republic of)		
PS05-28AM-374	THE EFFECT OF DIABETES ON MYELIN HOMEOSTASIS	09:30 - 09:30
<i>Speaker:</i> Melvin Alappat (Switzerland)		
PS05-28AM-375	THE ROLE OF OLIGODENDROCYTES IN PAINFUL DIABETIC NEUROPATHY	09:30 - 09:30
<i>Speaker:</i> Marta Mazurkiewicz (Switzerland)		
PS05-28AM-376	IN VITRO STUDYING OF THE ROLE OF MIRNAS IN NEURONAL INJURY AND REGENERATION	09:30 - 09:30
<i>Speaker:</i> Maria Peteinareli (Austria)		
PS05-28AM-377	HYDROGEN-SULFIDE-DEPENDENT SCHWANN CELL DIFFERENTIATION DURING WALLERIAN DEGENERATION: MULTI-OMICS APPROACH	09:30 - 09:30
<i>Speaker:</i> Na Young Jeong (Korea, Republic of)		
PS05-28AM-378	DIFFERENTIAL ROLES FOR DYSREGULATED MICRORNAs AFTER A PERIPHERAL NERVE INJURY IN NEUROPATHIC PAIN OR NERVE REGENERATION	09:30 - 09:30
<i>Speaker:</i> Theodora Kalpachidou (Austria)		
PS05-28AM-379	CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY CAUSED BY VINCRISTINE INVOLVES HIGH MOBILITY GROUP BOX 1 (HMGB1) RELEASED FROM MACROPHAGES AND SCHWANN CELLS	09:30 - 09:30
<i>Speaker:</i> Fumiko Sekiguchi (Japan)		
PS05-28AM-380	MYELINATING SCHWANN CELL ALTERATIONS IN THE SCIATIC NERVE OF DYSTROPHIC MDX MICE SUGGEST A POTENTIAL IMPACT ON THE SENSORY-MOTOR CONTROL OF DYSTROPHIC MUSCLES	09:30 - 09:30
<i>Speaker:</i> Silvia di Nuzzo (Italy)		
PS05-28AM-381	AN IN VITRO EVALUATION ON THE POSSIBLE ROLE OF VITAMIN B12 IN NEURONAL RECOVERY AND NEURONAL HOMEOSTASIS	09:30 - 09:30
<i>Speaker:</i> Aimee Rachel Mathew (Italy)		
PS05-28AM-382	DEVELOPING DOUBLE STRANDED RNAs TO EFFICIENTLY SUPPRESS EXPRESSION OF T-TYPE CA²⁺ CHANNELS FOR TREATING DIABETIC NEUROPATHY	09:30 - 09:30
<i>Speaker:</i> Pavel Belan (Ukraine)		
PS05-28AM-383	THE EFFECT OF BIOCELLULOSE GRAFT AND VASCULAR ENDOTHELIAL GROWTH FACTOR ON ANGIOGENESIS IN EXPERIMENTAL SCIATIC NERVE INJURY	09:30 - 09:30
<i>Speaker:</i> Nermin Yasinoğlu (Turkey)		
PS05-28AM-384	TISSUE PLASMINOGEN ACTIVATOR (TPA) CONTRIBUTES TO PERIPHERAL REMYELINATION AFTER SCIATIC NERVE INJURY	09:30 - 09:30
<i>Speaker:</i> Elsa Pouettre (France)		
PS05-28AM-385	INTERLEUKIN-33 AS A PLAYER IN AXON REMYELINATION IN RESPONSE TO CNS AND PNS INJURY.	09:30 - 09:30

Speaker: Małgorzata Zawadzka (Poland)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Ion Channels and Excitability

PS05-28AM-336 **ELUCIDATING THE ROLE OF A₂Δ PROTEINS IN SYNAPSE ORGANIZATION** 09:30 - 09:30

Speaker: Clarissa Eibl (Austria)

PS05-28AM-337 **NANOBODY TARGETING OF A₂Δ PROTEINS TO STUDY THE MOLECULAR SYNAPTIC ORGANIZATION** 09:30 - 09:30

Speaker: Manuel Hessenberger (Austria)

PS05-28AM-338 **SUBCELLULAR LOCALIZATION OF THE CALCIUM CHANNEL CA_v2.3 IN CULTURED HIPPOCAMPAL NEURONS** 09:30 - 09:30

Speaker: Stephan-Matthias Schulreich (Austria)

PS05-28AM-339 **A BIALLELIC MUTATION IN CACNA2D2 ASSOCIATED WITH EPILEPTIC ENCEPHALOPATHY AFFECTS CALCIUM CHANNEL DEPENDENT AS WELL AS SYNAPTIC FUNCTIONS OF A₂Δ-2** 09:30 - 09:30

Speaker: Sabrin Haddad (Austria)

PS05-28AM-340 **IMPROVED NEURONAL SURFACE DETECTION OF A₂Δ PROTEINS BY NANOBODY IMMUNOLABELING** 09:30 - 09:30

Speaker: Ruslan Stanika (Austria)

PS05-28AM-341 **BIOPHYSICALLY DETAILED CORTICAL NEURON MODELS WITH GENETICALLY-DEFINED ION CHANNELS** 09:30 - 09:30

Speaker: Darshan Mandge (Switzerland)

PS05-28AM-342 **CHANNELOME: A COMPREHENSIVE RESOURCE FOR VOLTAGE-GATED ION CHANNELS** 09:30 - 09:30

Speaker: Rajnish Ranjan (Switzerland)

PS05-28AM-343 **AN ANKYRIN G BINDING MOTIF MEDIATES TRAAK LOCALIZATION TO THE AXON INITIAL SEGMENT** 09:30 - 09:30

Speaker: Virginia Luque Fernández (Denmark)

PS05-28AM-344 **A NOVEL CORRELATION-BASED METHOD FOR QUANTIFYING MEMBRANE-ASSOCIATED PERIODIC SKELETON PERIODICITY** 09:30 - 09:30

Speaker: Sam Kris Vanspauwen (Denmark)

PS05-28AM-345 **ROLE OF THE CASR IN NEURONAL EXCITABILITY IN CA1 HIPPOCAMPAL REGION** 09:30 - 09:30

Speaker: Konstantina Mylonaki (France)

PS05-28AM-346 **THE CALCIUM LINK UNCOVERED: INVESTIGATING TRPC3 AND SKCA CHANNELS INTERACTION** 09:30 - 09:30

Speaker: Hazel Erkan-Candag (Austria)

PS05-28AM-347 **KCC2A CONTROLS KCC2B MEMBRANE EXPRESSION, RECYCLING AND FUNCTION IN MATURE HIPPOCAMPAL NEURONS** 09:30 - 09:30

Speaker: Carla Pagan (France)

PS05-28AM-348 **SPONTANEOUS AND TONIC ACTION POTENTIAL FIRING IS SUSTAINED BY MEMBRANE POTENTIAL INSTABILITIES IN PERIPHERAL SENSORY NEURONS** 09:30 - 09:30

Speaker: Enrique Velasco (Belgium)

PS05-28AM-349 **LEUKODYSTROPHY-RELATED ALANINE-TO-VALINE MUTATIONS IN THE TRANSMEMBRANE HELIX O DISRUPT PROTEIN HOMEOSTASIS OF HUMAN CLC-2 CHANNEL** 09:30 - 09:30

Speaker: Chia-Ying You (Taiwan)

PS05-28AM-350	K_v11.1 PROTEIN QUALITY CONTROL BY MKRN1	09:30 - 09:30
	<i>Speaker:</i> Ya-Ching Fang (Taiwan)	
PS05-28AM-351	NON-CANONICAL ROLE OF NKCC1 CHLORIDE TRANSPORTER IN NEURONS: A SCAFFOLD PROTEIN FOR SPAK KINASE?	09:30 - 09:30
	<i>Speaker:</i> Erwan Pol (France)	
PS05-28AM-352	P2X4 RECEPTORS CONTRIBUTE TO LYSOSOMAL PROPERTIES AND FUNCTIONS	09:30 - 09:30
	<i>Speaker:</i> Congiu Ludovica (France)	
PS05-28AM-353	UNVEILING THE MISSING LINK BETWEEN CELL MEMBRANE SIGNALING AND MITOCHONDRIA NCLX REGULATION: CRUCIAL ROLE OF NITRIC OXIDE	09:30 - 09:30
	<i>Speaker:</i> Silvia Piccirillo (Italy)	
PS05-28AM-354	DISTINCT CALCIUM SOURCES REGULATE THE TEMPORAL PROFILES OF NMDAR AND MGLUR MEDIATED PROTEIN SYNTHESIS IN NEURONS	09:30 - 09:30
	<i>Speaker:</i> Bindushree Kapu Radhakrishna (India)	
PS05-28AM-355	PPIASE CONTRIBUTES TO EA2-ASSOCIATED DEFECTIVE PROTEIN HOMEOSTASIS OF HUMAN CA_v2.1 CHANNEL	09:30 - 09:30
	<i>Speaker:</i> Ssu-Ju Fu (Taiwan)	
PS05-28AM-356	THE BRIGHT SIDE OF MITOCHONDRIAL CALCIUM UNIPORTER: MCU CAN PROTECT HIPPOCAMPAL CA2 NEURONS FROM EXCITOTOXIC DAMAGE.	09:30 - 09:30
	<i>Speaker:</i> Aleksandra Kaczynska (Poland)	
PS05-28AM-357	TRESK POTASSIUM CHANNEL EXERTS A BRAKE ON NEURONAL EXCITABILITY AND MODULATES HIPPOCAMPAL SYNAPTIC PLASTICITY	09:30 - 09:30
	<i>Speaker:</i> Helena Lluís Sánchez-Lafuente (Spain)	
PS05-28AM-358	RYANODINE RECEPTORS MODULATE SYNAPTIC TRANSMISSION AND NON-L TYPE CALCIUM CHANNELS IN MOUSE HIPPOCAMPAL NEURONS AND ADRENAL CHROMAFFIN CELLS	09:30 - 09:30
	<i>Speaker:</i> Enis Hidisoglu (Italy)	
PS05-28AM-359	FUNCTION DETERMINATION FOR STRUCTURAL DOMAINS OF SECRETAGOGIN, AN EF-HAND CA²⁺-SENSOR PROTEIN	09:30 - 09:30
	<i>Speaker:</i> Anika Raabgrund (Austria)	
PS05-28AM-360	MODULATION OF CAV1.2 CURRENTS TUNES DENDRITIC GROWTH IN CULTURED HIPPOCAMPAL NEURONS	09:30 - 09:30
	<i>Speaker:</i> Stefano Lanzetti (Austria)	
PS05-28AM-361	KCNQ1 - A LONG UNDERESTIMATED POTASSIUM CHANNEL IN THE BRAIN?	09:30 - 09:30
	<i>Speaker:</i> Dorothea Schall (Germany)	
PS05-28AM-362	MECHANISMS OF FACILITATION OF CORTICAL SPREADING DEPRESSION IN A GENETIC MOUSE MODEL OF MIGRAINE WITH A GAIN-OF-FUNCTION MUTATION IN CA_v2.1 CHANNELS	09:30 - 09:30
	<i>Speaker:</i> Marina Vitale (Italy)	
PS05-28AM-363	THE REPRECUSSIONS OF ELECTROGENIC NA⁺/K⁺-ATPASE IN EXCITABLE CELLS WITH HIGH AND VARIABLE FIRING RATES	09:30 - 09:30
	<i>Speaker:</i> Liz Weerdmeester (Germany)	
PS05-28AM-364	A GAIN-OF-FUNCTION MUTATION IN THE CAMK4 GENE INDUCED ELEVATED CAMK4 BASAL ACTIVITY <i>IN VITRO</i> AND ALTERED SPATIAL MEMORY IN A KNOCK-IN MOUSE MODEL	09:30 - 09:30
	<i>Speaker:</i> Andrew Gundlach (Australia)	

PS05-28AM-365	IDENTIFICATION OF SECRETED PROTEIN 1 (SEP1) AS NEW INTERACTION PARTNER OF ASIC1	09:30 - 09:30
<i>Speaker:</i> Sven Kuspiel (Germany)		
PS05-28AM-366	TYPE 1 TRANSMEMBRANE AMPA-RECEPTOR REGULATORY PROTEINS ARE AUXILIARY SUBUNITS OF KV7.2 VOLTAGE-GATED POTASSIUM CHANNELS	09:30 - 09:30
<i>Speaker:</i> Marina Ventura Rodrigues (Portugal)		
PS05-28AM-367	UNRAVELING THE ROLE OF NALCN IN NEURAL CIRCUIT DEVELOPMENT	09:30 - 09:30
<i>Speaker:</i> Candela Baretino (Spain)		
PS05-28AM-368	REGULATION OF REPRESSOR-ELEMENT 1 SILENCING TRANSCRIPTION FACTOR (REST) BY CAMKIV	09:30 - 09:30
<i>Speaker:</i> Hanako Tsushima (Italy)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Advancements in Animal Behavioural Studies		
PS05-28AM-067	AN AUTOMATED BEHAVIORAL PLATFORM FOR MULTISENSORY DECISION-MAKING IN MICE	09:30 - 09:30
<i>Speaker:</i> Fatemeh Yousefi (Germany)		
PS05-28AM-068	PASSIVE VERSUS ACTIVE NOVELTY DETECTION: HOW VOLITION SHAPES OLFACTORY REPRESENTATIONS IN THE MEDIAL TEMPORAL LOBE	09:30 - 09:30
<i>Speaker:</i> Eleonore Schiltz (Belgium)		
PS05-28AM-069	CONTEXT-GUIDED SEQUENCE MEMORY ACROSS SPECIES	09:30 - 09:30
<i>Speaker:</i> Ben Slater (United Kingdom)		
PS05-28AM-070	AN AUTOMATED TACTILE DISCRIMINATION LEARNING TASK FOR FREELY-MOVING MICE	09:30 - 09:30
<i>Speaker:</i> Nadin Mari Saluti (Germany)		
PS05-28AM-071	THE 3HS INITIATIVE: HANDLING, HOUSING AND HABITUATION	09:30 - 09:30
<i>Speaker:</i> Megan Jackson (United Kingdom)		
PS05-28AM-072	A FULLY FLEXIBLE, OPEN-SOURCE, PYTHON-BASED RODENT BEHAVIOR PLATFORM	09:30 - 09:30
<i>Speaker:</i> Alexander Wallerus (Austria)		
PS05-28AM-073	TACTILE PERCEPTION AND MEMORY IN RATS AND HUMANS: A GENERAL FRAMEWORK ACROSS TASKS AND SPECIES	09:30 - 09:30
<i>Speaker:</i> Davide Giana (Italy)		
PS05-28AM-074	EXPLORING RATS' ADAPTIVE BEHAVIOR IN COMPLEX ENVIRONMENT	09:30 - 09:30
<i>Speaker:</i> Ravindra Sahu (Poland)		
PS05-28AM-075	SECOND-ORDER AND CONFIGURAL PROCESSING IN THE RAT VISUAL SYSTEM	09:30 - 09:30
<i>Speaker:</i> Angelina Tadić (Italy)		
PS05-28AM-076	ADAPTATION OF RATS AND HUMANS TO A VOLATILE HIDDEN MARKOV MODEL FOR REWARD COLLECTION	09:30 - 09:30
<i>Speaker:</i> Maria Ravera (Italy)		
PS05-28AM-077	FRUIT FRACTION DISCRIMINATION AND CONCEPT GENERALIZATION IN AN ASIAN ELEPHANT (<i>ELEPHAS MAXIMUS</i>)	09:30 - 09:30
<i>Speaker:</i> Lena Kaufmann (Germany)		
PS05-28AM-078	MACHINE LEARNING-BASED IDENTIFICATION OF ULTRASONIC	09:30 - 09:30

VOCALIZATION SUBTYPES DURING RAT CHOCOLATE CONSUMPTION

Speaker: Koshi Murata (Japan)

PS05-28AM-079 **A DEEP LEARNING APPROACH FOR THE RECOGNITION OF BEHAVIORS IN THE FORCED SWIM TEST** 09:30 - 09:30

Speaker: Gregorio Sonsini (Italy)

PS05-28AM-080 **MOTOR NEUROPROSTHETIC CONTROL BY WISTAR RATS IN A ONE-DIMENSIONAL TWO-TARGET REACHING TASK** 09:30 - 09:30

Speaker: Mehmet Kocatürk (Turkey)

PS05-28AM-081 **AN ERGONOMIC RODENT HEAD FIXATION APPARATUS FOR CLOSED-LOOP CURSOR CONTROL** 09:30 - 09:30

Speaker: Halise Erten (Turkey)

PS05-28AM-082 **RATS PERCEIVE THE CHANGE IN MOTION DIRECTION OF A CURSOR ON PC MONITOR** 09:30 - 09:30

Speaker: Hasan Berke Bilki (Turkey)

PS05-28AM-083 **HEMOCAGE-BASED UNSUPERVISED NOVEL OBJECT RECOGNITION IN MICE** 09:30 - 09:30

Speaker: Sui Hin Ho (United Kingdom)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 05 - Neural Mechanisms of Fear Learning

PS05-28AM-001 **FUNCTIONAL ARCHITECTURE OF DOPAMINE NEURONS DRIVING FEAR EXTINCTION LEARNING** 09:30 - 09:30

Speaker: Ximena Icaria Salinas Hernandez (Germany)

PS05-28AM-002 **DOPAMINE PREDICTION ERROR SIGNALING IN A UNIQUE NIGROSTRIATAL CIRCUIT IS CRITICAL FOR ASSOCIATIVE FEAR LEARNING** 09:30 - 09:30

Speaker: Daphne Zafiri (Germany)

PS05-28AM-003 **NEURONAL ENCODING OF THREAT IS SHAPED BY AUDITORY PROPERTIES OF PREDICTIVE CUES ACROSS LIMBIC BRAIN REGIONS** 09:30 - 09:30

Speaker: Gabrielle Siemonsmeier (Canada)

PS05-28AM-005 **NEURONAL ENCODING OF ACTIVE AVOIDANCE IN THE NUCLEUS ACCUMBENS** 09:30 - 09:30

Speaker: Mehdi Sicre (Japan)

PS05-28AM-006 **DIFFERENTIAL CONTRIBUTION OF DISTINCT NEURONAL POPULATIONS TO DANGER REPRESENTATIONS** 09:30 - 09:30

Speaker: Ana Paula Menegolla (France)

PS05-28AM-007 **PREFRONTAL CORTICAL SUBREGIONS BIDIRECTIONALLY CONTROL FEAR EXTINCTION THROUGH PROJECTIONS TO THE BRAINSTEM NORADRENALINE SYSTEM** 09:30 - 09:30

Speaker: Mayumi Watanabe (Japan)

PS05-28AM-008 **A COMPUTATIONAL ANALYSIS OF SECOND-ORDER CONDITIONING IN MICE USING DEEPLABCUT** 09:30 - 09:30

Speaker: Marc Canela Grimau (Spain)

PS05-28AM-009 **DORSAL RAPHE NUCLEI/VENTROLATERAL PERIAQUEDUCTAL GREY AND CEREBELLAR FASTIGIAL NUCLEUS INTERACTIONS MODULATE DANGER RESPONSE DURING FEAR LEARNING** 09:30 - 09:30

Speaker: Julie Urrutia (France)

PS05-28AM-010 **NEURONAL DETERMINANTS OF CONTEXTUAL FEAR MEMORY** 09:30 - 09:30

GENERALIZATION : FROM NORMAL TO PATHOLOGICAL FEAR*Speaker:* Ha-Rang Kim (France)

PS05-28AM-011 **USING PARADIGMS OF TASTE-IMMUNE ASSOCIATIVE LEARNING TO OPTIMIZE DRUG TREATMENT** 09:30 - 09:30

Speaker: Martin Hadamitzky (Germany)

PS05-28AM-012 **A NOVEL THALAMIC CIRCUIT FOR THE LEARNING OF A RELATIVE AVERSIVE VALUE IN MICE** 09:30 - 09:30

Speaker: Magdalena Miranda (France)

PS05-28AM-013 **DISTINCT CONTRIBUTION OF CORTICO-STRIATAL MECHANISMS TO ELUCIDATE A PATHWAY FOR CONDITIONED PUNISHMENT** 09:30 - 09:30

Speaker: Cassandra Ma (Australia)

PS05-28AM-014 **ACTIVITY OF DENTATE GYRUS EXCITATORY NEURONS DURING DISCRIMINATION CONTEXTUAL FEAR CONDITIONING** 09:30 - 09:30

Speaker: Suvi-Maaria Lehtonen (Finland)

PS05-28AM-015 **INSULAR DYNAMICS IN AFFECTIVE EXPERIENCE** 09:30 - 09:30

Speaker: Dominic Kargl (Austria)

PS05-28AM-016 **BLA OUTPUT PATHWAYS DURING PAVLOVIAN FEAR CONDITIONING** 09:30 - 09:30

Speaker: Joanna Yau (Australia)

PS05-28AM-017 **ACTIVITY-DEPENDENT ORGANIZATION OF PREFRONTAL HUB-NETWORKS FOR ASSOCIATIVE LEARNING AND SIGNAL TRANSFORMATION** 09:30 - 09:30

Speaker: Masakazu Agetsuma (Japan)

PS05-28AM-018 **A BIOPHYSICAL MECHANISM FOR CHANGING THE THREAT SENSITIVITY OF ESCAPE BEHAVIOUR** 09:30 - 09:30

Speaker: Yaara Lefler (United Kingdom)

PS05-28AM-019 **AUDITORY STIMULI REDUCE FEAR RESPONSES IN A SAFETY LEARNING PROTOCOL INDEPENDENT OF A POSSIBLE LEARNING PROCESS** 09:30 - 09:30

Speaker: Elena Mombelli (Switzerland)

PS05-28AM-020 **INTRINSIC EXCITABILITY OF ANTERIOR TO POSTERIOR INSULA (AIC-PIC) PROJECTION NEURONS ARE DIFFERENTLY MODIFIED FOLLOWING RETRIEVAL OF AVERSIVE CONDITIONING** 09:30 - 09:30

Speaker: Sailendrakumar Kolatt Chandran (Israel)

PS05-28AM-021 **EFFECTS OF PERFORMANCE AND ADDITIONAL PUNISHMENT ON AUDITORY-EVOKED BRAIN ACTIVATION PATTERNS IN DISCRIMINATION LEARNING - AN AUDITORY FMRI STUDY IN THE MONGOLIAN GERBIL** 09:30 - 09:30

Speaker: Annika Michalek (Germany)

PS05-28AM-022 **REVISITING CONTEXTUAL FEAR PROCESSES USING A NOVEL SOCIAL CONDITIONED PLACE AVERSION PROTOCOL** 09:30 - 09:30

Speaker: Lito Parapera Papantoniou (Switzerland)

PS05-28AM-023 **CELL-TYPE SPECIFIC SIGNATURES OF PLASTIC CS CODING IN THE INSULA DURING FEAR LEARNING** 09:30 - 09:30

Speaker: Bei-Xuan Lin (Switzerland)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 05 - Learning in Birds

PS05-28AM-484 **RESONANT SONG RECOGNITION IN CRICKETS** 09:30 - 09:30

Speaker: Winston Mann (Germany)

PS05-28AM-485	ROBUSTNESS AND EVOLVABILITY IN A MODEL OF A PATTERN RECOGNITION NETWORK	09:30 - 09:30
<i>Speaker:</i> Daesung Cho (Germany)		
PS05-28AM-486	DYNAMIC CORTICAL AUDITORY-MOTOR NEURONAL PROJECTIONS REGULATE DEVELOPMENTAL SONG LEARNING IN ZEBRA FINCHES	09:30 - 09:30
<i>Speaker:</i> Joanna Komorowska-Müller (Japan)		
PS05-28AM-487	SRC-NADH DEHYDROGENASE SUBUNIT 2 COMPLEX AND RECOGNITION MEMORY OF IMPRINTING IN DOMESTIC CHICKS	09:30 - 09:30
<i>Speaker:</i> Lela Chitadze (Georgia)		
PS05-28AM-488	TRADE-OFFS BETWEEN PITCH AND TEMPO MATCHING IN COUNTER-SINGING NIGHTINGALES	09:30 - 09:30
<i>Speaker:</i> Juan Sebastian Calderon Garcia (Austria)		
PS05-28AM-489	DEVELOPMENT OF MYELINATION IN GLOBULAR BUSY CELLS	09:30 - 09:30
<i>Speaker:</i> Laurin Teich (Germany)		
PS05-28AM-490	NEURONAL ACTIVITY IN AVIAN BASAL GANGLIA-CORTICAL LOOP RELATED TO BIRDSONG ACOUSTIC VARIATION IN ZEBRA FINCHES	09:30 - 09:30
<i>Speaker:</i> Carmen Guerrero-Márquez (France)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Neural Dynamics		
PS05-28AM-084	DIRECTIONALLY TUNED SIGNALS IN MOUSE SUBICULAR COMPLEX AND VISUAL CORTEX DURING PASSIVE ROTATION USING HIGH-DENSITY PROBES	09:30 - 09:30
<i>Speaker:</i> Marin Dauquet (France)		
PS05-28AM-085	IMAGING POPULATION ACTIVITY OF HEAD DIRECTION NEURONS IN THE PRESUBICULUM OF FREELY BEHAVING MICE	09:30 - 09:30
<i>Speaker:</i> Elja Belhadeh (France)		
PS05-28AM-086	SUBPOPULATION OF THALAMIC NEURONS POSSESSES DISTINCT ANATOMICAL CONNECTIVITIES AND ELECTROPHYSIOLOGICAL PROPERTIES IN THE ANTERIOR THALAMIC NUCLEUS	09:30 - 09:30
<i>Speaker:</i> Dongkyun Lim (France)		
PS05-28AM-087	MESOSCALE DYNAMICS OF CELL RESOLUTION CORTICAL ACTIVITY ACROSS BRAIN AREAS IN NATURALISTIC GOAL-DIRECTED BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Tal Chamilevsky (Israel)		
PS05-28AM-088	FUNCTIONAL ORGANIZATION OF THE COGNITIVE MAP FOR NATURALISTIC REACHING BEHAVIOR IN THE MOTOR CORTEX	09:30 - 09:30
<i>Speaker:</i> Noa Shmueli (Israel)		
PS05-28AM-089	MULTIMODAL SIGNAL COMPLEXITY IN SOMATOSENSORY CORTEX REVEALED THROUGH HIGH-DIMENSIONAL REPRESENTATIONS	09:30 - 09:30
<i>Speaker:</i> Kaan Kesgin (Sweden)		
PS05-28AM-090	CONCEPTUALIZING NETWORKS OF NEURONS AS VECTOR FIELDS TO ANALYZE THEIR HIGH-DIMENSIONAL BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Szilvia Szeier (Sweden)		
PS05-28AM-092	DECIPHERING THE DYNAMICS OF MEMORY ENCODING AND RECALL IN THE HIPPOCAMPUS USING TWO-PHOTON CALCIUM IMAGING AND INFORMATION THEORY	09:30 - 09:30
<i>Speaker:</i> Jess Yu (United Kingdom)		

PS05-28AM-093	DECODING ACTIVITY PATTERNS ACROSS PYRAMIDAL CELL DENDRITIC TREES DURING SPONTANEOUS BEHAVIORS USING 3D ARBOREAL SCANNING	09:30 - 09:30
<i>Speaker:</i> Antoine Valera (France)		
PS05-28AM-094	PRESERVED NEURAL DYNAMICS ACROSS ANIMALS PERFORMING SIMILAR BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Mostafa Safaie (Imperial College London, United Kingdom)		
PS05-28AM-095	HIERARCHICAL ORGANIZATION OF MULTIVARIATE SPIKING STATISTICS ACROSS CORTICAL AREAS	09:30 - 09:30
<i>Speaker:</i> Aitor Morales-Gregorio (Germany)		
PS05-28AM-096	QUANTIFYING SPONTANEOUS ACTIVITY IN THE DORSAL ROOT GANGLION USING IN VIVO CALCIUM IMAGING	09:30 - 09:30
<i>Speaker:</i> Alina-Cristina Marin (United Kingdom)		
PS05-28AM-097	SPONTANEOUS MESOSCALE CALCIUM DYNAMICS REFLECT THE DEVELOPMENT OF THE MODULAR FUNCTIONAL ARCHITECTURE OF THE MOUSE CORTEX	09:30 - 09:30
<i>Speaker:</i> Davide Warm (Germany)		
PS05-28AM-098	INTERPRETABLE REPRESENTATIONS OF NEURAL DYNAMICS USING GEOMETRIC DEEP LEARNING	09:30 - 09:30
<i>Speaker:</i> Adam Gosztolai (Austria)		
PS05-28AM-099	SPATIAL ORGANIZATION OF BEHAVIORAL SIGNALS ACROSS THE MOUSE VISUAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Ali Haydaroglu (United Kingdom)		
PS05-28AM-100	REVEALING THE GEOMETRY OF NEURONAL POPULATION DYNAMICS AND SCALING OF NEURONAL DIMENSIONALITY USING CORTEX-WIDE VOLUMETRIC RECORDING OF NEUROACTIVITY AT CELLULAR RESOLUTION	09:30 - 09:30
<i>Speaker:</i> Alipasha Vaziri (United States)		
PS05-28AM-101	MAPPING SYNAPTIC INTEGRATION WITH SIMULTANEOUS GLUTAMATE AND CALCIUM IMAGING	09:30 - 09:30
<i>Speaker:</i> Federico Rossi (Italy)		
PS05-28AM-102	BRAIN-WIDE HIERARCHICAL AND MULTIPLEXED ENCODING OF BEHAVIORS IN C. ELEGANS	09:30 - 09:30
<i>Speaker:</i> Charles Fieseler (Austria)		
PS05-28AM-103	SPATIAL AND TOPOLOGICAL VARIABILITY OF DENDRITIC MORPHOLOGY IN THE MOTION DETECTION PATHWAY OF DROSOPHILA MELANOGASTER	09:30 - 09:30
<i>Speaker:</i> Nikolas Drummond (Germany)		
PS05-28AM-104	DENDRITIC IMAGING OF VOLTAGE AND CALCIUM SIGNALS DURING VISUAL LEARNING PARADIGM	09:30 - 09:30
<i>Speaker:</i> Anna Jasz (Hungary)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Deep Brain Stimulation in Movement Disorders		
PS05-28AM-421	EEG BETA DE-SYNCHRONIZATION SIGNS THE EFFICACY OF A REHABILITATION TREATMENT FOR SPEECH IMPAIRMENT IN PARKINSON'S DISEASE POPULATION	09:30 - 09:30
<i>Speaker:</i> Giovanni Vecchiato (Italy)		
PS05-28AM-422	OUTCOME OF DEEP BRAIN STIMULATION OF THE GLOBUS PALLIDUS PARS INTERNA IN GENETIC DYSTONIA SYNDROMES	09:30 - 09:30
<i>Speaker:</i> Mahboubeh Ahmadipour (Italy)		

PS05-28AM-423	NEURAL BURSTS AND FIRING REGULARITY AS CONVERGENT NEURAL DYNAMICS IN GLOBUS PALLIDUS FOR GENETIC DYSTONIA SYNDROMES	09:30 - 09:30
<i>Speaker:</i> Ahmet Kaymak (Italy)		
PS05-28AM-424	GENDER DIFFERENCES IN EVENT-RELATED POTENTIALS OF SUBJECTIVE COGNITIVE DECLINE AND MILD COGNITIVE IMPAIRMENT DURING A SUSTAINED VISUO-ATTENTIVE TASK	09:30 - 09:30
<i>Speaker:</i> Alberto Vergani (Italy)		
PS05-28AM-425	INVOLVEMENT OF THE HYPOTHALAMIC A11 NUCLEUS IN THE PATHOPHYSIOLOGY OF PARKINSONIAN-LIKE NOCICEPTIVE DISABILITIES	09:30 - 09:30
<i>Speaker:</i> Alexia Duveau (France)		
PS05-28AM-426	THE APERIODIC COMPONENT OF SUBTHALAMIC LFP IS SENSITIVE TO DOPAMINERGIC STATE AND MOTOR IMPAIRMENT IN PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Ksenia Sayfulina (Russian Federation)		
PS05-28AM-427	PALLIDAL SINGLE CELL ACTIVITY OF MEDICATED PATIENTS WITH PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Philip Pavlovsky (Russian Federation)		
PS05-28AM-428	THE SUBTHALAMIC NUCLEUS CONTROLS NOCICEPTIVE INTEGRATION IN THE SPINAL CORD AND REVERSE NOCICEPTIVE HYPESENSITIVITY IN PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Rabia Bouali-Benazzouz (France)		
PS05-28AM-429	INTERACTIONS BETWEEN THE SUBTHALAMIC NUCLEUS AND THE PRIMARY MOTOR CORTEX CONTROL PARKINSONIAN MOTOR AND NOCICEPTIVE DISORDERS	09:30 - 09:30
<i>Speaker:</i> Elba Molpeceres (France)		
PS05-28AM-430	INCREASE IN CORTICOSPINAL CELL FIRING DESPITE REDUCED EXCITABILITY OF INDIVIDUAL CORTICOSPINAL CELLS: PARADOXICAL EFFECTS IN COMPUTER MODEL OF MOTOR CORTEX	09:30 - 09:30
<i>Speaker:</i> William Lytton (United States)		
PS05-28AM-431	PATHOLOGY OF THE SUBTHALAMIC NUCLEUS IN PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Asheeta Prasad (Australia)		
PS05-28AM-432	FREQUENCY- AND LAYER-SPECIFIC EFFECTS OF HIGH-FREQUENCY STN STIMULATION ON MOUSE MOTOR CORTICAL AREAS IN VIVO	09:30 - 09:30
<i>Speaker:</i> Svenja Kreis (Germany)		
PS05-28AM-433	IMPACT OF DEEP BRAIN STIMULATION ON QUALITY OF LIFE IN PARKINSON'S DISEASE PATIENTS	09:30 - 09:30
<i>Speaker:</i> Sanjay Kumar (India)		
PS05-28AM-434	EFFECT OF PALLIDAL DBS ON THE CEREBELLAR CORTEX OF A DYSTONIC MODEL	09:30 - 09:30
<i>Speaker:</i> Fabiana Santana Kragelund (Germany)		
PS05-28AM-435	REDUCED PAIN THRESHOLDS IN TWO PARKINSON'S DISEASE MICE MODELS	09:30 - 09:30
<i>Speaker:</i> Carlos Salas Prieto (Spain)		
PS05-28AM-436	SPECIES-SPECIFIC PROPERTIES OF PARKINSONIAN BETA OSCILLATIONS SUGGEST DIVERGING GENERATION MECHANISMS	09:30 - 09:30
<i>Speaker:</i> Elena Nicollin (France)		

PS05-28AM-437	STATE DEPENDENT NEURAL CORRELATES OF MOTOR IMPAIRMENTS IN PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Burce Kabaoglu (Germany)		
PS05-28AM-438	LOCAL AND SYSTEMIC EFFECTS - INTERMITTENT THETA BURST STIMULATION AMELIORATES 6-OHDA-INDUCED PARKINSON'S DISEASE PATHOLOGY BY MODULATING PURINERGIC SIGNALING AND OXIDATIVE STRESS	09:30 - 09:30
<i>Speaker:</i> Milorad Dragic (Serbia)		
PS05-28AM-439	THETA BURST STIMULATION IMPROVES MOTOR RECOVERY BY RESTORING THE INTERACTION OF D1R-A1R AND D2R-A2AR IN THE 6-OHDA MODEL OF PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Milica Zeljkovic Jovanovic (Serbia)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 05 - Drosophila Behavioural Neuroscience		
PS05-28AM-409	VISUAL EVIDENCE ACCUMULATION IN <i>DROSOPHILA MELANOGASTER</i>	09:30 - 09:30
<i>Speaker:</i> Matteo Bruzzone (Italy)		
PS05-28AM-410	MORPHOLOGICAL AND FUNCTIONAL CHARACTERIZATION OF A CDKL5 MUTANT ZEBRAFISH LINE	09:30 - 09:30
<i>Speaker:</i> Marco Salamanca (Italy)		
PS05-28AM-411	EFFECTS OF MULTIMODAL SENSORY INTEGRATION IN <i>D. MELANOGASTER</i> OPTOKINETIC RESPONSE	09:30 - 09:30
<i>Speaker:</i> Giulio Maria Menti (Italy)		
PS05-28AM-412	A POTENTIAL ROLE OF LARVAL <i>DROSOPHILA MELANOGASTER</i> CUTICULAR PHEROMONES IN FEEDING AND AGGRESSION BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Sari Anshütz (Germany)		
PS05-28AM-413	A NEURONAL CIRCUIT APPROACH TO HABITUATION AND DISHABITUATION MECHANISMS IN <i>DROSOPHILA MELANOGASTER</i>	09:30 - 09:30
<i>Speaker:</i> Alexandros Charonitakis (Greece)		
PS05-28AM-414	A CIRCUMPLEX MODEL OF AFFECT IN <i>DROSOPHILA</i>	09:30 - 09:30
<i>Speaker:</i> Yi Wang (Germany)		
PS05-28AM-415	CIRCUIT MOTIFS FOR LEARNING WITH REINFORCEMENT PREDICTION IN THE <i>DROSOPHILA</i> MUSHROOM BODY	09:30 - 09:30
<i>Speaker:</i> Anna-Maria Jürgensen (Germany)		
PS05-28AM-416	HOW TO IMPROVE MOTOR LEARNING IN <i>DROSOPHILA</i>	09:30 - 09:30
<i>Speaker:</i> Radostina Lyutova (Germany)		
PS05-28AM-417	NEURAL PATHWAYS AND COMPUTATIONS THAT ACHIEVE STABLE CONTRAST PROCESSING TUNED TO NATURAL SCENES	09:30 - 09:30
<i>Speaker:</i> Marion Silies (Germany)		
PS05-28AM-418	DISYNAPTIC INHIBITION SHAPES TUNING OF OFF-MOTION DETECTORS IN <i>DROSOPHILA</i>	09:30 - 09:30
<i>Speaker:</i> Amalia Braun (Germany)		
PS05-28AM-419	OCTOPAMINERGIC MODULATION OF MOTOR PROGRAM SELECTION IN THE <i>DROSOPHILA</i> LARVAL LOCOMOTOR SYSTEM	09:30 - 09:30
<i>Speaker:</i> William Smith (United Kingdom)		
PS05-28AM-420	MAPPING THE SENSORIMOTOR CONNECTOME UNDERLYING PROTEIN-SPECIFIC APPETITES IN <i>DROSOPHILA MELANOGASTER</i>	09:30 - 09:30

Speaker: Ibrahim Tastekin (Portugal)

Scientific Symposia (S)

09:45 - 11:15

A

S33 - The microbiota-gut-brain axis in brain development and adult function

Chair: Anthony Hannan (Florey Institute of Neuroscience and Mental Health, University of Melbourne, Australia)

Introduction

09:45 - 09:47

Gut microbiota and immune system interactions in neurodevelopment and behaviour

09:47 - 10:05

Speaker: Rochellys Diaz Heijtz, PhD (Karolinska Institutet, , Stockholm, Sweden, Sweden)

Q&A

10:05 - 10:09

Modulation of neuroinflammation by microbiota-derived factors in stroke

10:09 - 10:27

Speaker: Corinne Benakis (LMU Munich, Germany)

Q&A

10:27 - 10:31

The microbiome-gut-brain axis, brain function and behaviour: Moving towards mechanisms

10:31 - 10:49

Speaker: Gerard Clarke (University College Cork, Ireland)

Q&A

10:49 - 10:53

The microbiota-gut-brain axis as a modulator of cognitive and affective function in mouse models

10:53 - 11:11

Speaker: Anthony Hannan (Florey Institute of Neuroscience and Mental Health, University of Melbourne, Australia)

Q&A

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

B

S34 - The dynamism of the hippocampal neural code

Chair: Daniela Schiller (Icahn School of Medicine at Mount Sinai, United States)

Chair: Christian Doeller (Max Planck Institute for Human Cognitive and Brain Sciences, Germany)

Introduction

09:45 - 09:47

Hippocampal coding beyond the representation of self-location

09:47 - 10:05

Speaker: Nachum Ulanovsky (Weizmann Institute of Science, Israel)

Q&A

10:05 - 10:09

Insights from intra-cranial recording in the hippocampal system of freely-moving humans

10:09 - 10:27

Speaker: Nanthia Suthana (David Geffen School of Medicine at UCLA, United States)

Q&A

10:27 - 10:31

Hippocampal contributions to structure learning and abstraction

10:31 - 10:49

Speaker: Stephanie Theves (Max Planck Institute for Human Cognitive and Brain Sciences, Germany)

Q&A

10:49 - 10:53

Hippocampal representation of the geometry of social space

10:53 - 11:11

Speaker: Daniela Schiller (Icahn School of Medicine at Mount Sinai, United States)

Q&A

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

C

S35 - Next-generation approaches for monitoring neurochemicals in the living brain*Chair:* Filippo Pisano (University of Padua, Department of Physics and Astronomy, Italy)*Chair:* Tommaso Patriarchi (University of Zürich, Switzerland)**Introduction**

09:45 - 09:47

Next generation optical tools to sense neuromodulators in action

09:47 - 10:05

Speaker: Tommaso Patriarchi (University of Zürich, Switzerland)**Q&A**

10:05 - 10:09

Development and application of genetically encoded biosensors

10:09 - 10:27

Speaker: Olivia Masseck (Universität Bremen, Germany)**Q&A**

10:27 - 10:31

Vibrational photometry: detecting molecules in the deep brain with implantable nanophotonics

10:31 - 10:49

Speaker: Massimo De Vittorio (Istituto Italiano di Tecnologia, Center for Biomolecular Nanotechnologies, Italy)**Q&A**

10:49 - 10:53

Multi-site monitoring of neuromodulator release during learning

10:53 - 11:11

Speaker: Eleanor Simpson (Columbia University / NYSPI, United States)**Q&A**

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

D

S36 - Neural representations of emotional contagion*Chair:* Manuel Mameli (The University of Lausanne, Switzerland)**Introduction**

09:45 - 09:47

Vicarious stress promotes coping behaviors and serotonin-driven plasticity in habenula

09:47 - 10:05

Speaker: Sarah Mondoloni (The University of Lausanne, Switzerland)**Q&A**

10:05 - 10:09

Neural circuit mechanisms of social transfer of pain, analgesia and negative affect

10:09 - 10:27

Speaker: Monique Smith (The University of California San Diego (UCSD), United States)**Q&A**

10:27 - 10:31

The role of oxytocin in the social transmission of behavior

10:31 - 10:49

Speaker: Ioana Carcea (Rutgers, The State University of New Jersey, United States)**Q&A**

10:49 - 10:53

Brain-to-brain coupling during vicarious threat learning in humans

10:53 - 11:11

Speaker: Andreas Olsson (Karolinska Institutet, Sweden)**Q&A**

11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

E

S37 - The role of noise and variability in circuit wiring and function*Chair:* Bassem Hassan (Institut du Cerveau-Paris Brain Institute, France)*Chair:* Laura Andrae (King's College London, United Kingdom)

Introduction	09:45 - 09:47	
Synaptic Promiscuity in Drosophila Brain Development	09:47 - 10:05	
<i>Speaker:</i> Robin Hiesinger (Freie Universität Berlin, Germany)		
Q&A	10:05 - 10:09	
Stochastic transmitter release in mammalian hippocampal circuit formation	10:09 - 10:27	
<i>Speaker:</i> Laura Andraea (King's College London, United Kingdom)		
Q&A	10:27 - 10:31	
Predicting behavioral variability from visually evoked neural activity across the zebrafish brain	10:31 - 10:49	
<i>Speaker:</i> Eva Naumann (Duke University, United States)		
Q&A	10:49 - 10:53	
Sampling-based representations of uncertainty: a computational theory of neural response variability	10:53 - 11:11	
<i>Speaker:</i> Máté Lengyel (University of Cambridge, UK / Central European University, Budapest, Hungary, United Kingdom)		
Q&A	11:11 - 11:15	
<i>Scientific Symposia (S)</i>		
09:45 - 11:15		F
S38 - Sculpting the future - Interdisciplinary lessons on legacies of stress		
<i>Chair:</i> Brian Dias (USC Keck School of Medicine & Children's Hospital Los Angeles, United States)		
Introduction	09:45 - 09:47	
Prenatal stress during neurogenic periods shapes cell regulatory networks and brain architecture	09:47 - 10:05	
<i>Speaker:</i> Cristiana Cruceanu (Karolinska Institutet, Sweden)		
Q&A	10:05 - 10:09	
Intergenerational legacy of paternal stress hormone receptor activation	10:09 - 10:27	
<i>Speaker:</i> Katharina Gapp (ETH Zurich, Switzerland)		
Q&A	10:27 - 10:31	
Sensing trauma: Intergenerational inheritance of olfactory experience	10:31 - 10:49	
<i>Speaker:</i> Bianca Marlin (Columbia University, United States)		
Q&A	10:49 - 10:53	
Cross-species investigations of legacies of stress	10:53 - 11:11	
<i>Speaker:</i> Brian Dias (USC Keck School of Medicine & Children's Hospital Los Angeles, United States)		
Q&A	11:11 - 11:15	
<i>Scientific Symposia (S)</i>		
09:45 - 11:15		G
S39 - Synapse size regulation: From data-driven modeling to model-driven experiments, and back again		
<i>Chair:</i> Christian Specht (Inserm U1195 / Université Paris-Saclay, Diseases and Hormones of the Nervous System (DHNS), France)		
<i>Chair:</i> Jonas Ranft (IBENS, Ecole Normale Supérieure & CNRS, France)		

Introduction	09:45 - 09:47	
Condensate biology at the synapse	09:47 - 10:05	
<i>Speaker:</i> Dragomir Milovanovic (German Center for Neurodegenerative Diseases (DZNE), Germany)		
Q&A	10:05 - 10:09	
Statistical, biophysical and functional aspects of synaptic size fluctuations	10:09 - 10:27	
<i>Speaker:</i> Naama Brenner (Technion - Israel Institute of Technology, Israel)		
Q&A	10:27 - 10:31	
Quantifying receptor-scaffold dynamics at inhibitory synapses: modeling and experiment	10:31 - 10:49	
<i>Speaker:</i> Jonas Ranft (IBENS, Ecole Normale Supérieure & CNRS, France)		
Q&A	10:49 - 10:53	
The different phases of synaptic long-term plasticity	10:53 - 11:11	
<i>Speaker:</i> Christian Tetzlaff (University Medical Center Göttingen, Germany)		
Q&A	11:11 - 11:15	
 <i>Scientific Symposia (S)</i>		
09:45 - 11:15		H
S40 - Insular cortex, a versatile hub for bodily sensations		
<i>Chair:</i> Mario Carta (Univ. Bordeaux, CNRS, IINS, UMR 5297, France)		
<i>Chair:</i> Mikkel Vestergaard (Max Delbrück Center, Germany)		
Introduction	09:45 - 09:47	
Insular cortex to ventral striatum synapses encode valence of social interaction	09:47 - 10:05	
<i>Speaker:</i> Camilla Bellone (University of Geneva, Switzerland)		
Q&A	10:05 - 10:09	
The cellular coding of temperature in the mammalian cortex	10:09 - 10:27	
<i>Speaker:</i> Mario Carta (Univ. Bordeaux, CNRS, IINS, UMR 5297, France)		
Q&A	10:27 - 10:31	
Emotion state processing in insular cortical circuits	10:31 - 10:49	
<i>Speaker:</i> Nadine Gogolla (Max Planck Institute of Psychiatry, Germany)		
Q&A	10:49 - 10:53	
Immunoception: Neuronal traces of immune responses	10:53 - 11:11	
<i>Speaker:</i> Tamar Koren (Technion - Israel Institute of Technology, Israel)		
Q&A	11:11 - 11:15	
 <i>Open Theatre (OT)</i>		
11:30 - 12:00		OT
OT10 - FENS Cast - Live Session		
 <i>Special Interest Events (SiE)</i>		
12:00 - 12:45		D
SiE11 - Exploring Open Tools for Cell Type Taxonomies with the Allen Institute Programme	12:00 - 12:00	

Speakers	12:00 - 12:00
<i>Speaker:</i> Rachel Hostetler (United States)	
<i>Speaker:</i> Lauren Alfiler (United States)	
 <i>Special Interest Events (SiE)</i>	
12:00 - 12:45	E
SiE12 - Shining, not Burning: The Mental Health Challenges of Modern Academia	
<i>Moderator:</i> Ali Jawaid (Poland)	
<i>Moderator:</i> Anissa Kempf (Switzerland)	
<i>Moderator:</i> Lisa Genzel (Netherlands)	
Speakers	12:00 - 12:00
<i>Speaker:</i> Marian Joels (Netherlands)	
<i>Speaker:</i> Flavio Donato (Switzerland)	
<i>Speaker:</i> Anthony Hannan (Florey Institute of Neuroscience and Mental Health, University of Melbourne, Australia)	
<i>Speaker:</i> Abdelrahman (Abdel) Rayan (Netherlands)	
<i>Speaker:</i> Sara Carracedo (France)	
 <i>Special Interest Events (SiE)</i>	
12:00 - 12:45	F
SiE13 - Neuroscience Capacity Building: The Value of Involving Lived Experience	
<i>Moderator:</i> Emma Byrne (United Kingdom)	
Programme	12:00 - 12:00
Speakers	12:00 - 12:00
<i>Speaker:</i> Thomas Tagoe (Ghana)	
<i>Speaker:</i> Laura V. Sánchez-Vincitore (Dominican Republic)	
<i>Speaker:</i> Peter Kéri (Hungary)	
 <i>Special Interest Events (SiE)</i>	
12:00 - 12:45	H
SiE15 - The ERC, funding support for investigator-driven research in Europe	
Programme	12:00 - 12:00
Speakers	12:00 - 12:00
<i>Speaker:</i> Cary Esselens (European Research Council, Belgium)	
<i>Speaker:</i> Lisa Fenk (Max Planck Institute for Biological Intelligence, Germany)	
<i>Speaker:</i> Charlotte N. Boccara (Systems Neuroscience & Sleep, Centre for Molecular Medicine Norway, University of Oslo, Norway)	
 <i>Special Interest Events (SiE)</i>	
12:00 - 12:45	OT
SiE14 - Funny Brains - Science Communication via Comedy	
Speakers	12:00 - 12:00
<i>Speaker:</i> John Butler (Ireland)	
<i>Speaker:</i> Rebecca Ellis (United Kingdom)	
<i>Speaker:</i> Michele Marini (Belgium)	
 <i>Open Theatre (OT)</i>	
13:00 - 13:30	OT
OT11 - Mindfulness Session: Focus On The Breath	
 <i>Special Lecture (SL)</i>	
13:30 - 14:15	A
SL06 - Eric Kandel Prize Lecture & Scientific Award Ceremony, Mackenzie Mathis and Alexander Mathis (CH)	

	Introduction	13:30 - 13:35
	Measuring and modeling the motor system with machine learning	13:35 - 14:15
	<i>Speaker:</i> Mackenzie Mathis (EPFL, Switzerland)	
	<i>Speaker:</i> Alexander Mathis (EPFL, Switzerland)	
	<i>Special Lecture (SL)</i>	
	13:30 - 14:15	C
	SL07 - EBBS/Behavioural Brain Research Lecture, Iain Couzin (DE)	
	Introduction	13:30 - 13:35
	The Geometry of Decision-Making	13:35 - 14:15
	<i>Speaker:</i> Iain Couzin (Max Planck Institute of Animal Behavior & University of Konstanz, Germany)	
	<i>Poster Sessions</i>	
	14:00 - 17:30	Posters
	Poster Session 06 - Multiple Sclerosis Research	
PS06-28PM-390	RE-EMERGENCE OF T LYMPHOCYTES-MEDIATED SYNAPTOPATHY IN PROGRESSIVE MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Federica Palmerio (Italy)	
PS06-28PM-391	INTERLEUKIN-9 PROTECTS FROM MICROGLIA- AND TNF-MEDIATED SYNAPTOTOXICITY IN EXPERIMENTAL MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Alice Tartacca (Italy)	
PS06-28PM-393	SYNERGISTIC EFFECT OF MELATONIN AND METHYLPREDNISOLONE ON REDUCING DISABILITY IN EAE BY AMELIORATING INDUCTION, MIGRATION AND REACTIVATION OF T CELLS IN THE CENTRAL NERVOUS SYSTEM	14:00 - 14:00
	<i>Speaker:</i> Ana Isabel Alvarez Lopez (Spain)	
PS06-28PM-394	MELATONIN REDUCES NEUROINFLAMMATION AND AMELIORATES GUT DYSBIOSIS IN THE PRECLINICAL MOUSE MODEL OF PROGRESSIVE MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Eduardo Ponce-España (Spain)	
PS06-28PM-395	INFLAMMASOMES, M2 CELLS, LONG-NONCODING RNAs AND NANOPARTICLES; THE FOUR WHEELS OF MULTIPLE SCLEROSIS?	14:00 - 14:00
	<i>Speaker:</i> Hend M. El Tayebi (Egypt)	
PS06-28PM-396	VISUAL IMPAIRMENTS IN A MOUSE MODEL OF MULTIPLE SCLEROSIS: A TRANSCRIPTOMIC ANALYSIS	14:00 - 14:00
	<i>Speaker:</i> Taekyun Shin (Korea, Republic of)	
PS06-28PM-397	ASTROCYTIC S100B PROTEIN IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS PROCESSES	14:00 - 14:00
	<i>Speaker:</i> Fabrizio Michetti (Italy)	
PS06-28PM-398	APPLICATION OF SINGLE-CELL CRISPR/A SCREEN TO CHARACTERIZE MULTIPLE SCLEROSIS-ASSOCIATED SINGLE NUCLEOTIDE POLYMORPHISMS IN OLIGODENDROCYTES	14:00 - 14:00
	<i>Speaker:</i> Ting Sun (Sweden)	
PS06-28PM-399	MIR-145 DEPLETION PROMOTES MYELIN REGENERATION IN A NOVEL MOUSE MODEL OF MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Monique Marylin Alves de Almeida (Canada)	
PS06-28PM-400	TARGETING PAC1 RECEPTORS TO PREVENT CNS WHITE MATTER INFLAMMATION, SYNAPSE LOSS AND LOCOMOTOR DEFICITS IN THE CUPRIZONE DEMYELINATION MODEL	14:00 - 14:00
	<i>Speaker:</i> Margo Jansen (Australia)	

PS06-28PM-401	B CELL RECONSTITUTION AND THE ALTERATION OF IMMUNE CELL LANDSCAPE IN OCRELIZUMAB-TREATED PATIENTS WITH MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Meng Wang (Germany)	
PS06-28PM-402	TRANSCRIPTIONAL CHANGES IN THE PREFRONTAL CORTEX ARE ASSOCIATED WITH COGNITIVE IMPAIRMENT IN AN EXPERIMENTAL MOUSE MODEL OF MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Maria Concetta Geloso (Italy)	
PS06-28PM-403	MODULATION OF MOUSE HIPPOCAMPAL LIPIDOMIC SIGNATURE BY FTY720, A SPHINGOSINE-1-PHOSPHATE ANALOGUE USED FOR TREATING RELAPSING-REMITTING MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Daniela Magalhães (Portugal)	
PS06-28PM-404	THE TRIAL OF SMALL MOLECULES TO PROMOTE REMYELINATION AND NEUROPROTECTION IN AN ANIMAL MODEL OF DEMYELINATION AND NEUROINFLAMMATION	14:00 - 14:00
	<i>Speaker:</i> Maurice Pagnin (Australia)	
PS06-28PM-405	SELECTIVE BEHAVIORAL ALTERATIONS AFTER ACUTE PARTICULATE MATTER EXPOSURE IN A PRE-SYMPTOMATIC MULTIPLE SCLEROSIS MOUSE MODEL	14:00 - 14:00
	<i>Speaker:</i> Martino Bonato (Italy)	
PS06-28PM-406	CHARACTERIZING DOUBLE-NEGATIVE NEUROMYELITIS OPTICA SPECTRUM DISORDER: A META-ANALYSIS	14:00 - 14:00
	<i>Speaker:</i> Antonio Malvaso (Italy)	
PS06-28PM-407	ELUCIDATING NEURONAL ACTIVITY PATTERNS IN AUTOIMMUNE NEUROINFLAMMATION: A BRAIN-WIDE APPROACH	14:00 - 14:00
	<i>Speaker:</i> María Nazareth González Alvarado (Austria)	
PS06-28PM-408	IMMUNE CELL PROFILING OF CEREBROSPINAL FLUID IN PATIENTS WITH NEUROINFLAMMATORY DISEASES USING MASS CYTOMETRY (CYTOF)	14:00 - 14:00
	<i>Speaker:</i> Gerardina Gallaccio (Germany)	
PS06-28PM-409	NR4A1 IS DOWNREGULATED IN HUMAN BRAIN MICROVASCULAR ENDOTHELIAL CELLS IN RESPONSE TO TWEAK STIMULATION	14:00 - 14:00
	<i>Speaker:</i> Jehanne Aghzadi (France)	
PS06-28PM-410	ROLE OF COMPLEMENT IN REGULATING GLUTAMATE TRANSMISSION IN AN EXPERIMENTAL MODEL OF MULTIPLE SCLEROSIS	14:00 - 14:00
	<i>Speaker:</i> Alice Taddeucci (Italy)	
PS06-28PM-411	DIIODOTHYROPROPIONIC ACID FACILITATES OLIGODENDROCYTE DIFFERENTIATION AND MYELINATION TO ENHANCE NEUROPROTECTION AND NEUROREPAIR IN THE CENTRAL NERVOUS SYSTEM	14:00 - 14:00
	<i>Speaker:</i> Rahimeh Emamnejad (Australia)	
PS06-28PM-412	BLOOD BIOMARKERS TO MONITOR NEUROINFLAMMATION: INSIGHTS FROM HEMATOPOIETIC STEM CELL TRANSPLANTATION AND GENE THERAPY IN X-LINKED ADRENOLEUKODYSTROPHY	14:00 - 14:00
	<i>Speaker:</i> Isabelle Weinhofer (Austria)	
PS06-28PM-413	ANALYSIS OF THE KALLIKREIN-KININ SIGNALING PATHWAY IN CORTICAL NEURONS	14:00 - 14:00
	<i>Speaker:</i> Nicole Rychlik (Germany)	
PS06-28PM-414	NOVEL POTENTIAL BIOMARKERS FOR MULTIPLE SCLEROSIS: EVALUATING THE EXPRESSION LEVELS OF MIR-141, MIR-9,	14:00 - 14:00

MEG3, IFNG-AS1 AND THEIR RELATIONSHIP TO DIFFERENT LINC00513 POLYMORPHISMS

Speaker: Nada Sherif Amin (Egypt)

PS06-28PM-415 **CHRONIC DEMYELINATING PATHOLOGY INDUCES LYSOSOMAL EXHAUSTION AND DYSFUNCTION OF LIPID RECYCLING PATHWAYS IN MICROGLIA** 14:00 - 14:00

Speaker: Stefan Berghoff (Germany)

PS06-28PM-416 **METABOLOMIC PROFILING UNVEILS NOVEL INSIGHTS INTO MULTIPLE SCLEROSIS PATHOGENESIS** 14:00 - 14:00

Speaker: Pinar Sengul (Turkey)

PS06-28PM-417 **UNVEILING THE PROTEOMIC LANDSCAPE OF MULTIPLE SCLEROSIS: A COMPARATIVE ANALYSIS IN TWO MOUSE MODELS** 14:00 - 14:00

Speaker: Sonsoles Barriola (Spain)

PS06-28PM-418 **TOLL-LIKE RECEPTOR 4 (TLR4), A TARGET FOR CYTOPROTECTION AND (RE)MYELINATION IN MULTIPLE SCLEROSIS** 14:00 - 14:00

Speaker: Miguel Marchena (Spain)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Neuronal Network Connectivity Dynamics

PS06-28PM-115 **COMPUTATION WITH NEURONAL CULTURES: EFFECTS OF CONNECTIVITY MODULARITY ON RESPONSE SEPARATION AND GENERALISATION IN SIMULATIONS AND EXPERIMENTS** 14:00 - 14:00

Speaker: Akke Mats Houben (Spain)

PS06-28PM-116 **ARTIFACT IDENTIFICATION IN TRANSFER ENTROPY CONNECTIVITY INFERENCE OF NEURONAL CULTURES** 14:00 - 14:00

Speaker: Mikel Ocio-Moliner (Spain)

PS06-28PM-117 **DYNAMIC BEHAVIOUR AND FUNCTIONAL ORGANIZATION OF NEURONAL CULTURES GROWN IN SUBSTRATES WITH SPATIAL ANISOTROPIES** 14:00 - 14:00

Speaker: Mireia Olives Verger (Spain)

PS06-28PM-118 **EXPLORING STIMULATION AND PLASTICITY IN TAILORED NEURONAL CULTURES MONITORED ON HIGH-DENSITY MULTIELECTRODE ARRAYS** 14:00 - 14:00

Speaker: Anna-Christina Haeb (Spain)

PS06-28PM-119 **IMPACT OF INTER-AREAL CONNECTIVITY ON SENSORY PROCESSING IN A BIOPHYSICALLY-DETAILED MODEL OF TWO INTERACTING CORTICAL AREAS** 14:00 - 14:00

Speaker: Sirio Bolaños Puchet (Switzerland)

PS06-28PM-120 **A CONNECTOME MANIPULATION FRAMEWORK FOR THE SYSTEMATIC AND REPRODUCIBLE STUDY OF STRUCTURE-FUNCTION RELATIONSHIPS THROUGH SIMULATIONS** 14:00 - 14:00

Speaker: Christoph Pokorny (Switzerland)

PS06-28PM-121 **INTERACTIVE BRAIN ATLAS CURATION AND ENHANCEMENT WITH HOUDINI AND PYTHON** 14:00 - 14:00

Speaker: Davide Bella (Switzerland)

PS06-28PM-122 **DYNAMICAL COMPLEXITY IN ENGINEERED BIOLOGICAL NEURONAL NETWORKS WITH DIRECTIONAL AND MODULAR CONNECTIONS** 14:00 - 14:00

Speaker: Nobuaki Monma (Japan)

PS06-28PM-123 **MECHANISMS OF ATTENTION IN BIOPHYSIOLOGICALLY** 14:00 - 14:00

REALISTIC DALEIAN SPIKING NEURAL NETWORKS*Speaker:* Marius Schneider (Germany)

PS06-28PM-124 **FUNCTIONAL CONNECTIVITY OF IN-VITRO NEURONAL SPIKING
ACTIVITY DURING REST AND GAMEPLAY** 14:00 - 14:00

Speaker: Alon Loeffler (Australia)

PS06-28PM-125 **RESERVOIR COMPUTING USING CULTURED NEURONAL
NETWORKS WITH MODULAR TOPOLOGY** 14:00 - 14:00

Speaker: Takuma Sumi (Japan)

PS06-28PM-126 **EFFECT OF OPTOGENETIC MODULATION OF NEURONAL
ENSEMBLES IN CULTURED NEURONAL NETWORKS** 14:00 - 14:00

Speaker: Hakuba Murota (Japan)

PS06-28PM-127 **UNIFYING STRUCTURED ACTIVITY, TRAVELLING WAVES, AND
OPTOGENETIC PERTURBATION DURING RESTING STATE IN A
SINGLE LARGE-SCALE V1 MODEL** 14:00 - 14:00

Speaker: Tibor Rozsa (Czech Republic)

PS06-28PM-128 **THE FUNCTIONAL TRANSMISSION OF INFORMATION IN A
MIXED-CULTURED NEURAL NETWORK OF CHICK AND RAT** 14:00 - 14:00

Speaker: Suguru Kudoh (Japan)

PS06-28PM-129 **CLUSTERING VISUAL SENSORY NEURONS BASED ON THEIR
INVARIANCES** 14:00 - 14:00

Speaker: Luca Baroni (Czech Republic)

PS06-28PM-130 **EXPLOITING NETWORK TOPOLOGY IN BRAIN-SCALE MULTI-
AREA MODEL SIMULATIONS** 14:00 - 14:00

Speaker: Melissa Lober (Germany)

PS06-28PM-131 **WEIGHTED GENERATIVE NETWORK MODELS OF NEURONAL
DEVELOPMENT** 14:00 - 14:00

Speaker: Kayton Rotenberg (United Kingdom)

PS06-28PM-132 **QUANTIFYING SHARED STRUCTURE BETWEEN REAL MATRICES
OF ARBITRARY SHAPE** 14:00 - 14:00

Speaker: Jasper Albers (Germany)

PS06-28PM-133 **SPLITTER CELLS INSIDE A RANDOM BUT EMBODIED
COMPUTATIONAL MODEL** 14:00 - 14:00

Speaker: Naomi Chaix-Eichel (France)

PS06-28PM-134 **ACHIEVING THE THREE LOGIC OPERATIONS USING
ENGINEERED BIOLOGICAL NEURONAL NETWORKS** 14:00 - 14:00

Speaker: Joël Kuchler (Switzerland)

PS06-28PM-135 **COMPUTING IN NEURONAL NETWORKS WITH PLASTICITY BY
ALL-OPTICAL INTERFACING** 14:00 - 14:00

Speaker: Andrey Formozov (Germany)

PS06-28PM-136 **HARD TO DIGEST: THE CHALLENGES OF MODELING THE
DYNAMICS OF THE C. ELEGANS PHARYNX** 14:00 - 14:00

Speaker: James Ferguson (Austria)

PS06-28PM-137 **LIBRARY OF DYNAMICS : LINKING PARAMETERS AND
BEHAVIOUR OF SPIKING NEURAL NETWORKS** 14:00 - 14:00

Speaker: Aaradhya Vaze (Austria)

PS06-28PM-138 **REORGANISATION OF MODULAR ACTIVITY IN CORTICAL
CIRCUITS** 14:00 - 14:00

Speaker: Lorenzo Butti (Germany)

PS06-28PM-139 **CRITICALITY EXPLAINS STRUCTURE-FUNCTION RELATIONSHIPS
IN THE HUMAN BRAIN** 14:00 - 14:00

Speaker: MARIANNA ANGIOLELLI (Italy)

PS06-28PM-140 **FIBRATION SYMMETRIES REVEAL NEURONAL SYNCHRONIZATIONS IN THE *C. ELEGANS* CONNECTOME** 14:00 - 14:00

Speaker: Pedro Augusto (Austria)

Poster Sessions

14:00 - 17:30

Posters

PS06 - Poster Session 06 (Poster authors in attendance: 14:00 - 15:30)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Primate Brain Networks

PS06-28PM-548 **DIFFERENTIAL FUNCTIONAL ORGANIZATION OF AMYGDALA-MEDIAL PREFRONTAL CORTEX NETWORKS IN MACAQUE AND HUMAN** 14:00 - 14:00

Speaker: Camille Giacometti (France)

PS06-28PM-549 **THE NEUROPHYSIOLOGICAL BASIS OF LEARNING TO LEARN IN MACAQUE MONKEYS** 14:00 - 14:00

Speaker: Marion Ducret (France)

PS06-28PM-550 **TRANSCRANIAL ULTRASOUND NEUROMODULATION INDUCES METABOLIC AND RESTING-STATE CHANGES IN AMYGDALA** 14:00 - 14:00

Speaker: Julien Claron (France)

PS06-28PM-551 **ACOUSTICAL DISTANCE TO THE AVERAGE VOICE MODULATES NEURAL TUNING IN THE MACAQUE VOICE PATCHES** 14:00 - 14:00

Speaker: Yoan Esposito (France)

PS06-28PM-552 **ENCODING OF VOICE IDENTITY BY NEURONS IN THE MACAQUE ANTERIOR TEMPORAL VOICE AREA** 14:00 - 14:00

Speaker: Margherita Giamundo (France)

PS06-28PM-553 **GPT-4 CAN RECOGNIZE THEORY OF MIND IN NATURAL CONVERSATIONS: FMRI EVIDENCE** 14:00 - 14:00

Speaker: Camilla Di Pasquasio (France)

PS06-28PM-554 **HIGH-RESOLUTION FMRI REVEALS AN EXTENSIVE CORTICAL NETWORK RESPONDING TO CONSPECIFIC EMOTIONAL VOCALISATIONS IN MACAQUES** 14:00 - 14:00

Speaker: Mathilda Froesel (Belgium)

PS06-28PM-555 **VOCAL-CARDIORESPIRATORY COORDINATION DURING THE LEARNING PROCESS TO VOLITIONALLY VOCALIZE IN MARMOSET MONKEYS** 14:00 - 14:00

Speaker: Cristina Risueno Segovia (Japan)

PS06-28PM-556 **DIRECT PROJECTIONS FROM THE CONTRALATERAL AMYGDALA TO EXTRASTRIATE AREAS IN THE MARMOSET MONKEY** 14:00 - 14:00

Speaker: Marcello Rosa (Australia)

PS06-28PM-557 **SUBCORTICAL CORRELATES OF MACAQUES' SOCIAL TOLERANCE SCALE** 14:00 - 14:00

Speaker: Sarah Silvere (France)

PS06-28PM-558 **EMPATHY AND BASIC BEHAVIOR IN NON-HUMAN PRIMATES** 14:00 - 14:00

Speaker: Shahaboddin Zarei (China)

PS06-28PM-559 **UNIQUE CORTICAL AND SUBCORTICAL ACTIVATION PATTERNS FOR DIFFERENT CONSPECIFIC CALLS IN MARMOSETS** 14:00 - 14:00

Speaker: Azadeh Jafari (Canada)

PS06-28PM-560	CANINE WHITE MATTER PATHWAYS POTENTIALLY RELATED TO HUMAN LANGUAGE COMPREHENSION	14:00 - 14:00
<i>Speaker:</i> Mélina Cordeau (United States)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Tauopathy and Age-related Research		
PS06-28PM-264	MODELLING SYNAPTIC TAU AND AB PATHOLOGY IN HUMAN ORGANOTYPIC BRAIN SLICE CULTURES	14:00 - 14:00
<i>Speaker:</i> Robert McGeachan (United Kingdom)		
PS06-28PM-265	SYNAPTIC GENE EXPRESSION CHANGES IN FRONTOTEMPORAL DEMENTIA DUE TO THE MAPT 10+16 MUTATION	14:00 - 14:00
<i>Speaker:</i> Tara Spire-Jones (United Kingdom)		
PS06-28PM-266	EXPRESSION OF HUMAN TAU IN ADULT DROSOPHILA MELANOGASTER CAUSES A SEXUALLY DIMORPHIC SLEEP PHENOTYPE	14:00 - 14:00
<i>Speaker:</i> Edmond N Mouofo (United Kingdom)		
PS06-28PM-267	INVESTIGATING FUNCTIONAL CONSEQUENCES OF ASTROCYTE INGESTION OF SYNAPSES IN AN EX VIVO MODEL OF ALZHEIMER'S DISEASE-LIKE SYNAPSE LOSS	14:00 - 14:00
<i>Speaker:</i> Francesco Gobbo (United Kingdom)		
PS06-28PM-268	MODULATION OF RELEASE OF AMYLOID-B IN LIVE HUMAN BRAIN SLICE CULTURES	14:00 - 14:00
<i>Speaker:</i> Soraya Meftah (United Kingdom)		
PS06-28PM-269	WASTEOSOMES (CORPORA AMYLACEA) IN FRONTOTEMPORAL LOBAR DEGENERATION CAN CONTAIN TAU, TDP-43, OR FUS, REFLECTING THE UNDERLYING PROTEINOPATHY	14:00 - 14:00
<i>Speaker:</i> Raquel Alsina (Spain)		
PS06-28PM-270	NEW METHOD TO CHARACTERIZE WASTEOSOMES (CORPORA AMYLACEA) FROM THE HUMAN INTRAVENTRICULAR CEREBROSPINAL FLUID	14:00 - 14:00
<i>Speaker:</i> Marta Riba (Spain)		
PS06-28PM-271	LONGITUDINAL ASSESSMENT OF NEURODEGENERATION IN A MOUSE MODEL OF TAUOPATHY USING MULTIPARAMETRIC MAGNETIC RESONANCE IMAGING	14:00 - 14:00
<i>Speaker:</i> Annacarla Martucci (Italy)		
PS06-28PM-272	ROLE OF THE COILED-COIL STRUCTURE OF HUNTINGTIN IN THE INTERCELLULAR PROPAGATION OF POLY-Q AGGREGATES	14:00 - 14:00
<i>Speaker:</i> Marco Bosica (Italy)		
PS06-28PM-273	SUMO2 CONJUGATION RESCUES SYNAPTIC ABNORMALITIES IN IPSC-DERIVED NEURONS EXPRESSING MUTANT TAU	14:00 - 14:00
<i>Speaker:</i> Andrea Alloni (Italy)		
PS06-28PM-274	INVESTIGATING THE ROLE OF HYPERPHOSPHORYLATED TAU IN BOTH NEURODEGENERATIVE DISEASE AND GLIOBLASTOMA USING ADULT HUMAN ORGANOTYPIC SLICE CULTURES	14:00 - 14:00
<i>Speaker:</i> Connie MacKenzie-Gray Scott (United Kingdom)		
PS06-28PM-275	DETERMINING THE EFFECT OF TROPOMYOSIN DELETION ON TAU PROPAGATION IN MOUSE BRAINS	14:00 - 14:00
<i>Speaker:</i> Soumalya Sarkar (Australia)		
PS06-28PM-276	EXACERBATION OF TAUOPATHY FOLLOWING MILD AND REPEATED SPINAL CONTUSIONS IN THE HTAU^{P301S} MOUSE MODEL	14:00 - 14:00

Speaker: Nicolas Halloin (Belgium)

PS06-28PM-277 **TIME WINDOW FOR EARLY INTERVENTION IN TAUOPATHY
MOUSE MODEL** 14:00 - 14:00

Speaker: Benito Maffei (United Kingdom)

PS06-28PM-278 **EPIGENOMIC PROFILING OF ALZHEIMER'S AND PICK'S DISEASE
AT THE SINGLE-NUCLEUS LEVEL** 14:00 - 14:00

Speaker: Vivek Swarup (United States)

PS06-28PM-279 **MICAL MODULATES TAU TOXICITY VIA CYSTEINE OXIDATION IN
VIVO** 14:00 - 14:00

Speaker: Engie Prifti (Greece)

PS06-28PM-280 **LABEL-FREE SPECTROSCOPIC IMAGING OF EX VIVO
ALZHEIMER'S DISEASE BRAIN FROM AN ANIMAL MODEL OF
TAUOPATHY** 14:00 - 14:00

Speaker: Hao Meng (United Kingdom)

PS06-28PM-281 **MITIGATION OF PATHOLOGICAL TAU ABNORMALITIES BY THE
NATURAL ANTIOXIDANT URIC ACID: COMPARISON WITH DOT, A
NON-ANTIBIOTIC OXYTETRACYCLINE DERIVATIVE** 14:00 - 14:00

Speaker: Patrick Pierre Michel (France)

PS06-28PM-282 **RESOLVING MOLECULAR STRUCTURES IN A-SYNUCLEIN AND
TAU CROSS-SEEDING WITH NOVEL SUPER-RESOLUTION
INFRARED IMAGING** 14:00 - 14:00

Speaker: Xiaoni Zhan (Sweden)

PS06-28PM-283 **IN-VITRO AND PRECLINICAL THERAGNOSTIC STUDIES BASED
ON NOVEL P-TAU MONOCLONAL ANTIBODY FOR TAUOPATHIES** 14:00 - 14:00

Speaker: Marta Aramburu Núñez (Spain)

PS06-28PM-284 **INVOLVEMENT OF TYROSINE KINASE PYK2 IN
SYNAPTOTOXICITY ASSOCIATED WITH ALZHEIMER'S DISEASE: A
PROTEIN AT THE INTERFACE OF AMYLOID AND TAU
PATHOLOGIES** 14:00 - 14:00

Speaker: Quentin RODRIGUEZ (France)

PS06-28PM-285 **COMPREHENSIVE CHARACTERIZATION OF PS19 TAUOPATHY
TRANSGENIC MOUSE MODEL: STUDYING TAU'S ROLE IN
ALZHEIMER'S DISEASE AND PRECLINICAL MODEL SUITABILITY** 14:00 - 14:00

Speaker: Antía Custodia Malvido (Spain)

PS06-28PM-286 **FUNCTIONAL ANALYSIS OF SPONTANEOUS NEURONAL ACTIVITY
IN CORTICAL ORGANIDS AS A MODEL OF HUMAN
TAUOPATHIES** 14:00 - 14:00

Speaker: Karolina Zimkowska (Spain)

PS06-28PM-287 **EARLY TAU PATHOLOGY ACCUMULATION IN POSTMORTEM
DEFAULT MODE NETWORK HUBS** 14:00 - 14:00

Speaker: Betul Kara (United States)

PS06-28PM-288 **BRAIN SLICE DERIVED NERVE FIBERS GROW ALONG
MICROCONTACT PRINTS AND ARE STIMULATED BY BETA-
AMYLOID(42)** 14:00 - 14:00

Speaker: Katharina Steiner (Austria)

PS06-28PM-289 **CORRELATION BETWEEN NEUROPROTECTION IN A TAUOPATHY
ENVIRONMENT FOLLOWING TRAUMA AND DELAYED
ASTROGLIOSIS IN A COHORT STUDY** 14:00 - 14:00

Speaker: Sachin Suresh Tiwari (India)

PS06-28PM-290 **IDENTIFICATION OF TAU UFMYLATION *IN VITRO* AND *IN VIVO*** 14:00 - 14:00

Speaker: Fabienne Fiesel (United States)

PS06-28PM-291	INHIBITION OF LONG-TERM POTENTIATION BY SECRETOMES OF INDUCED PLURIPOTENT STEM CELL-DERIVED DOWN SYNDROME NEURONS: EFFECT OF DIFFERENT ANTI-TAU ANTIBODIES	14:00 - 14:00
<i>Speaker:</i> Igor Klyubin (Ireland)		
PS06-28PM-292	RECOMBINANT VERSUS PATIENT-DERIVED SOLUBLE TAU: DISTINCT EFFECTS OF TAU ANTIBODIES ON DISRUPTION OF SYNAPTIC PLASTICITY <i>IN VIVO</i>	14:00 - 14:00
<i>Speaker:</i> Tomas Ondrejcek (Ireland)		
PS06-28PM-293	NEW FLUORESCENT MOLECULAR PROBES FOR <i>EX VIVO</i> ASSESSMENT OF NEURODEGENERATIVE PROTEIN CONFORMATIONAL PATHOLOGY	14:00 - 14:00
<i>Speaker:</i> Lana Blinc (Slovenia)		
PS06-28PM-294	IMPACT OF THE AT8 EPITOPE PHOSPHORYLATION ON TAU AGGREGATION, PROPAGATION, AND NEUROTOXICITY	14:00 - 14:00
<i>Speaker:</i> Charbel Chahla (France)		
PS06-28PM-295	UNRAVELING THE IMPACT OF TAU ON RETINAL DEVELOPMENT: INSIGHTS FROM HUMAN IPSC-DERIVED MODELS OF FRONTOTEMPORAL DEMENTIA (FTD)	14:00 - 14:00
<i>Speaker:</i> Lorenza Mautone (Italy)		
PS06-28PM-296	SELECTIVE DETECTION OF NEUROFIBRILLARY TANGLES (NFTS) IN IPSC - DERIVED RETINAL CELLS AND POSTMORTEM SAMPLES OF ALZHEIMER'S DISEASE PATIENTS' RETINA BY A NOVEL BODIPY-FLUORESCENT LIGAND	14:00 - 14:00
<i>Speaker:</i> Ylenia Gigante (Italy)		
PS06-28PM-297	PALMITIC ACID INDUCES POSTTRANSLATIONAL MODIFICATIONS OF TAU PROTEIN IN ALZHEIMER'S DISEASE-RELATED EPITOPES AND INCREASES INTRANEURONAL TAU LEVELS	14:00 - 14:00
<i>Speaker:</i> Valeria Melissa García Cruz (Mexico)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Ataxia Research		
PS06-28PM-561	ASSESSMENT OF PURKINJE NEURON DEGENERATION IN THE FLOCCULUS VS. MEDIAL CEREBELLUM IN A MOUSE MODEL OF SPINOCEREBELLAR ATAXIA TYPE 13 (SCA13)	14:00 - 14:00
<i>Speaker:</i> Anna Lena Langen (Germany)		
PS06-28PM-562	CHARACTERIZING SOUND-LOCALIZATION DEFICITS IN A MOUSE MODEL OF SPINOCEREBELLAR ATAXIA TYPE 13 (SCA13)	14:00 - 14:00
<i>Speaker:</i> Conny Kopp-Scheinpflug (Germany)		
PS06-28PM-563	NEURAL CORRELATES OF SOUND-LOCALIZATION DEFICITS ASSOCIATED WITH SPINOCEREBELLAR ATAXIA TYPE 13 (SCA13)	14:00 - 14:00
<i>Speaker:</i> Oskar Markkula (Germany)		
PS06-28PM-564	ALTERATIONS IN ACTIVITY-REGULATED INHIBITOR OF DEATH GENE EXPRESSION IN SPINOCEREBELLAR ATAXIA TYPE 2 AND TYPE 3	14:00 - 14:00
<i>Speaker:</i> Inês Afonso (Portugal)		
PS06-28PM-565	CRISPR-MEDIATED APPROACHES FOR ATXN2 KNOCKDOWN IN SCA2 MODELS OF DISEASE	14:00 - 14:00
<i>Speaker:</i> Rebekah Koppenol (Portugal)		
PS06-28PM-566	MITIGATION OF POLYGLUTAMINE-INDUCED TOXICITY THROUGH DEPLETION OF TRMT2A IN AN MJD/SCA3 MOUSE MODEL	14:00 - 14:00

Speaker: Tiago Gomes (Portugal)

PS06-28PM-567 **STRESS GRANULES: HOW THEY IMPACT SPINOCEREBELLAR ATAXIA TYPE 2?** 14:00 - 14:00

Speaker: André Conceição (Portugal)

PS06-28PM-568 **MECHANISMS OF SPINOCEREBELLAR ATAXIA TYPE 2 PATHOGENESIS: INSIGHTS FROM SMALL EXTRACELLULAR VESICLES** 14:00 - 14:00

Speaker: Rafael Costa (Portugal)

PS06-28PM-569 **MTSS1 AS A POTENTIAL PKC δ MOLECULAR TARGET DURING PURKINJE CELL DEVELOPMENT IN A SPINOCEREBELLAR ATAXIA 14-MOUSE MODEL** 14:00 - 14:00

Speaker: Paula Torrents Solé (Switzerland)

PS06-28PM-570 **THE ROLE OF PROTEIN KINASE C GAMMA IN PURKINJE CELL DENDRITIC DEVELOPMENT AND SYNAPSE FORMATION** 14:00 - 14:00

Speaker: Zsofia Sziber (Switzerland)

PS06-28PM-571 **EVALUATION OF A POTENTIAL ROLE OF PAQR7 (MPRA) FOR PURKINJE CELL DENDRITIC DEVELOPMENT** 14:00 - 14:00

Speaker: Anna Alikhanbeigi (Switzerland)

PS06-28PM-572 **NMDAR-TRPM4 COUPLING DRIVES NEUROTOXICITY AND DISEASE PROGRESSION IN MODELS OF SPINOCEREBELLAR ATAXIAS** 14:00 - 14:00

Speaker: David Brito (Portugal)

PS06-28PM-573 **CHRONIC OTOTOXICITY INDUCES DOWNREGULATION OF HAIR CELL-SPECIFIC GENES IN THE VESTIBULAR SENSORY EPITHELIUM OF RODENTS** 14:00 - 14:00

Speaker: Jordi Llorens (Spain)

PS06-28PM-574 **POSTMORTEM CEREBELLAR VOLUME IS NOT REDUCED IN ESSENTIAL TREMOR: A COMPARISON WITH MULTIPLE SYSTEM ATROPHY AND CONTROLS** 14:00 - 14:00

Speaker: Nathaniel Dunckley (United States)

PS06-28PM-575 **TOTTERING MICE DISPLAY IRREGULAR FIRING OF PURKINJE NEURONS AND IMPAIRED MOTOR PERFORMANCE** 14:00 - 14:00

Speaker: Filip de Souza Polli (Denmark)

PS06-28PM-576 **GAL3 SUPPRESSION DELAYS THE MOTOR COORDINATION LOSS IN THE ATAXIC *TAMBALEANTE* MOUSE MODEL** 14:00 - 14:00

Speaker: Rocío Ruiz (Spain)

PS06-28PM-577 **STEREOLOGICAL EXPLORATION OF RETINAL MORPHOLOGY IN SIX-MONTH-OLD MICE WITH SPINOCEREBELLAR ATAXIA TYPE 1** 14:00 - 14:00

Speaker: Olena Yakushko (Czech Republic)

PS06-28PM-578 **CEREBELLAR PURKINJE CELLS CONTROL MOVEMENT AND THEIR DEGENERATION CAUSES SPECIFIC GAITING DEFECTS** 14:00 - 14:00

Speaker: Laurens Bosman (Netherlands)

PS06-28PM-579 **SIMPLE MATHEMATICAL MODEL FOR REPLICATE THE ATP INDUCED CA²⁺ TRANSIENTS IN DIFFERENT TYPES OF COCHLEAR SUPPORTING CELLS** 14:00 - 14:00

Speaker: Eszter Berekméri (Hungary)

PS06-28PM-580 **CYP2C19 IN THE DEVELOPING BRAIN OF TRANSGENIC HUMANIZED KNOCK-IN MOUSE CAUSES MORPHOLOGICAL CHANGES IN THE CEREBELLUM, INCLUDING 11.8% ATROPHY** 14:00 - 14:00

Speaker: Andrea Atanasov (Serbia)

PS06-28PM-581 **MATHEMATICAL MODELLING OF ATP INDUCED CA²⁺** 14:00 - 14:00

	TRANSIENTS IN DEITERS CELLS CONSIDERING THE TONOTOPIC AXIS	
	<i>Speaker:</i> Fruzsina Fazekas (Hungary)	
PS06-28PM-582	NETSSEQ ENHANCES THE UNDERSTANDING OF CEREBELLAR TRANSCRIPTOMIC CHANGES IN ATAXIA-TELANGIECTASIA	14:00 - 14:00
	<i>Speaker:</i> Jenna Harvey (United Kingdom)	
PS06-28PM-583	PURKINJE CELL VULNERABILITY DEPENDS ON ZEBRIN MOLECULAR IDENTITY AND CEREBELLAR LOCATION IN A CHRISTIANSON SYNDROME MOUSE MODEL	14:00 - 14:00
	<i>Speaker:</i> Julia Tourbina-Kolomiets (Canada)	
PS06-28PM-584	MITOCHONDRIAL DYSFUNCTION AND PURKINJE CELL LOSS IN CHRISTIANSON SYNDROME	14:00 - 14:00
	<i>Speaker:</i> Atchaya S Kanagasabai (Canada)	
PS06-28PM-585	CLINICAL AND MOLECULAR CHARACTERIZATION OF ATP1A1-RELATED CHARCOT-MARIE-TOOTH DISEASE	14:00 - 14:00
	<i>Speaker:</i> Cheng-Tsung Hsiao (Taiwan)	
PS06-28PM-586	ROLE OF CEREBELLAR NETWORK EXCITABILITY AND PLASTICITY IN THE PATHOPHYSIOLOGY OF DYSTONIA	14:00 - 14:00
	<i>Speaker:</i> Francesco Mainardi (Italy)	
PS06-28PM-587	A LOSS OF SPIRAL GANGLION NEURONS WITH AN ACTIVE ATOH1 ENHANCER ALTERS HEARING FUNCTION	14:00 - 14:00
	<i>Speaker:</i> Kateryna Pysanenko (Czech Republic)	
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - GABA and Glycine Receptors		
PS06-28PM-353	SUB-TOXIC DOSES OF GLYPHOSATE IMPAIR GABAERGIC SYNAPSES IN CULTURED HIPPOCAMPAL NEURONS	14:00 - 14:00
	<i>Speaker:</i> Giuseppe Chiantia (Italy)	
PS06-28PM-354	EFFECT OF GLYPHOSATE AT ACCEPTABLE DAILY INTAKE DOSE ON ASTROCYTES-NEURONS COMMUNICATION	14:00 - 14:00
	<i>Speaker:</i> Debora Comai (Italy)	
PS06-28PM-355	ROLE OF GLYCINE RECEPTORS IN THE STRIATAL NETWORK	14:00 - 14:00
	<i>Speaker:</i> Neha Prasanna (Belgium)	
PS06-28PM-356	GLYCINE MODULATES THE EXCITABILITY OF MEDIUM SPINY NEURONS IN THE NUCLEUS ACCUMBENS THROUGH GPR158 ACTIVATION	14:00 - 14:00
	<i>Speaker:</i> Marcello D'Ascenzo (Italy)	
PS06-28PM-357	REDUCING GABA_A RECEPTORS ACTIVATION THROUGH BICUCULINE TREATMENT IMPROVES NEUROINFLAMMATION IN CEREBELLUM OF HYPERAMMONEMIC RATS	14:00 - 14:00
	<i>Speaker:</i> Andrea Palomares Rodriguez (Spain)	
PS06-28PM-358	GABA_B RECEPTORS INDUCE PHASIC RELEASE FROM MEDIAL HABENULA TERMINALS THROUGH ACTIVITY-DEPENDENT RECRUITMENT OF RELEASE-READY VESICLES	14:00 - 14:00
	<i>Speaker:</i> Peter Koppensteiner (Austria)	
PS06-28PM-359	CELLULAR MECHANISMS AND EFFICACY OF HM4DI-DEPENDENT CHEMOGENETIC SILENCING IN THE DEVELOPING HIPPOCAMPUS	14:00 - 14:00
	<i>Speaker:</i> Arash Samiee (Germany)	
PS06-28PM-360	IN VITRO PHARMACOLOGICAL CHARACTERIZATION OF LIGANDS	14:00 - 14:00

**OF THE GROWTH HORMONE SECRETAGOGUE RECEPTOR (GHSR)
USING THE DYNAMIC MASS REDISTRIBUTION AND CALCIUM
MOBILIZATION ASSAYS**

Speaker: Chiara Ruzza (Italy)

PS06-28PM-361 **PRESYNAPTIC MECHANISMS UNDERLYING GABA_B RECEPTOR-MEDIATED HETEROSYNAPTIC DEPRESSION AT HIPPOCAMPAL MOSSY FIBER BOUTON TO CA3 PYRAMIDAL NEURON SYNAPSES** 14:00 - 14:00

Speaker: Peipeng Lin (Austria)

PS06-28PM-362 **ROLE OF A5-GABA_A RECEPTORS FOR SPONTANEOUS NETWORK ACTIVITY IN THE DEVELOPING HIPPOCAMPUS** 14:00 - 14:00

Speaker: Lissy Liebeskind (Germany)

PS06-28PM-363 **AUTOCRINE AND PARACRINE ACTION OF SOMATOSTATIN RELEASED BY O-LM INTERNEURONS ON THE CA1 FEEDBACK CIRCUIT** 14:00 - 14:00

Speaker: Maria Laura Musella (France)

PS06-28PM-364 **PROBES FOR THE HETEROGENEITY OF MUSCIMOL BINDING SITES IN RAT BRAIN** 14:00 - 14:00

Speaker: Petra Scholze (Austria)

PS06-28PM-365 **AUXILIARY GABAB RECEPTOR SUBUNIT KCTD16 ROLE IN NOCICEPTIVE SYNAPTIC TRANSMISSION** 14:00 - 14:00

Speaker: Jiri Palecek (Czech Republic)

PS06-28PM-366 **INSIGHTS INTO THE PHARMACOLOGICAL EFFECTS OF A NOVEL COMPOUND ON GLYCINE RECEPTOR FUNCTION** 14:00 - 14:00

Speaker: César O. Lara Sanhueza (Chile)

PS06-28PM-367 **INVESTIGATION OF GABA TRANSPORT AND THE GABA/NA⁺ RELATIONSHIP IN HUMAN GAT1 USING SOLID-SUPPORTED MEMBRANE-BASED ELECTROPHYSIOLOGY** 14:00 - 14:00

Speaker: Elena Dragicevic (Germany)

PS06-28PM-369 **SUBCELLULAR LOCALIZATION OF GLYRA2 IN SPINY PROJECTION NEURONS** 14:00 - 14:00

Speaker: Yana Vella (Belgium)

PS06-28PM-370 **ROLE OF GLUK1-CONTAINING KAINATE RECEPTORS IN THE DEVELOPMENT OF CORTICO-STRIATAL PROJECTIONS** 14:00 - 14:00

Speaker: Margarita Komarova (Finland)

PS06-28PM-371 **PHOTOPHARMACOLOGICAL CONTROL OF GABAERGIC NEUROTRANSMISSION** 14:00 - 14:00

Speaker: Galyna Malieieva (Spain)

PS06-28PM-372 **GLYCINE RECEPTORS REGULATE STRIATAL CHOLINERGIC INTERNEURONS AND DOPAMINE RELEASE** 14:00 - 14:00

Speaker: Simon Bossi (United Kingdom)

PS06-28PM-373 **ANTI-PRURITIC EFFECT OF ENDOGENOUSLY INCREASED GABA BY BLOCKADE OF GAT1 IN A MOUSE MODEL OF CHRONIC ITCH** 14:00 - 14:00

Speaker: Mitsuo Tanabe (Japan)

PS06-28PM-374 **CHARACTERISATION OF MONOAMINE G-PROTEIN COUPLED RECEPTORS IN *OCTOPUS VULGARIS*** 14:00 - 14:00

Speaker: Anna Jansson (United Kingdom)

PS06-28PM-375 **GABA RDL RECEPTORS AS TARGETS FOR NOVEL NEGATIVE ALLOSTERIC MODULATORS WITH PORE-BLOCKING POTENTIAL** 14:00 - 14:00

Speaker: Carlos F. Burgos (Chile)

PS06-28PM-376 **THE ALANINE-SERINE-CYSTEINE-1 TRANSPORTER (ASC1) PROVIDES GLYCINE AT FAST INHIBITORY AUDITORY** 14:00 - 14:00

BRAINSTEM SYNAPSES*Speaker:* Lina Hofmann (Germany)

PS06-28PM-377 **AN INNOVATIVE STRATEGY TO IDENTIFY NEW CHEMICAL CLASSES OF GABA_A A5 RECEPTOR MODULATORS** 14:00 - 14:00

Speaker: Nadia von Schoubye (Germany)

PS06-28PM-378 **BERGMANN GLIA SUPPRESS PURKINJE CELL FIRING VIA INTERNEURONS** 14:00 - 14:00

Speaker: Jaegeon Lee (Korea, Republic of)

PS06-28PM-379 **GABA_A RECEPTORS AND NEUROLIGIN 2 SYNERGIZE TO PROMOTE SYNAPTIC ADHESION AND INHIBITORY SYNAPTOGENESIS** 14:00 - 14:00

Speaker: Jasmina Jovanovic (United Kingdom)

PS06-28PM-380 **INHIBITORY BRAIN DYNAMICS FOR ADAPTIVE BEHAVIOUR: THE ROLE OF GABAERGIC NEUROTRANSMISSION IN ORIENTATION DISCRIMINATION BASED VISUAL PERCEPTUAL LEARNING** 14:00 - 14:00

Speaker: Matthew Bailey (United Kingdom)

PS06-28PM-381 **EXPRESSION ANALYSIS OF THE GLYCINE RECEPTOR SUBUNIT ALPHA 3 IN PROJECTION NEURONS ACROSS BRAIN REGIONS** 14:00 - 14:00

Speaker: Kajsa Magnusson (Sweden)

PS06-28PM-382 **GABAA RECEPTORS MODULATE ANXIETY-LIKE BEHAVIOR THROUGH THE CENTRAL AMYGDALA AREA IN RATS WITH HIGHER PHYSICAL ACTIVITY** 14:00 - 14:00

Speaker: Zahra Sudani (Iran)

PS06-28PM-383 **GROUP I METABOTROPIC GLUTAMATE RECEPTOR-MEDIATED MODULATION OF MONO- AND DISYNAPTIC TRANSMISSION IN THE HUMAN NEOCORTEX** 14:00 - 14:00

Speaker: Joanna Sandle (Hungary)

PS06-28PM-384 **INVESTIGATION OF NEUROMODULATOR RECEPTORS ENDOCYTOSIS WITH THE PULSED PH ASSAY** 14:00 - 14:00

Speaker: Silvia Sposini (France)

PS06-28PM-385 **A NOVEL FORM OF ENDOCANNABINOID-MEDIATED PLASTICITY OF TONIC GABA INHIBITION** 14:00 - 14:00

Speaker: Roberto Colangeli (Italy)

PS06-28PM-386 **TARGETING CEREBELLAR, ALPHA6- CONTAINING GABA-A RECEPTORS WITH NOVEL COMPOUNDS BASED ON COMPUTATIONAL PHARMACOPHORE SCREENING AS POTENTIAL THERAPY FOR ESSENTIAL TREMOR** 14:00 - 14:00

Speaker: Elena Battaglin (Austria)

PS06-28PM-387 **FUNCTIONAL EXPRESSION OF INHIBITORY GLYCINERGIC NEUROTRANSMISSION ONTO SOMATOSTATIN POSITIVE NEURONS IN THE VENTRAL PALLIDUM** 14:00 - 14:00

Speaker: Alejandro Alcaino (Chile)

PS06-28PM-388 **IS GABA A SUBSTRATE FOR THE VESICULAR MONOAMINE TRANSPORTER VMAT2?** 14:00 - 14:00

Speaker: Fabian Limani (Austria)

PS06-28PM-368 **STRUCTURAL AND FUNCTIONAL ANALYSIS OF ASTROCYTIC GABA TRANSPORTER GAT3 AS A THERAPEUTIC TARGET** 14:00 - 14:00

Speaker: Hanife Dilvin Yildirim (Turkey)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 06 - Neural Oscillations and Cognitive Function

PS06-28PM-181	CLOSED-LOOP PHASE-DEPENDENT OPTOGENETIC MODULATION OF MOTOR CORTICAL THETA OSCILLATIONS	14:00 - 14:00
<i>Speaker:</i> Jessica Myatt (United Kingdom)		
PS06-28PM-182	GLOBAL NEURONAL POPULATION DYNAMICS REFLECT ACTION-MEDIATED REWARD EXPECTATION	14:00 - 14:00
<i>Speaker:</i> Yangfan Peng (United Kingdom)		
PS06-28PM-183	HIERARCHICAL ENCODING OF REWARD, EFFORT AND CHOICE ACROSS THE FRONTAL CORTEX AND BASAL GANGLIA DURING COST-BENEFIT DECISION MAKING	14:00 - 14:00
<i>Speaker:</i> Oliver Haermson (United Kingdom)		
PS06-28PM-184	THETA-LOCKED FORNIX STIMULATION MODULATES THE POWER AND FREQUENCY OF THETA OSCILLATIONS IN THE HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Brook Perry (United Kingdom)		
PS06-28PM-185	THETA-LOCKED FORNIX DBS MODULATES THE SYNCHRONICITY OF SINGLE UNITS IN THE HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Isaac Grennan (United Kingdom)		
PS06-28PM-186	LARGE-SCALE CIRCUIT DISSECTION OF SCHIZOPHRENIA USING A RARE VARIANT MOUSE MODEL	14:00 - 14:00
<i>Speaker:</i> Jeff Stedehouder (United Kingdom)		
PS06-28PM-187	MULTI-TIMESCALE CORTICAL FUNCTIONAL CONNECTIVITY ACROSS BRAIN STATES	14:00 - 14:00
<i>Speaker:</i> Friederike Axmann (Germany)		
PS06-28PM-188	CAUSAL INTERACTIONS BETWEEN MULTISITE PHASE- AND AMPLITUDE-COUPLING IN CORTICAL NETWORKS	14:00 - 14:00
<i>Speaker:</i> Edgar E. Galindo-Leon (Germany)		
PS06-28PM-189	PREDICTING TIME ACROSS AGES: COMPARING PERFORMANCE OF YOUNGER AND OLDER ADULTS IN A TEMPORAL PREDICTION TASK	14:00 - 14:00
<i>Speaker:</i> Marleen J. Schoenfeld (Germany)		
PS06-28PM-190	QUANTIFYING THE DYNAMICS OF AMPLITUDE- AND PHASE-COUPLING IN THE HUMAN BRAIN	14:00 - 14:00
<i>Speaker:</i> Marcus Siems (Germany)		
PS06-28PM-191	MESOSCALE SYNERGY AND REDUNDANCY IN FERRET SENSORY CORTICES DURING AN AUDIOVISUAL TASK	14:00 - 14:00
<i>Speaker:</i> Loren Kocillari (Italy)		
PS06-28PM-192	ON THE RELATIONSHIP BETWEEN ATTENTION, GAMMA-FREQUENCY AND INTER-AREAL SYNCHRONY IN MACAQUE'S VISUAL AREAS V1 AND V4	14:00 - 14:00
<i>Speaker:</i> Esperanza Domingo Gil (Germany)		
PS06-28PM-193	TIME-SHIFT DEPENDENT ANALYSIS OF GAMMA PHASE COHERENCE BETWEEN MACAQUE VISUAL AREAS V1 AND V4	14:00 - 14:00
<i>Speaker:</i> Valeriya Zelenkova (Germany)		
PS06-28PM-194	EFFECTIVITY OF INFORMATION ROUTING BETWEEN SUPRAGRANULAR AND GRANULAR NEURONS IN MACAQUE'S AREA V1 DEPENDS ON PHASE RELATIONS OF THEIR GAMMA-OSCILLATORY ACTIVITY	14:00 - 14:00
<i>Speaker:</i> Eric Drebitz (Germany)		
PS06-28PM-195	NEUROPHYSIOLOGICAL EFFECTIVE NETWORK CONNECTIVITIES DETERMINE A THRESHOLD-DEPENDENT MANAGEMENT OF WORKING MEMORY GATING	14:00 - 14:00
<i>Speaker:</i> Julia Elmers (Germany)		

PS06-28PM-196	ENDOGENOUS AND EXOGENOUS BRAIN FLUCTUATIONS INDUCE AND BLOCK ALPHA ACTIVITY	14:00 - 14:00
<i>Speaker:</i> Axel Hutt (France)		
PS06-28PM-197	A SHARED NEURAL CODE FOR FLEXIBLE SHIFTS IN ATTENTION, MOTOR ACTIONS, AND GOAL SETTING? THE ROLE OF THETA AND ALPHA OSCILLATIONS FOR HUMAN FLEXIBILITY	14:00 - 14:00
<i>Speaker:</i> Jakob Kaiser (Germany)		
PS06-28PM-198	CHANGES IN FREQUENCY AND AMPLITUDE OF HIPPOCAMPAL THETA MODULATE FIRING ACROSS NEURONS WITH RESPECT TO BEHAVIOURAL CONTEXT	14:00 - 14:00
<i>Speaker:</i> Laura Masaracchia (Denmark)		
PS06-28PM-199	BROADBAND HIGH-FREQUENCY ACTIVITY INDICATES BRAIN STATE CHANGES IN HUMAN VISUAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Paul Schmid (Germany)		
PS06-28PM-200	TEMPORAL FREQUENCY TUNING OF GAMMA OSCILLATIONS VARIES DIFFERENTLY WITH STIMULUS CONTRAST AND SIZE IN MACAQUE V1	14:00 - 14:00
<i>Speaker:</i> Surya S Prakash (India)		
PS06-28PM-201	EFFECTIVE CONNECTIVITY IN THETA NETWORKS SUPPORTS ACTION-EFFECT INTEGRATION	14:00 - 14:00
<i>Speaker:</i> Jasmin Mayer (Germany)		
PS06-28PM-202	CONTEXT-DEPENDENT GAMMA-BAND SYNCHRONY BETWEEN SENSORY AND DECISION-RELATED CORTEX DURING FLEXIBLE DECISION MAKING	14:00 - 14:00
<i>Speaker:</i> Yuki Suda (Japan)		
PS06-28PM-203	THE ROLE OF THETA-GAMMA COUPLING IN THE RELATIONSHIP BETWEEN MOTOR TIMING AND COGNITIVE FUNCTION	14:00 - 14:00
<i>Speaker:</i> Jee Seon Ahn (Korea, Republic of)		
PS06-28PM-204	CONTEXT-DEPENDENT INTERAREAL SYNCHRONIZATION ACROSS MOUSE VISUAL CORTEX	14:00 - 14:00
<i>Speaker:</i> Chockalingam Ramanathan (Germany)		
PS06-28PM-205	FLEXIBLE THALAMOCORTICAL ENCODING BY DISCRETE GAMMA EVENTS	14:00 - 14:00
<i>Speaker:</i> Quentin Perrenoud (United States)		
PS06-28PM-206	GOAL-DIRECTED ALPHA POWER ACTIVELY FILTERS INITIAL AFFERENT ACTIVITY IN EARLY VISUAL CORTICES	14:00 - 14:00
<i>Speaker:</i> Chen Li (United States)		
PS06-28PM-207	STIMULUS-INDUCED GAMMA IS STRONGER AND CO-EXISTS WITH STIMULUS-FREE GAMMA IN LONG-TERM OPEN-EYED MEDITATORS	14:00 - 14:00
<i>Speaker:</i> Ankan Biswas (India)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Advancements in Neural Technologies		
PS06-28PM-419	MONTHS-LONG TRACKING OF NEURONAL ENSEMBLES SPANNING MULTIPLE BRAIN AREAS WITH ULTRA-FLEXIBLE TENTACLE ELECTRODES (UFTES)	14:00 - 14:00
<i>Speaker:</i> Tansel Baran Yasar (Switzerland)		
PS06-28PM-420	MRI-VISIBLE SUPERPARAMAGNETIC ULTRAFLEXIBLE ELECTRODES FOR PRECISION ELECTROPHYSIOLOGY	14:00 - 14:00
<i>Speaker:</i> Eminhan Ozil (Switzerland)		

PS06-28PM-421	DYNAMICS OF FOCALLY HYPERCONCENTRATED DRUG RELEASE FOR NON-INVASIVE CORTICAL CIRCUIT MANIPULATION	14:00 - 14:00
<i>Speaker:</i> Gizem Aydemir (Switzerland)		
PS06-28PM-422	OPTIMIZING ULTRAFLEXIBLE ELECTRODES MICROSTIMULATION PARAMETERS FOR INDUCING LOCALIZED NEURONAL ACTIVATION IN MOUSE V1	14:00 - 14:00
<i>Speaker:</i> Matthieu Provansal (Netherlands)		
PS06-28PM-423	INVESTIGATING DESIGN PARAMETERS FOR IMPROVED TISSUE INTEGRATION IN BRAIN-COMPUTER-INTERFACE TECHNOLOGY	14:00 - 14:00
<i>Speaker:</i> Corinne Orlemann (Netherlands)		
PS06-28PM-424	THE IMPORTANCE OF HIGH-DENSITY MICROELECTRODE ARRAYS FOR [FM1] RECORDING MULTI-SCALE EXTRACELLULAR POTENTIAL AND LABEL-FREE CHARACTERIZATION OF NETWORK DYNAMICS IN IPSC-DERIVED NEURONS	14:00 - 14:00
<i>Speaker:</i> Zhuoliang (Ed) Li (Switzerland)		
PS06-28PM-425	ECOG-BASED FUNCTIONAL MAPPING OF THE MOTOR CORTEX IN RHESUS MONKEYS	14:00 - 14:00
<i>Speaker:</i> Eunha Baeg (Korea, Republic of)		
PS06-28PM-426	A INNOVATIVE APPROACH FOR CONDUCTING 3D ELECTROPHYSIOLOGICAL RECORDINGS WITHIN INTACT BRAIN ORGANOID	14:00 - 14:00
<i>Speaker:</i> Julio Alvarez (Germany)		
PS06-28PM-427	INVESTIGATING INFORMATION TRANSFER AT THE SINGLE-CELL LEVEL USING ULTRA LOW-DENSITY NEURONAL NETWORKS	14:00 - 14:00
<i>Speaker:</i> Giulia Amos (Switzerland)		
PS06-28PM-428	FLEXIBLE, ULTRA-LONG POLYMER-BASED NEURAL PROBES FOR DEEP BRAIN RECORDING AND STIMULATION ASSEMBLED USING THERMOCOMPRESSSION BONDING	14:00 - 14:00
<i>Speaker:</i> Csaba Horváth (Hungary)		
PS06-28PM-429	A HIGH-THROUGHPUT SINGLE-CELL STIMULATION PLATFORM TO STUDY PLASTICITY IN ENGINEERED NEURAL NETWORKS IN VITRO	14:00 - 14:00
<i>Speaker:</i> Benedikt Maurer (Switzerland)		
PS06-28PM-430	A THREE-DIMENSIONAL LAMINAR ELECTRODE ARRAY FOR SEMI-CHRONIC NEURAL RECORDINGS IN HUMAN CORTEX	14:00 - 14:00
<i>Speaker:</i> Robert Averkin (Hungary)		
PS06-28PM-431	A NOVEL PLATFORM TO EMBODY AND MAINTAIN <i>IN VITRO</i> NEURONS IN SIMULATED ENVIRONMENTS THROUGH REAL-TIME CLOSED-LOOP ELECTROPHYSIOLOGICAL RECORDING AND STIMULATION	14:00 - 14:00
<i>Speaker:</i> Brett Kagan (Australia)		
PS06-28PM-432	ADVANCING LONG-TERM VIABILITY OF NEURO-IMPLANTS THROUGH QUALITY-BASED EVALUATION	14:00 - 14:00
<i>Speaker:</i> Charlotte Sielaff (Germany)		
PS06-28PM-433	INTEGRATION OF ELECTRIC CIRCUITS INTO TAILOR-MADE 3D NANOPRINTED MICROSCAFFOLDS FOR NEURONAL NETWORK CULTIVATION	14:00 - 14:00
<i>Speaker:</i> Malte Siegmund (Germany)		
PS06-28PM-434	AN EVENT-BASED DATA COMPRESSIVE TELEMETRY FOR HIGH-BANDWIDTH INTRACORTICAL BRAIN-COMPUTER INTERFACES	14:00 - 14:00
<i>Speaker:</i> Hua-Peng Liaw (Netherlands)		
PS06-28PM-435	NEXT-GENERATION ELECTROPHYSIOLOGY FOR FUNCTIONAL	14:00 - 14:00

CHARACTERIZATION OF HUMAN NEURAL ORGANIDS*Speaker:* Laura D'ignazio (Switzerland)

PS06-28PM-436 **OPTIMIZATION OF A MULTIPLEXED, CELL-BASED ASSAY OF NEURONAL FUNCTION** 14:00 - 14:00

Speaker: Johnny Pires (Netherlands)

PS06-28PM-437 **EXPLORING SIGNAL PROCESSING COMPARTMENTALIZATION IN THE CEREBELLAR CIRCUIT USING A HIGH-DENSITY MULTIELECTRODE ARRAY** 14:00 - 14:00

Speaker: Yuhe Li (Italy)

PS06-28PM-439 **BRIDGING IN VIVO AND IN VITRO RECORDINGS IN THE HUMAN EPILEPTIC NEOCORTEX: PATIENT-WISE COMPARATIVE ANALYSIS OF SINGLE-UNIT ACTIVITIES** 14:00 - 14:00

Speaker: Réka Bod (Hungary)

PS06-28PM-440 **DYNAMICS IN HUMAN CORTICAL CULTURES: A NEW ERA FOR INDIVIDUALS WITH EPILEPSY?** 14:00 - 14:00

Speaker: Christopher Currin (Austria)

PS06-28PM-441 **MINIMALLY INVASIVE IN-VIVO INTRALUMINAL ELECTROPHYSIOLOGICAL RECORDINGS FROM THE MOUSE COLON** 14:00 - 14:00

Speaker: Aleksander Sobolewski (Switzerland)

PS06-28PM-442 **SCIENTIFICA PATCHSCOPE PRO: AN INTEGRATED CALCIUM-IMAGING AND PATCH-CLAMP SYSTEM SUITABLE FOR SELECTING SPECIFIC SUBSETS OF NEURONS FOR ELECTROPHYSIOLOGICAL RECORDINGS** 14:00 - 14:00

Speaker: Federico Olivero (United Kingdom)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 06 - Late-Breaking Abstracts

PS06-28PM-594 **ACTION-OUTCOME BASED FLEXIBLE BEHAVIOR REQUIRES MEDIAL PREFRONTAL CORTEX LEAD AND ITS ENHANCED FUNCTIONAL CONNECTIVITY WITH DORSOMEDIAL STRIATUM** 14:00 - 14:00

Speaker: Jian Gan (United Kingdom)

PS06-28PM-595 **SPECIFIC BASAL FOREBRAIN CHOLINERGIC INPUTS TO THE VENTRAL PREFRONTAL CORTEX MODULATE ATTENTION** 14:00 - 14:00

Speaker: Giulia Fois (France)

PS06-28PM-596 **INHIBITORY MECHANISMS IN THE DORSAL ANTERIOR CINGULATE CORTEX DIFFERENTIALLY MEDIATE PUTAMEN ACTIVITY DURING APPETITIVE AND AVERSIVE VALENCE-BASED LEARNING** 14:00 - 14:00

Speaker: Tal Finkelman (Israel)

PS06-28PM-597 **PROJECTIONS FROM THE MEDIAL PREFRONTAL CORTEX TO THE VENTRAL MIDLINE THALAMUS ARE CRUCIAL FOR COGNITIVE FLEXIBILITY IN RATS** 14:00 - 14:00

Speaker: Elodie Panzer (France)

PS06-28PM-598 **EFFECTS OF MEDIAL PREFRONTAL CORTICAL NEURONS PROJECTING TO THE MEDIAL PREOPTIC AREA ON THE SOCIAL BEHAVIOUR OF RATS** 14:00 - 14:00

Speaker: Luca Darai (Hungary)

PS06-28PM-599 **LATERAL SEPTAL CALBINDIN NEURONS REGULATE MATERNAL BEHAVIOUR** 14:00 - 14:00

Speaker: Vivien Szendi (Hungary)

PS06-28PM-600	FLEXIBLE BEHAVIOR IS ASSOCIATED WITH STRONGER INPUTS FROM THE MEDIODORSAL THALAMUS TO THE ORBITOFRONTAL CORTEX	14:00 - 14:00
	<i>Speaker:</i> Sarah Chevalier (France)	
PS06-28PM-601	EXPLORING THE CORTICAL CONTROL OF THE MEDIAN RAPHE DURING THREAT AVOIDANCE	14:00 - 14:00
	<i>Speaker:</i> Flóra Vásárhelyi-Nagy (Hungary)	
PS06-28PM-602	NORADRENERGIC MODULATION OF STRESS INDUCED CATECHOLAMINE RELEASE OPTIMIZES MOTIVATED DECISION-MAKING BEHAVIOR	14:00 - 14:00
	<i>Speaker:</i> Vladimir Visocky (United States)	
PS06-28PM-603	PRE- AND POST-TREATMENT WITH APIGENIN ATTENUATES STATUS EPILEPTICUS-INDUCED NEURONAL DEATH BY REDUCING OXIDATIVE STRESS AND INFLAMMATION IN THE MOUSE BRAIN	14:00 - 14:00
	<i>Speaker:</i> Latifa Bulbul (Bangladesh)	
PS06-28PM-604	ROLE OF CRF SIGNALLING IN THE LATERAL SEPTUM SYSTEM IN THE REGULATION OF SOCIAL FEAR EXTINCTION	14:00 - 14:00
	<i>Speaker:</i> Atefeh Akbari (Germany)	
PS06-28PM-605	MATERNALLY ACTIVATED CONNECTIONS OF THE VENTRAL LATERAL SEPTUM REVEAL INPUT FROM THE POSTERIOR INTRALAMINAR THALAMUS	14:00 - 14:00
	<i>Speaker:</i> Gina Puska (Hungary)	
PS06-28PM-606	A NEUROCOMPUTATIONAL DISSOCIATION OF HOW INTRINSIC AND EXTRINSIC MOTIVATION IMPROVE MEMORIZATION PERFORMANCE	14:00 - 14:00
	<i>Speaker:</i> Jade Seguin (France)	
PS06-28PM-607	BAYESIAN CAUSAL INFERENCE PREDICTS CENTER-SURROUND INTERACTIONS IN THE MIDDLE TEMPORAL VISUAL AREA (MT)	14:00 - 14:00
	<i>Speaker:</i> Gabor Lengyel (United States)	
PS06-28PM-608	ELECTRICAL MICROSTIMULATION OF NON-HUMAN PRIMATE MEDIODORSAL THALAMUS DURING FUNCTIONAL NEUROIMAGING IMPACTS DORSAL ANTERIOR CINGULATE CORTEX	14:00 - 14:00
	<i>Speaker:</i> Anna Mitchell (New Zealand)	
PS06-28PM-609	REELIN MODULATES ACETYLCHOLINE-INDUCED CALCIUM SIGNALS AND POSTTRANSLATIONAL PROTEIN MODIFICATIONS	14:00 - 14:00
	<i>Speaker:</i> Marie-Luise Kümmel (Germany)	
PS06-28PM-610	A SANDWICH OF GLIOBLASTOMA CELLS AND A BRAIN TISSUE SLICE: AN IN VITRO MODEL TO EXPLORE INTERACTIONS OF TUMOUR CELLS WITH NEURAL TISSUE	14:00 - 14:00
	<i>Speaker:</i> Maurice Meseke (Germany)	
PS06-28PM-611	NEURONAL IDENTITY AND NUMBERS IN THE DEVELOPMENT OF NEOCORTICAL ACTIVITY	14:00 - 14:00
	<i>Speaker:</i> Ioana Genescu (United Kingdom)	
PS06-28PM-612	SELF-ORGANIZING PRINCIPLES ARE INSUFFICIENT FOR CORTICAL NEURAL STEM CELL LINEAGE PROGRESSION	14:00 - 14:00
	<i>Speaker:</i> Melissa Stouffer (Austria)	
PS06-28PM-613	REGULATION OF INHIBITORY SYNAPSE FORMATION THROUGH ACTIVITY-DEPENDENT EXPRESSION OF FEZF2	14:00 - 14:00
	<i>Speaker:</i> Tim Kroon (United Kingdom)	
PS06-28PM-614	ROLE OF EARLY ELECTRICAL ACTIVITY IN REGULATING	14:00 - 14:00

NEUROEPITHELIAL PROGENITORS*Speaker:* Lei Ren (France)

PS06-28PM-615 **TRANSCRIPTOMIC AND SUBLAMINAR DYNAMICS OF THE DEVELOPING HUMAN FRONTAL CORTEX: A NOVEL APPROACH** 14:00 - 14:00

Speaker: Zeljka Krsnik (Croatia)

PS06-28PM-616 **A MOSAIC MTOR CORTICAL ORGANOID MODEL FOR FOCAL CORTICAL DYSPLASIA TYPE II (FCDII)** 14:00 - 14:00

Speaker: Ann-Sofie De Meulemeester (France)

PS06-28PM-617 **CASE REPORT: ASSESSMENT OF PROGENITOR AND NEURONAL CELL POPULATIONS IN A FETAL CASE OF HEMIMEGALENCEPHALY** 14:00 - 14:00

Speaker: Nicole Amberg (Austria)

PS06-28PM-618 **KLHL14-CRE AS A NOVEL TOOL FOR INVESTIGATION AND MANIPULATION OF AXON TARGETING AND INNERVATION BY BULBAR-CERVICAL CORTICOSPINAL NEURONS** 14:00 - 14:00

Speaker: Alexander Lammers (United States)

PS06-28PM-619 **SLIT1A: A THIRD SLIT FACTOR INVOLVED IN AXON GUIDANCE AT THE OPTIC CHIASM IN THE ZEBRAFISH** 14:00 - 14:00

Speaker: Flavio Zolessi (Uruguay)

PS06-28PM-620 **ACTIVITY-DEPENDENT PLASTICITY OF AXO-AXONIC SYNAPSES ACROSS SPATIAL SCALES** 14:00 - 14:00

Speaker: Clara Lenherr (United Kingdom)

PS06-28PM-621 **AUTOPHAGY REGULATION DURING BRAIN DEVELOPMENT AND SYNAPTOGENESIS** 14:00 - 14:00

Speaker: Francesca Nuzzolillo (Italy)

PS06-28PM-622 **SPATIALLY RESOLVED TRANSCRIPTOMICS OF NEWBORN HUMAN PREFRONTAL CORTEX** 14:00 - 14:00

Speaker: Kseniia Kubenko (Russian Federation)

PS06-28PM-623 **HLA-DEPENDENCY AND POSSIBLE CLINICAL RELEVANCE OF INTRATHECALLY SYNTHESIZED ANTI-IGLON5 IGG4 IN ANTI-IGLON5 DISEASE** 14:00 - 14:00

Speaker: Inga Koneczny (Austria)

PS06-28PM-624 **TARGETING CLUSTERIN FOR THERAPEUTIC INTERVENTION IN GLIOMAS** 14:00 - 14:00

Speaker: Pinky Sultana (Czech Republic)

PS06-28PM-625 **CLEMASTINE FUMARATE PROMOTES MYELIN REPAIR OF CHRONIC LESIONS OF THE NON-HUMAN PRIMATE OPTIC NERVE** 14:00 - 14:00

Speaker: Nadege Sarrazin (France)

PS06-28PM-626 **DELINEATING THE ROLE OF MONOCARBOXYLATE TRANSPORTER 8 (MCT8) IN THE CONTEXT OF NEUROINFLAMMATION-MEDIATED OLIGODENDROGLIOPATHY** 14:00 - 14:00

Speaker: Steven Petratos (Australia)

PS06-28PM-627 **INTERACTION OF SEX AND SLEEP ON PERFORMANCE AT THE NOVEL OBJECT RECOGNITION TASK IN MICE** 14:00 - 14:00

Speaker: Farahnaz Yazdanpanah Faragheh (United Kingdom)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 06 - Functional Connectivity and Cognitive Performance

PS06-28PM-516 **FUNCTIONAL CONNECTIVITY CURVE DETECTION MODEL (FUNCURVDTX) WITH APPLICATION TO ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Eunjee Lee (Korea, Republic of)

PS06-28PM-517 **FUNCTIONAL SEQUENCE KERNEL ASSOCIATION TEST (FSKAT) FOR GENETIC VARIANT IDENTIFICATION IN RESTING-STATE FUNCTIONAL CONNECTIVITY** 14:00 - 14:00

Speaker: Yoonseok Lee (Korea, Republic of)

PS06-28PM-518 **RELATIONSHIPS BETWEEN RESTING STATE BRAIN NETWORKS AND COGNITION ACROSS PSYCHOSIS, DEPRESSION, AND CLINICAL HIGH-RISK FOR PSYCHOSIS** 14:00 - 14:00

Speaker: Dilara Steenken (Germany)

PS06-28PM-519 **A CONNECTOME-BASED FMRI STUDY OF SPATIAL REASONING IN STROKE** 14:00 - 14:00

Speaker: Takamichi Tohyama (Japan)

PS06-28PM-521 **UNRAVELING THE INTERPLAY BETWEEN PSYCHOLOGICAL RESILIENCE, INTRINSIC FUNCTIONAL CONNECTIVITY AND PROCESSING SPEED IN HEALTHY AGEING** 14:00 - 14:00

Speaker: Menglu Chen (China)

PS06-28PM-522 **DEVELOPMENT OF THE WHOLE-BRAIN FUNCTIONAL CONNECTOME EXPLORED VIA GRAPH THEORY ANALYSIS** 14:00 - 14:00

Speaker: Jordan Hassett (Germany)

PS06-28PM-523 **THE CONTRIBUTION OF DIVERSE AND STABLE FUNCTIONAL CONNECTIVITY EDGES TO BRAIN-BEHAVIOR ASSOCIATIONS** 14:00 - 14:00

Speaker: Andraž Matkovič (Slovenia)

PS06-28PM-524 **MULTIVARIATE PATTERN ANALYSIS ON ASSOCIATIONS BETWEEN RESTING-STATE WHOLE-BRAIN FUNCTIONAL CONNECTIVITY PATTERNS AND MEDIAL PREFRONTAL GABA LEVELS SPECIFIC TO MAJOR DEPRESSIVE DISORDER** 14:00 - 14:00

Speaker: Toshiki Iwabuchi (Japan)

PS06-28PM-525 **GLOBAL AND LOCAL FUNCTIONAL CONNECTIVITY HUBS FOR VERBAL MEMORY ENCODING** 14:00 - 14:00

Speaker: Petr Klimes (Czech Republic)

PS06-28PM-526 **RESTING-STATE BRAIN NETWORKS IN RELATION TO DECLARATIVE/PROCEDURAL MEMORY AND MULTILINGUAL LANGUAGE EXPERIENCE** 14:00 - 14:00

Speaker: Sevil Maghsadghagh (Austria)

PS06-28PM-527 **INTEGRATING MACROSTRUCTURAL AND MICROSTRUCTURAL REPRESENTATIONS OF WHITE MATTER THROUGH CONVOLUTIONAL NEURAL NETWORKS** 14:00 - 14:00

Speaker: Jung Youn Min (Korea, Republic of)

PS06-28PM-528 **OBLIGATORY TRAJECTORY BETWEEN TRACTABLE COMPONENTS IN THE NEUROPSYCHOLOGICAL ARCHITECTURE** 14:00 - 14:00

Speaker: Suzana Gjerci (Albania)

PS06-28PM-529 **CAN RETINA SERVE AS A SURROGATE MARKER FOR CARDIOVASCULAR RISK FACTOR-ASSOCIATED DIFFERENCES IN THE BRAIN?** 14:00 - 14:00

Speaker: Nazife ayildiz (Germany)

PS06-28PM-531 **COMPENSATION BY DYNAMICS: FUNCTIONAL CONNECTIVITY RESCUED FROM STRUCTURAL DAMAGE BY MODULATING DYNAMICAL REGIME** 14:00 - 14:00

Speaker: Samy Castro Novoa (France)

PS06-28PM-532 **FUNCTIONAL CONNECTIVITY AS BIOMARKER FOR NETWORK HYPEREXCITABILITY IN ALZHEIMER'S DISEASE** 14:00 - 14:00

Speaker: Anne van Nifterick (Netherlands)

PS06-28PM-533	SEMI-BLIND MACHINE LEARNING FOR FMRI-BASED PREDICTIONS OF INTELLIGENCE	14:00 - 14:00
<i>Speaker:</i> Gabriele Lohmann (Germany)		
PS06-28PM-534	COACTIVATION PATTERN ANALYSIS REVEALS CHANGES IN PRODROMAL DEMENTIA WITH LEWY BODIES	14:00 - 14:00
<i>Speaker:</i> Martin Gajdoš (Czech Republic)		
PS06-28PM-535	THE POSSIBLE IMPACT OF THE DEFAULT MODE ON COGNITION: WHAT CAN BE LEARNED FROM CHILDHOOD STROKE	14:00 - 14:00
<i>Speaker:</i> Kathrin Kollndorfer (Austria)		
PS06-28PM-536	REGIONAL CORTICAL EXCITABILITY CRITICALLY BIASES INTERAREAL FMRI CONNECTIVITY	14:00 - 14:00
<i>Speaker:</i> David Sastre (Italy)		
PS06-28PM-537	RESTING-STATE DISSECTION	14:00 - 14:00
<i>Speaker:</i> Anastasios-Polykarpos Athanasiadis (France)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Brain Injury		
PS06-28PM-236	ENHANCING RECOVERY AFTER TRAUMATIC BRAIN INJURY BY PHARMACOLOGICAL MODULATION OF THE PTEN/AKT PATHWAY	14:00 - 14:00
<i>Speaker:</i> Anne-Sophie Gutt (Germany)		
PS06-28PM-237	EFFECT OF PPARγ MODULATION ON THE MOLECULAR AND FUNCTIONAL OUTCOME AFTER PERIPHERAL NERVE INJURY	14:00 - 14:00
<i>Speaker:</i> Antonia Seitz (Germany)		
PS06-28PM-238	DELIVERY OF PTEN INHIBITORY PEPTIDE PAP2 TO PROMOTE REGENERATION IN A MOUSE MODEL OF TRAUMATIC BRAIN INJURY	14:00 - 14:00
<i>Speaker:</i> Karla Kristine Rivera (Germany)		
PS06-28PM-239	NEUROLOGICAL OUTCOME AND TISSUE RESPONSE OF AGEING RATS IN TWO MODELS OF ACQUIRED BRAIN INJURY	14:00 - 14:00
<i>Speaker:</i> Tatenda Mutshiya (United Kingdom)		
PS06-28PM-240	INTERVENTION WITH A MEDICAL MULTI-NUTRIENT IN TRAUMATIC BRAIN INJURY - A FEASIBILITY TRIAL	14:00 - 14:00
<i>Speaker:</i> Isabell Nessel (United Kingdom)		
PS06-28PM-241	EFFECTS OF DIETARY SUPPLEMENTATION WITH DEUTERATED POLYUNSATURATED FATTY ACIDS IN EXPERIMENTAL TRAUMATIC BRAIN INJURY	14:00 - 14:00
<i>Speaker:</i> Ozgun Mavuk (United Kingdom)		
PS06-28PM-242	PHARMACOLOGICAL EVALUATION OF NOVEL NON-NUCLEOTIDE PURINE DERIVATIVES AS P2X7 ANTAGONISTS FOR THE TREATMENT OF NEUROINFLAMMATION IN TRAUMATIC BRAIN INJURY	14:00 - 14:00
<i>Speaker:</i> Inés Valencia-Fernández (Spain)		
PS06-28PM-243	FUNCTIONAL INTERACTION BETWEEN TRAUMATIC BRAIN INJURY AND ALZHEIMER'S DISEASE IN NEXT-GEN HUMANIZED MICE MODELS	14:00 - 14:00
<i>Speaker:</i> Amr Eed (Canada)		
PS06-28PM-244	ASSOCIATION OF INSULIN-LIKE GROWTH FACTOR 1 WITH POST-TRAUMATIC BRAIN INJURY SLEEP DISORDERS: A LONGITUDINAL STUDY	14:00 - 14:00
<i>Speaker:</i> Kai-Yun Chen (Taiwan)		

PS06-28PM-245	SYSTEMIC REVIEW OF CELL-BASED THERAPY FOR CEREBRAL INFARCTION	14:00 - 14:00
	<i>Speaker:</i> Chung-Che Wu (Taiwan)	
PS06-28PM-246	UNVEILING MICROVASCULAR OCCLUSIONS IN TRAUMATIC BRAIN INJURY: INSIGHTS INTO BLOOD-BRAIN BARRIER PERMEABILITY USING SUPERBRIGHT NANOPARTICLES	14:00 - 14:00
	<i>Speaker:</i> Atonia Clarissa Wehn (Germany)	
PS06-28PM-247	MITOCHONDRIAL DYSFUNCTION UNDERLIES IMPAIRED NEUROVASCULAR COUPLING FOLLOWING TRAUMATIC BRAIN INJURY	14:00 - 14:00
	<i>Speaker:</i> Gerben Van Hameren (Canada)	
PS06-28PM-248	FUNCTIONAL IMPLICATIONS OF TRAUMATIC BRAIN INJURY-INDUCED CHANGES IN SERINE/THREONINE KINASE ACTIVITY & PEPTIDE PHOSPHORYLATION IN MOUSE CORTEX	14:00 - 14:00
	<i>Speaker:</i> Celine Gallagher (Germany)	
PS06-28PM-249	BLOOD-SPINAL CORD BARRIER ALTERATIONS IN A MOUSE MODEL OF CENTRIFUGATION-INDUCED HYPERGRAVITY	14:00 - 14:00
	<i>Speaker:</i> David Dubayle (France)	
PS06-28PM-250	THE ROLES OF KETIMINE REDUCTASE MU-CRYSTALLIN IN TRANSIENT FOREBRAIN ISCHEMIA	14:00 - 14:00
	<i>Speaker:</i> Dae Young Yoo (Korea, Republic of)	
PS06-28PM-251	CUPROPTOSIS, COPPER HOMEOSTASIS AND MANAGEMENT IN INTRACEREBRAL HAEMORRHAGE (ICH)	14:00 - 14:00
	<i>Speaker:</i> Tsz Ching Alexia Ng (Hong Kong)	
PS06-28PM-252	CCL5 PROMOTES NEURONAL RESTORATION AFTER BRAIN INJURY	14:00 - 14:00
	<i>Speaker:</i> Szu-Yi Chou (Taiwan)	
PS06-28PM-253	FUNCTIONAL AND MORPHOLOGICAL ALTERATIONS OF PARVALBUMIN-POSITIVE INTERNEURONS IN THE SOMATOSENSORY CORTEX OF MICE IN THE EARLY PHASE AFTER TRAUMATIC BRAIN INJURY	14:00 - 14:00
	<i>Speaker:</i> Qiang W (Germany)	
PS06-28PM-254	BRAIN MICROVESSEL-SPECIFIC DELETION OF THE COL4A1 GENE IN ADULT MICE LEADS TO WIDESPREAD MICROHEMORRHAGES RESEMBLING HUMAN MICROBLEEDS	14:00 - 14:00
	<i>Speaker:</i> Hyunmi Kim (Korea, Republic of)	
PS06-28PM-255	PERSISTENT ASTROGLIOSIS AND MICROGLIOSIS IN THE PERILESIONAL CORTEX AFTER TRAUMATIC BRAIN INJURY IN MALE AND FEMALE RATS	14:00 - 14:00
	<i>Speaker:</i> Zuzanna Rauk (Poland)	
PS06-28PM-256	NESTIN-CRE-MEDIATED PROGRANULIN EXPRESSION PARTIALLY RESCUES EXACERBATED CONSEQUENCES IN PROGRANULIN-DEFICIENT MICE AFTER TRAUMATIC BRAIN INJURY	14:00 - 14:00
	<i>Speaker:</i> Sudena Wang (Germany)	
PS06-28PM-257	TREATMENT OF TRAUMATIC BRAIN INJURY BY ATORVASTATIN-LOADED PEGYLATED LIPOSOME	14:00 - 14:00
	<i>Speaker:</i> Eunsol Hwang (Korea, Republic of)	
PS06-28PM-258	CSF LEAK PRESENTING AS RECURRENT BILATERAL SUBDURAL HEMATOMA IN AN ADULT ASIAN MALE: A CASE REPORT	14:00 - 14:00
	<i>Speaker:</i> Cybele Liana Go (Philippines)	
PS06-28PM-259	T-LYMPHOCYTE INFILTRATION IN THE BRAIN PARENCHYMA IS A HALLMARK OF ACUTE NEUROINFLAMMATION FOLLOWING	14:00 - 14:00

SUBARACHNOID HEMORRHAGE IN MICE*Speaker:* Edoardo Mazzone (Italy)

PS06-28PM-260 **INVESTIGATION OF BLOOD-BRAIN BARRIER CHANGES IN ACUTE PANCREATITIS: A CELL CULTURE AND CLINICAL STUDY** 14:00 - 14:00

Speaker: Nóra Kucsápszky (Hungary)

PS06-28PM-261 **HYPERBARIC OXYGENATION ENHANCES NEUROGENESIS IN SUBVENTRICULAR ZONE AFTER TRAUMATIC BRAIN INJURY** 14:00 - 14:00

Speaker: Rada Jeremic (Serbia)

PS06-28PM-262 **CEREBRAL CONSEQUENCES OF HYPERTENSION AND NEMO DELETION IN BRAIN ENDOTHELIAL CELLS IN MICE** 14:00 - 14:00

Speaker: Marietta Zille (Austria)

PS06-28PM-263 **UNMASKING MICROGLIAL RESPONSES TO TRAUMATIC BRAIN INJURY AND NEURAL PROBES THROUGH MORPHOMETRIC ANALYSIS - MICROFACE** 14:00 - 14:00

Speaker: Vatsalkumar Daxeshkumar Jariwala (Germany)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 06 - Parkinson's Disease Pathophysiology

PS06-28PM-468 **LACTOBACILLUS SAKEI IMPROVES BEHAVIORAL DEFICITS IN PARKINSON'S DISEASE THROUGH THE GUT-BRAIN AXIS** 14:00 - 14:00

Speaker: Da Hye Song (Korea, Republic of)

PS06-28PM-469 **AMELIORATIVE EFFECTS OF ENTEROCOCCUS FAECIUM ON THE GUT-BRAIN AXIS IN PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Seung Min Yu (Korea, Republic of)

PS06-28PM-470 **GABA ATTENUATES MPTP-INDUCED PARKINSON'S DISEASE BY TARGETING THE MAPK SIGNALING PATHWAY** 14:00 - 14:00

Speaker: Jeung Hee An (Korea, Republic of)

PS06-28PM-471 **THE PYRUVATE DEHYDROGENASE AS A NEW POTENTIAL THERAPEUTIC TARGET IN PARKINSON'S DISEASE PATHOPHYSIOLOGY** 14:00 - 14:00

Speaker: Vanille Millasseau (France)

PS06-28PM-472 **DJ-1-MEDIATED METABOLIC EFFICIENCY DETERMINED THE VULNERABILITY OF MIDBRAIN DOPAMINERGIC NEURONS IN PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Amina Abulimiti (United Kingdom)

PS06-28PM-473 **AN IN-DEPTH INVESTIGATION OF MOTOR AND NON-MOTOR SYMPTOMS USING DIFFUSION TENSOR IMAGING(DTI) MEASURES IN PARKINSON'S DISEASE(PD) PATIENTS: A PPMI DATA ANALYSIS** 14:00 - 14:00

Speaker: Zohreh Molaei (Iran)

PS06-28PM-474 **GOLEXANOLONE, A GABAA RECEPTOR-MODULATING STEROID ANTAGONIST, IMPROVES NEUROINFLAMMATION, FATIGUE, ANXIETY, DEPRESSION AND SOME COGNITIVE AND MOTOR ALTERATIONS IN A RAT MODEL OF PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Yaiza M^a Arenas Ortiz (Spain)

PS06-28PM-475 **PARKINSON'S SERVED IN A PLATE: PRECLINICAL INVESTIGATION OF HIGH-FAT DIET AND ROTENONE IN DEVELOPMENT OF PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Aditya Singh (India)

PS06-28PM-476 **THE INFLUENCE OF LIGHT EXPOSURE ON PARKINSON'S DISEASE PROGRESSION** 14:00 - 14:00

Speaker: Shih-Chuan Jhu (Taiwan)

PS06-28PM-477 **THE NEUROPHYSIOLOGICAL MECHANISMS OF IMPAIRED MANUAL DEXTERITY IN PARKINSON'S DISEASE - MULTIMODAL STUDY PET/CT, EEG AND BDNF** 14:00 - 14:00

Speaker: Karolina Lorek (Poland)

PS06-28PM-478 **WAIST CIRCUMFERENCE AND ALL-CAUSE MORTALITY IN PARKINSON DISEASE: A NATIONWIDE POPULATION-BASED COHORT STUDY** 14:00 - 14:00

Speaker: Seo Yeon Yoon (Korea, Republic of)

PS06-28PM-479 **DEVELOPMENT OF A NOVEL VR-BASED SYSTEM FOR QUANTITATIVE ASSESSMENT OF FREEZING OF GAIT IN PARKINSON DISEASE** 14:00 - 14:00

Speaker: Shota Emoto (Japan)

PS06-28PM-480 **ROLE OF GALECTIN-3 IN AGING AND PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Ana María Espinosa Oliva (Spain)

PS06-28PM-481 **BLOOD D-SERINE LEVELS CORRELATE WITH AGING AND DOPAMINERGIC TREATMENT IN PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Isar Yahyavi (Italy)

PS06-28PM-482 **COGNITIVE PROFILES AND BRAIN ALTERATIONS IN PRODROMAL AND PARKINSON'S DISEASE INDIVIDUALS** 14:00 - 14:00

Speaker: Edith Gaspar (Mexico)

PS06-28PM-483 **KINEMATIC DATA PREDICT RISK OF FUTURE FALLS IN PATIENTS WITH PARKINSON'S DISEASE WITHOUT A HISTORY OF FALLS: A FIVE-YEAR PROSPECTIVE STUDY** 14:00 - 14:00

Speaker: Max Brzezicki (United Kingdom)

PS06-28PM-484 **TARGETING THE VASO-INTESTINAL PEPTIDERGIC SYSTEM TO DECREASE ANXIETY IN PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Adriane Guillaumin (France)

PS06-28PM-485 **LOSS OF METABOLIC SPIKE REGULATION MAY LEAD TO DISEASE ONSET AND CELL DEATH IN PARKINSON'S** 14:00 - 14:00

Speaker: Chaitanya Chintaluri (Austria)

PS06-28PM-486 **THE EFFECT OF MODERATE-INTENSITY BALANCE TRAINING ON THE ACTIVITY OF ANTIOXIDANT ENZYMES IN PEOPLE WITH PARKINSON'S DISEASE. A PILOT STUDY** 14:00 - 14:00

Speaker: Jadwiga Kubica (Poland)

PS06-28PM-487 **COMPARISON OF LOCOMOTION SPEED DURING DIFFERENT COGNITIVE AND MOTOR TASKS IN SUBJECTS WITH PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Flávia Gomes Martinez (Brazil)

PS06-28PM-488 **OLFACTORY DYSFUNCTION AS A COMMON DENOMINATOR IN MULTIPLE SCLEROSIS AND PARKINSON'S DISEASE - EVIDENCE FROM ANIMAL MODELS** 14:00 - 14:00

Speaker: Andjela Stekic (Serbia)

PS06-28PM-489 **AVALANCHE TRANSITION MATRICES REFLECT BASAL GANGLIA-CORTICAL ALTERATIONS IN PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Hasnae AGOURAM (France)

PS06-28PM-490 **EFFECTS OF AEROBIC-STRENGTH TRAINING ON CLINICAL STATE AND COGNITIVE FUNCTIONS IN PATIENTS WITH MILD TO MODERATE PARKINSON'S DISEASE** 14:00 - 14:00

Speaker: Jozef Ukropec (Slovakia)

PS06-28PM-491 **VISUALIZING DIFFERENCES ONLINE: RADIOLOGICAL INSIGHTS** 14:00 - 14:00

INTO CONTROL, PRODROMAL, AND PARKINSON'S BRAINS USING VOLUMETRY

Speaker: Mazhar ÖZKAN (Turkey)

PS06-28PM-492 **GPR37 PROCESSING IN NEURODEGENERATION: A POTENTIAL MARKER FOR PARKINSON'S DISEASE PROGRESSION RATE** 14:00 - 14:00

Speaker: Josep Argerich (Spain)

PS06-28PM-493 **PARKINSON'S DISEASE IN MAURITANIA: ANALYSIS OF THE EPIDEMIOLOGICAL PROFILE AND CONTRIBUTION TO GENETIC ANALYSIS** 14:00 - 14:00

Speaker: El El Mouhab (Mauritania)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Social Cognition

PS06-28PM-091 **THE ROLE OF THE PRELIMBIC CORTEX IN TRANSITION FROM OUT-GROUP TO IN-GROUP SOCIAL INTERACTIONS** 14:00 - 14:00

Speaker: Anjaly Yadav (Poland)

PS06-28PM-092 **THE FUNCTIONAL ROLE OF THE PRELIMBIC MICROCIRCUITS IN ENCODING FAMILIAR AND NOVEL SOCIAL STIMULI** 14:00 - 14:00

Speaker: Anna Bryksa (Poland)

PS06-28PM-093 **NEURAL REPRESENTATIONS UNDERLYING SELF AND CONSPECIFIC ACTION-OUTCOMES DURING JOINT DECISION-MAKING IN MICE** 14:00 - 14:00

Speaker: Anas Masood (Switzerland)

PS06-28PM-094 **NEURAL CORRELATES OF SOCIAL CHOICES DURING DECISION-MAKING IN FREELY MOVING MICE** 14:00 - 14:00

Speaker: Dimokratis Karamanlis (Switzerland)

PS06-28PM-095 **MICE COPY CONSPECIFICS WHEN UNCERTAIN DURING JOINT PERCEPTUAL DECISION-MAKING** 14:00 - 14:00

Speaker: Andrea Valderrama Alvarez (Switzerland)

PS06-28PM-096 **IDENTIFYING SOCIAL BEHAVIORAL PROFILE UNDERLYING PROSOCIAL ACTIONS IN MICE** 14:00 - 14:00

Speaker: Klaus Rössel (Germany)

PS06-28PM-097 **EMOTIONAL CONTAGION AND HELPING BEHAVIOR: LEARNING TO BE GOOD RECRUITS CELL SUBPOPULATION IN THE DORSAL HIPPOCAMPUS IN MICE** 14:00 - 14:00

Speaker: Moisés dos Santos Corrêa (Germany)

PS06-28PM-098 **INVESTIGATING BEHAVIORAL VARIABLES UNDERLYING HELPING BEHAVIOR IN MICE** 14:00 - 14:00

Speaker: Anna Agafonova (Germany)

PS06-28PM-099 **EMPLOYING CBF-SPECT IMAGING TO EXAMINE THE ACTIVATION OF BRAIN REGIONS ACROSS DIFFERENT STAGES OF HELPING BEHAVIOR IN MICE** 14:00 - 14:00

Speaker: Esmeralda Tafani (Germany)

PS06-28PM-100 **DECIPHERING SOCIAL AND SOLITARY BEHAVIORS IN MICE: INSIGHTS FROM DATA-DRIVEN APPROACH TO BEHAVIOR DECOMPOSITION** 14:00 - 14:00

Speaker: Marti Ritter (Germany)

PS06-28PM-101 **THE NEURAL BASES OF HOW DOGS AND HUMANS NAVIGATE THEIR SOCIAL ENVIRONMENT** 14:00 - 14:00

Speaker: Magdalena Boch (Austria)

PS06-28PM-102	USING MUSCIMOL AND IN VIVO ELECTROPHYSIOLOGICAL RECORDINGS TO UNVEIL THE ROLE OF THE DEEP CEREBELLAR NUCLEI ON SOCIAL INTERACTION BEHAVIORS IN MICE	14:00 - 14:00
<i>Speaker:</i> Yi-Ting Lin (Taiwan)		
PS06-28PM-103	INDIVIDUAL DIFFERENCES IN PROSOCIAL LEARNING ARE EXPLAINED BY HIPPOCAMPAL ACTIVITY IN MICE	14:00 - 14:00
<i>Speaker:</i> Filippo La Greca (Italy)		
PS06-28PM-104	OBSERVATION OF SOCIAL AND NON-SOCIAL INTERACTIONS IN DOGS AND HUMANS: RESULTS FROM FMRI AND EYETRACKING	14:00 - 14:00
<i>Speaker:</i> Catherine-Noémie Alexandrina Guran (Austria)		
PS06-28PM-105	THE SOCIAL BEHAVIOROME IN MOUSE MODELS OF AUTISM SPECTRUM DISORDERS (ASD)	14:00 - 14:00
<i>Speaker:</i> Sarah Gorkiewicz (Austria)		
PS06-28PM-106	DISCOVERING THE INDIVIDUAL DIFFERENCES IN SHARED REPRESENTATIONS OF NEURAL DYNAMICS AND ETHOLOGICAL BEHAVIORS	14:00 - 14:00
<i>Speaker:</i> Felix Taschbach (United States)		
PS06-28PM-107	STABILITY OF SOCIAL BONDS OVER TIME- MEASURED IN MICE TESTED UNDER SEMI-NATURALISTIC CONDITIONS	14:00 - 14:00
<i>Speaker:</i> Maria Kalinowska (Poland)		
PS06-28PM-108	INDIVIDUAL AND SOCIAL CONTRIBUTIONS TO MICE LEARNING IN INTELICAGES	14:00 - 14:00
<i>Speaker:</i> Daniel Wójcik (Poland)		
PS06-28PM-109	A FUNCTIONAL NETWORK ANALYSIS OF THE MOUSE BRAIN: INSIGHTS INTO SEXUAL IMPRINTING	14:00 - 14:00
<i>Speaker:</i> Alessandra Stella (Italy)		
PS06-28PM-110	THE MODIFIED ELEVATED GAP INTERACTION TEST: A NOVEL PARADIGM TO ASSESS SOCIAL PREFERENCE	14:00 - 14:00
<i>Speaker:</i> Lieke Kros (Netherlands)		
PS06-28PM-111	NEURAL REPRESENTATION OF SOCIAL CONSPECIFICS DURING FREELY MOVING BEHAVIOR	14:00 - 14:00
<i>Speaker:</i> Cristina Mazuski (United Kingdom)		
PS06-28PM-112	ENHANCED CONNECTIVITY DURING OTHERS' PRESENCE: UNVEILING SOCIAL FACILITATION ACROSS BRAIN SCALES VIA PROBABILISTIC INFERENCE	14:00 - 14:00
<i>Speaker:</i> Amirhossein Esmaeili (France)		
PS06-28PM-113	MENTALISING UNDERLIES STRATEGIC COORDINATION IN GUINEA BABOONS (PAPIO PAPIO)	14:00 - 14:00
<i>Speaker:</i> Toan Nong (France)		
PS06-28PM-114	SHARING THE SPOTLIGHT: UNCOVERING COMMON ATTENTIONAL DYNAMICS ACROSS SPECIES	14:00 - 14:00
<i>Speaker:</i> Iuliia Glukhova (Germany)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Regulation of Appetite and Metabolism		
PS06-28PM-298	OREXIN AS A NEUROPSYCHOLOGICAL BASIS FOR TEMPTATION-RESISTANT VOLUNTARY EXERCISE	14:00 - 14:00
<i>Speaker:</i> Alexander Tesmer (Switzerland)		
PS06-28PM-299	CONTROL AND CODING OF PUPIL SIZE BY HYPOTHALAMIC OREXIN NEURONS	14:00 - 14:00

Speaker: Nikola Grujic (Switzerland)

PS06-28PM-300 **ROLE OF THE DORSAL VAGAL COMPLEX IN SEMAGLUTIDE-INDUCED REDUCTION OF FOOD INTAKE AND BODY WEIGHT** 14:00 - 14:00

Speaker: Júlia Teixidor Deulofeu (Sweden)

PS06-28PM-301 **ACTIVATION OF GFRAL⁺ NEURONS INDUCES HYPOTHERMIA AND GLUCOREGULATORY RESPONSES ASSOCIATED WITH NAUSEA AND TORPOR** 14:00 - 14:00

Speaker: Ferran Font Gironès (Sweden)

PS06-28PM-302 **PREOPTIC PNOX NEURONS MODULATE ENERGY EXPENDITURE AND ADIPOSE TISSUE FUNCTION** 14:00 - 14:00

Speaker: Adel Ben-Kraiem (Germany)

PS06-28PM-303 **INVESTIGATION OF THE EFFECTS OF HIGH-CALORIE DIET ON SYNAPTIC NEUROTRANSMISSION IN THE ARCTH → PVH NEURAL CIRCUIT BY OPTOGENETIC AND ELECTROPHYSIOLOGICAL METHODS** 14:00 - 14:00

Speaker: Bayram Yilmaz (Turkey)

PS06-28PM-304 **REGULATION OF ANXIETY-RELATED BEHAVIORS BY LEPTIN RECEPTOR-EXPRESSING NEURONS IN THE LATERAL HYPOTHALAMUS** 14:00 - 14:00

Speaker: Rebecca Figge-Schlensock (Germany)

PS06-28PM-305 **SEQUENTIAL APPETITE SUPPRESSION BY ORAL AND VISCERAL FEEDBACK TO THE BRAINSTEM** 14:00 - 14:00

Speaker: Truong Ly (United States)

PS06-28PM-306 **REDUCED LOCAL GABA TRANSMISSION ONTO VENTRAL TEGMENTAL AREA DOPAMINE NEURONS UNDERLIES VULNERABILITY FOR HYPERACTIVITY IN A MOUSE MODEL OF ANOREXIA NERVOSA** 14:00 - 14:00

Speaker: Fabien Ducrocq (France)

PS06-28PM-307 **ROLE OF HYPOTHALAMIC NPGL/NPGM SYSTEM TO ENERGY METABOLISM** 14:00 - 14:00

Speaker: Kenshiro Shikano (Japan)

PS06-28PM-308 **OMENTIN-1 IN THE MOUSE HYPOTHALAMIC NEURONAL CELLS: EXPRESSION AND EFFECT ON THE REGULATION OF GONADOTROPIN-RELEASING HORMONE EXPRESSION AND SECRETION, VIABILITY, AND APOPTOSIS IN GT1-7 CELLS** 14:00 - 14:00

Speaker: Natalia Respekta-Długosz (Poland)

PS06-28PM-309 **THALAMIC OPIOIDS FROM POMC SATIETY NEURONS GATE SUGAR APPETITE** 14:00 - 14:00

Speaker: Marielle Minère (Germany)

PS06-28PM-310 **STATE-DEPENDENT PLASTICITY OF OLFACTORY CORTEX REGULATES FOOD-SEEKING BEHAVIOR AND NOVEL FOOD LEARNING** 14:00 - 14:00

Speaker: Fung Yin Ngo (Hong Kong)

PS06-28PM-311 **INVESTIGATING THE NEURAL BASIS OF DEHYDRATION-INDUCED ANOREXIA** 14:00 - 14:00

Speaker: Mary LaPierre (Canada)

PS06-28PM-312 **ACUTE STRESS REGULATES AGRP NEURONAL ACTIVITY** 14:00 - 14:00

Speaker: Alexander Reichenbach (Australia)

PS06-28PM-313 **PRIMING THE SENSES: HUNGER'S INFLUENCE ON OLFACTION, BEHAVIOUR, AND PHYSIOLOGICAL RESPONSES** 14:00 - 14:00

Speaker: Romana Stark (Australia)

PS06-28PM-314	EXTRACELLULAR VESICLES FROM HYPOTHALAMIC ASTROCYTES MODIFY TRANSCRIPTION FACTORS OF THE LEPTIN SIGNALING PATHWAY IN PROOPIOMELANOCORTIN (POMC) NEURONS	14:00 - 14:00
<i>Speaker:</i> Alfonso Gómez Romero (Spain)		
PS06-28PM-315	PHYSICAL ACTIVITY SENSITIZES VAGAL GUT-BRAIN COMMUNICATION UNDERLYING FEEDING CONTROL	14:00 - 14:00
<i>Speaker:</i> Diba Borgmann (Denmark)		
PS06-28PM-316	LATERAL HYPOTHALAMIC NEUROTENSIN-EXPRESSING NEURONS SHAPE THE BALANCE BETWEEN DRINKING, FEEDING AND SOCIALIZING	14:00 - 14:00
<i>Speaker:</i> Chantal Wissing (Germany)		
PS06-28PM-317	AN OBESITY-ASSOCIATED SWITCH IN VAGAL GUT-BRAIN COMMUNICATION MODULATES FEEDING BEHAVIOR	14:00 - 14:00
<i>Speaker:</i> Leonie Cabot (Germany)		
PS06-28PM-318	DECONSTRUCTION OF THE ROLE OF CB1 RECEPTOR IN CAMKII+ NEURONS IN THE CONTEXT OF OBESITY, METABOLIC SYNDROME, BINGE-EATING AND FOOD ADDICTION	14:00 - 14:00
<i>Speaker:</i> Inigo Ruiz de Azua (Germany)		
PS06-28PM-319	SIK3 IN DIFFERENT HYPOTHALAMIC AREAS MEDIATES WHOLE-BODY ENERGY BALANCE	14:00 - 14:00
<i>Speaker:</i> Patricia Seoane-Collazo (Spain)		
PS06-28PM-320	MOLECULAR CONNECTOMICS REVEALS A GLUCAGON-LIKE PEPTIDE 1 SENSITIVE NEURAL CIRCUIT FOR SATIETY	14:00 - 14:00
<i>Speaker:</i> Addison Webster (United States)		
PS06-28PM-321	EXPOSURE TO FOOD-ASSOCIATED SENSORY CUES DURING DEVELOPMENT PROGRAM CENTRAL RESPONSE TO FOOD AND OBESITY	14:00 - 14:00
<i>Speaker:</i> Laura Casanueva Reimon (Germany)		
PS06-28PM-322	THE DOPAMINE DIALOGUE: GLP1R AGONISM SUPPRESSES NUCLEUS ACCUMBENS DOPAMINE RELEASE AND FOOD INTAKE	14:00 - 14:00
<i>Speaker:</i> Lotus Jeffs (Australia)		
PS06-28PM-323	A CIRCUIT MECHANISM FOR HUNGER-STATE DEPENDENT SHIFTS IN PERCEPTION IN THE POND SNAIL <i>LYMNAEA STAGNALIS</i>	14:00 - 14:00
<i>Speaker:</i> Michael Crossley (United Kingdom)		
PS06-28PM-324	CENTRAL ACTIONS OF LEPTIN SENSITIZER CELASTROL	14:00 - 14:00
<i>Speaker:</i> Miriam Bernecker (Germany)		
PS06-28PM-325	A FOOD-SENSITIVE OLFACTORY CIRCUIT DRIVES ANTICIPATORY SATIETY	14:00 - 14:00
<i>Speaker:</i> Janice Bulk (Germany)		
PS06-28PM-326	BUTYRYLCHOLINESTERASE IS LINKED TO OBESITY BUT DOES NOT REGULATE THE APPETITE AND GLUCOSE METABOLISM	14:00 - 14:00
<i>Speaker:</i> Tibor Hodbod (Slovakia)		
PS06-28PM-327	THE KETOGENIC DIET SUPPRESSES APPETITE ALTERING OREXIGENIC AND ANOREXIGENIC PATHWAYS IN HYPOTHALAMUS OF DIET-INDUCED OBESE AND LEAN MICE	14:00 - 14:00
<i>Speaker:</i> Mateusz Grabowski (Poland)		
PS06-28PM-328	CHEMOGENETIC INHIBITION OF THE LATERAL HYPOTHALAMIC AREA TO DECREASE FOOD INTAKE IN RATS: A PROOF-OF-CONCEPT STUDY AND THE OPTIMIZATION OF TECHNICAL PARAMETERS	14:00 - 14:00
<i>Speaker:</i> Zsolt Kristóf Bali (Hungary)		

PS06-28PM-329	PLASTICITY ON NAC LH-PROJECTORS IN HIGHLY-PALATABLE-FOOD INDUCED COMPULSIVE OVEREATING	14:00 - 14:00
<i>Speaker:</i> Xia Wang (Switzerland)		
PS06-28PM-330	OXYTOCIN AND LEPTIN CROSSTALK IN THE REGULATION OF THE ENERGY BALANCE	14:00 - 14:00
<i>Speaker:</i> Chiara Galli (Italy)		
PS06-28PM-331	ROLE OF EPHRINB3 IN POMC NEURONS IN THE CONTROL OF ENERGY AND GLUCOSE HOMEOSTASIS	14:00 - 14:00
<i>Speaker:</i> Clémentine Pajot (Switzerland)		
PS06-28PM-332	IMPAIRMENT OF AGRP NEURONS INFLUENCE BODY WEIGHT, LIFESPAN AND BEHAVIOUR IN CALORIE-RESTRICTED MICE	14:00 - 14:00
<i>Speaker:</i> Bence Racz (Hungary)		
PS06-28PM-333	INHIBITORY CONTROL FOR FOOD THROUGHOUT THE MENSTRUAL CYCLE	14:00 - 14:00
<i>Speaker:</i> Koyuki Ikarashi (Japan)		
PS06-28PM-334	NICOTINE SUPPRESSES FEEDING BEHAVIOR BY EXERTING OPPOSITE EFFECTS ON THE NEURONAL ACTIVITY OF THE ARCUATE NUCLEUS	14:00 - 14:00
<i>Speaker:</i> José Enrique Ramírez Sánchez (Mexico)		
PS06-28PM-335	HINDBRAIN REGULATION OF STRESS AND CUE-INDUCED APPETITIVE BEHAVIOUR	14:00 - 14:00
<i>Speaker:</i> Zhi Yi Ong (Australia)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Brain Cancer Research and Therapies		
PS06-28PM-588	ASSESSMENT OF METABOLOME IN THE TUMOR MICROENVIRONMENT BY CEREBRAL OPEN FLOW MICROPERFUSION (COFM) IN A HUMAN GLIOBLASTOMA XENOGRAFT ANIMAL MODEL	14:00 - 14:00
<i>Speaker:</i> Thomas Altendorfer-Kroath (Austria)		
PS06-28PM-589	TUMOR TISSUE METABOLOMICS INFORMS METABOLIC REPROGRAMMING IN IDH WILD-TYPE GLIOMAS	14:00 - 14:00
<i>Speaker:</i> Fernanda Monedeiro (Austria)		
PS06-28PM-590	MACHINE LEARNING IDENTIFIES POTENTIAL ANTI-GLIOBLASTOMA SMALL MOLECULES	14:00 - 14:00
<i>Speaker:</i> Amirhomayoun Atefi (Iran)		
PS06-28PM-591	AI-DRIVEN IMAGE ANALYSIS FOR LABEL-FREE QUANTIFICATION OF CHEMOTHERAPEUTIC CYTOTOXICITY IN GLIAL CELLS	14:00 - 14:00
<i>Speaker:</i> Jasmine Trigg (United Kingdom)		
PS06-28PM-592	COFFEE-DERIVED EXOSOME-LIKE NANOPARTICLES EFFECT CELL VIABILITY AND CELL DEATH DIFFERENTLY OF NEURAL CREST-DERIVED AND GLIAL TUMOR CELLS	14:00 - 14:00
<i>Speaker:</i> Ela Doruk Korkmaz (Turkey)		
PS06-28PM-593	A QUALITATIVE ANALYSIS OF THE RELATIONSHIP OF GLUTAMATE AND GLUTAMINE AND METABOLIC PROFILING IN FOCAL EPILEPSY USING 7T CRT-FID-MRSI	14:00 - 14:00
<i>Speaker:</i> Stefanie Chambers (Austria)		

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Spinal Locomotion Mechanisms

- PS06-28PM-443 **ROSTRO-CAUDAL CONTROL OF LOCOMOTOR STEERING STRATEGIES BY V2A RETICULOSPINAL MODULES** 14:00 - 14:00
Speaker: Andrea Giorgi (France)
- PS06-28PM-444 **ANATOMO-FUNCTIONAL DIVERSITY OF MEDULLARY V2A NEURONS FOR LIMB AND CRANIAL NERVE-MEDIATED MOVEMENTS** 14:00 - 14:00
Speaker: Alexis d'Humières (France)
- PS06-28PM-445 **SEROTONERGIC NEURONS OF THE CAUDAL RAPHE CONTRIBUTE TO SENSORY PROCESSING DURING ADAPTIVE LOCOMOTION** 14:00 - 14:00
Speaker: Marie Yahia (France)
- PS06-28PM-446 **TRI-DIMENSIONAL KINEMATICS OF LOCOMOTOR STEERING STRATEGIES IN FREELY MOVING MICE** 14:00 - 14:00
Speaker: Edwin Gatier (France)
- PS06-28PM-447 **DISSECTING SWIM-TO-WALK TRANSITION AND ITS NEURAL BASIS DURING XENOPUS FROG METAMORPHOSIS** 14:00 - 14:00
Speaker: David Vijatovic (Austria)
- PS06-28PM-448 **ROSTROCAUDAL SPINAL CORD PATTERNING DURING THE SWIM-TO-LIMB TRANSITION OF XENOPUS METAMORPHOSIS** 14:00 - 14:00
Speaker: Stavros Papadopoulos (Austria)
- PS06-28PM-449 **THE SPATIAL PROJECTOME OF SPINAL NEURONS PROVIDES A NEW MODEL OF LOCOMOTION** 14:00 - 14:00
Speaker: August Winther (Denmark)
- PS06-28PM-450 **PAUSES IN MOVEMENT UNVEIL A SPINAL CONTINUOUS ATTRACTOR THAT GENERATES LOCOMOTION** 14:00 - 14:00
Speaker: Salif Komi (Denmark)
- PS06-28PM-451 **FROM ANATOMY TO FUNCTIONS IN LOCOMOTION: AN OPTOGENETIC INVESTIGATION ON THE ORGANISATION OF V2A-DERIVED RETICULOSPINAL NEURONS** 14:00 - 14:00
Speaker: Xinyu Jia (France)
- PS06-28PM-452 **THE RULES OF SYNAPTIC CONNECTIVITY BETWEEN MOTONEURONS** 14:00 - 14:00
Speaker: M Gorkem Ozyurt (United Kingdom)
- PS06-28PM-453 **BRAINSTEM CONTROL OF A STATE-DEPENDENT MOTOR RESPONSE REVERSAL IN XENOPUS LAEVIS TADPOLES** 14:00 - 14:00
Speaker: Valentina Saccomanno (United Kingdom)
- PS06-28PM-454 **NEUROMODULATION ROBUSTLY TUNES RHYTHMIC PATTERNS IN A FIXED CONNECTOME: APPLICATION TO GAIT CONTROL** 14:00 - 14:00
Speaker: Arthur Fyon (Belgium)
- PS06-28PM-455 **DECIPHERING THE ROLE OF INHIBITORY NETWORKS IN THE VESTIBULOSPINAL CONTROL OF POSTURE IN MICE AND XENOPUS** 14:00 - 14:00
Speaker: Léandre Lavenu (France)
- PS06-28PM-456 **NEURAL CONTROL OF MOVEMENT IN TRIBOLIUM CASTANEUM LARVAE** 14:00 - 14:00
Speaker: Bella Xu Ying (United Kingdom)
- PS06-28PM-457 **DISSECTING THE CONNECTIVITY MAP OF SPINAL ASCENDING PROJECTIONS** 14:00 - 14:00
Speaker: Sandrina Campos Maçãs (Germany)

PS06-28PM-458	NORADRENALINE-MEDIATED GLIAL CALCIUM WAVE: A PHYSIOLOGICAL FUSE EVOKING MOTOR ARREST	14:00 - 14:00
<i>Speaker:</i> Mahalakshmi Dhanasekar (France)		
PS06-28PM-459	TWO DISTINCT INHIBITORY NEURONAL CLASSES GOVERN ACQUISITION AND RECALL OF SPINAL SENSORIMOTOR LEARNING	14:00 - 14:00
<i>Speaker:</i> Charlotte Bichara (Belgium)		
PS06-28PM-460	MAPPING SENSORIMOTOR CIRCUIT UNDERLYING DEFENSIVE ACTIONS IN DROSOPHILA LARVA	14:00 - 14:00
<i>Speaker:</i> Md Amit Hasan (France)		
PS06-28PM-461	SUBSTRATE MECHANOSENSATION IN LOCOMOTION OF C. ELEGANS	14:00 - 14:00
<i>Speaker:</i> Aleksandra Pidde (Spain)		
PS06-28PM-462	INPUT AND OUTPUT CONNECTIVITY MATRIX OF CHX10-PPN NEURONS	14:00 - 14:00
<i>Speaker:</i> Stephan Dietrich (Denmark)		
PS06-28PM-463	DUAL ROLE OF THE MESENCEPHALIC LOCOMOTOR REGION IN MODULATING VISUALLY EVOKED ESCAPE RESPONSE	14:00 - 14:00
<i>Speaker:</i> Divya Rao (Denmark)		
PS06-28PM-464	MODELING THE TAIL-TO-LIMB-BASED SWIMMING TRANSITION IN THE XENOPUS FROG	14:00 - 14:00
<i>Speaker:</i> Alexia Wilson (Austria)		
PS06-28PM-465	ACTIVITY OF CORTICOSPINAL NEURONS DURING LOCOMOTION IN MICE	14:00 - 14:00
<i>Speaker:</i> Léa Favier (France)		
PS06-28PM-466	DISTRIBUTED ENCODING OF MOTOR COMMANDS MEDIATES RESPONSE TO ENVIRONMENTAL CONFINEMENT AND ESCAPE FROM PREDATORS	14:00 - 14:00
<i>Speaker:</i> Stephanie Josephine Eder (Austria)		
PS06-28PM-467	GENETIC SCREEN OF CARDINAL INTERNEURON FUNCTION IN SWIM AND LIMB BEHAVIOR OVER FROG METAMORPHOSIS	14:00 - 14:00
<i>Speaker:</i> Florina Alexandra Toma (Austria)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Mechanisms of Social Behaviour and Cognition		
PS06-28PM-001	DYNAMICS OF NEURONAL AND NON-NEURONAL CELLS IN LATERAL HABENULA IN RESPONSE TO THREATS	14:00 - 14:00
<i>Speaker:</i> Leo Michel (Switzerland)		
PS06-28PM-002	LONGITUDINAL ASSESSMENT OF BEHAVIOUR AND NEURONAL ACTIVITY IN THE LATERAL HABENULA IN A MOUSE MODEL OF DEPRESSION	14:00 - 14:00
<i>Speaker:</i> Patricia Molina Molina (Switzerland)		
PS06-28PM-003	PLASTICITY IN THE LATERAL HABENULA AFTER ADULT-NEWBORN INTERACTIONS	14:00 - 14:00
<i>Speaker:</i> Cheng-Hsi Wu (Switzerland)		
PS06-28PM-004	DYNAMIC INTEGRATION OF SPACE AND SOCIAL STATUS IN THE MAMMALIAN HYPOTHALAMUS	14:00 - 14:00
<i>Speaker:</i> Dorian Battivelli (Italy)		
PS06-28PM-005	ENCODING OF AVOIDANCE BEHAVIOURS FROM A SOCIAL THREAT IN THE VENTROMEDIAL HYPOTHALAMUS OF MALE AND	14:00 - 14:00

FEMALE MICE*Speaker:* Sukrita Deb (Italy)

PS06-28PM-006 **FUNCTIONAL ROLES OF PERIAQUEDUCTAL GRAY
PREPROENKEPHALIN CELLS IN DEFENSIVE BEHAVIOR** 14:00 - 14:00

Speaker: Valeria Mussetto (Italy)

PS06-28PM-007 **A BRAINSTEM NEURAL CIRCUIT FOR INSTINCTIVE ASSESSMENT
AND ESCAPE IN MICE** 14:00 - 14:00

Speaker: Irene Ayuso-Jimeno (Italy)

PS06-28PM-008 **ROLES OF DISTINCT AMYGDALAR PARVALBUMIN INTERNEURON
TYPES IN REGULATING FEAR AND ANXIETY** 14:00 - 14:00

Speaker: Cloé Lheraux (France)

PS06-28PM-009 **A HIPPOCAMPAL-HYPOTHALAMIC CIRCUIT FOR THE
PROCESSING OF ENVIRONMENTAL CUES DURING AGONISTIC
ENCOUNTERS** 14:00 - 14:00

Speaker: Alisson Pinto de Almeida (Germany)

PS06-28PM-010 **ROLE OF THE MEDIAL AMYGDALA GLUTAMATERGIC AND
GABAERGIC NEURONS DURING SOCIAL DEFEAT** 14:00 - 14:00

Speaker: Alicia Moraes Tamais (Brazil)

PS06-28PM-011 **THE DIFFERENTIAL ROLE OF THE SUBICULUM >
HYPOTHALAMIC PATHS IN DIVERSE CONTEXTUAL FEAR
RESPONSES TO A LIVE PREDATOR AND PHYSICALLY HARMFUL
EVENTS** 14:00 - 14:00

Speaker: Karolina Domingues (Brazil)

PS06-28PM-012 **THE PROTEOMIC PROFILE OF THE MIDBRAIN PERIAQUEDUCTAL
GRAY: IMPACT OF SEX AND SOCIAL ENVIRONMENT** 14:00 - 14:00

Speaker: Elena Kutsarova (Germany)

PS06-28PM-014 **NEURAL CORRELATES OF CARDIO-BEHAVIORAL DEFENSIVE
STATES IN THE PREFRONTAL CORTEX** 14:00 - 14:00

Speaker: César Redondo (Germany)

PS06-28PM-015 **INTEGRATION OF AUTONOMIC READOUTS TO STUDY NEURAL
EMOTIONAL STATES IN FREELY MOVING MICE** 14:00 - 14:00

Speaker: Jérémy Signoret-Genest (Germany)

PS06-28PM-016 **THREAT-DEPENDENT CARDIAC INTEROCEPTIVE SIGNALLING BY
GLYCINERGIC PERIAQUEDUCTAL GREY NEURONS** 14:00 - 14:00

Speaker: Sara Reis (Portugal)

PS06-28PM-017 **HYPOTHALAMIC-THALAMIC PATHWAYS ENABLE LEPTIN TO
REGULATE SOCIAL AND SEXUAL BEHAVIOURS** 14:00 - 14:00

Speaker: Anne Petzold (Germany)

PS06-28PM-018 **MOLECULAR AND NEURONAL MECHANISMS OF BEHAVIOURAL
INTEGRATION IN THE EXTENDED-AMYGDALA** 14:00 - 14:00

Speaker: Federica Fermani (Germany)

PS06-28PM-019 **RECORDING CORTICO-HYPOTHALAMIC PROJECTION NEURON
ACTIVITY IN MICE LIVING IN AN AUTOMATED NATURALISTIC
OPEN-DESIGN MAZE** 14:00 - 14:00

Speaker: Clara Hartmann (Netherlands)

PS06-28PM-020 **A ROLE OF PREFRONTAL INPUTS TO LATERAL HYPOTHALAMUS
IN COPING WITH STRESS** 14:00 - 14:00

Speaker: Alisa Bakhareva (Germany)

PS06-28PM-021 **ELEVATED REACTIVE AGGRESSION IN FOREBRAIN-SPECIFIC
CCN2 KNOCKOUT MICE** 14:00 - 14:00

Speaker: Li-Jen Lee (Taiwan)

PS06-28PM-022	INTERMALE AGGRESSION IS INHIBITED BY POSTERIOR INTRALAMINAR THALAMIC NEURONS IN RATS	14:00 - 14:00
<i>Speaker:</i> Tamás Láng (Hungary)		
PS06-28PM-023	EXPLORING THE EMOTIONAL SIDE OF TICKLISHNESS: INSIGHTS FROM INSULAR NEURONS	14:00 - 14:00
<i>Speaker:</i> Sarah Dagher (Germany)		
PS06-28PM-024	ADULT NEUROGENESIS REGULATES SOCIAL DOMINANCE AND ANXIETY	14:00 - 14:00
<i>Speaker:</i> Fabio Grieco (Switzerland)		
PS06-28PM-025	THE DYNAMIC STATE OF A PREFRONTAL-HYPOTHALAMIC-MIDBRAIN CIRCUIT COMMANDS BEHAVIOURAL TRANSITIONS	14:00 - 14:00
<i>Speaker:</i> Mahsa Altafi (Germany)		
PS06-28PM-026	NEUROTENSIN AND SOMATOSTATIN CELLS OF LATERAL SEPTUM ARE INVOLVED IN THE COMPLEMENTARY REGULATION OF SOCIAL AND FEEDING BEHAVIORS	14:00 - 14:00
<i>Speaker:</i> Dávid Keller (Germany)		
PS06-28PM-027	BIDIRECTIONAL CONTROL OF BLA-DMS AND PFC-DMS PROJECTIONS ON INNATE AVOIDANCE BEHAVIOUR IN MICE	14:00 - 14:00
<i>Speaker:</i> Luca Fralleoni (Italy)		
PS06-28PM-028	ENTORHINAL-AMYGDALA CIRCUITS SAFEGUARD SPATIAL OBJECT NAVIGATION	14:00 - 14:00
<i>Speaker:</i> Lukasz Piszczek (Austria)		
PS06-28PM-029	HYPOTHALAMIC CIRCUITS REGULATING HOME-DRIVEN AFFECTIVE BEHAVIORS	14:00 - 14:00
<i>Speaker:</i> Xiaoya Su (China)		
PS06-28PM-030	A POPULATION OF INSULA NEURONS ENCODES FOR SOCIAL PREFERENCE DURING SOCIAL ISOLATION	14:00 - 14:00
<i>Speaker:</i> Christelle Glangetas (France)		
PS06-28PM-031	ENGAGEMENT OF BASAL AMYGDALA-NUCLEUS ACCUMBENS NEURONS IN THE PROCESSING OF REWARDING OR AVERSIVE SOCIAL STIMULI	14:00 - 14:00
<i>Speaker:</i> Giulia Poggi (Switzerland)		
PS06-28PM-032	PEPTIDERGIC SIGNALING NETWORKS UNDERPINNING EXPERIENCE-DEPENDENT BEHAVIORAL CHANGES IN <i>C. ELEGANS</i>	14:00 - 14:00
<i>Speaker:</i> Sandeep Venkatraman (Belgium)		
PS06-28PM-033	ANATOMICAL, ELECTROPHYSIOLOGICAL AND FUNCTIONAL CHARACTERIZATION OF LATERAL SEPTAL CHOLINERGIC NEURONS	14:00 - 14:00
<i>Speaker:</i> Dániel Schlingloff (Hungary)		
PS06-28PM-034	ELECTROPHYSIOLOGICAL CHARACTERIZATION OF NEURONAL POPULATIONS IN THE POSTEROMEDIAL CORTICAL AMYGDALA	14:00 - 14:00
<i>Speaker:</i> Lorena Jiménez (Spain)		
PS06-28PM-035	THE CORTICAL AMYGDALA MEDIATES INDIVIDUAL RECOGNITION IN MICE	14:00 - 14:00
<i>Speaker:</i> Manuel Esteban Vila Martín (Spain)		
PS06-28PM-036	MOLECULAR AND CELLULAR EVOLUTION OF THE AMYGDALA ACROSS SPECIES ANALYZED BY SINGLE-NUCLEUS TRANSCRIPTOME PROFILING	14:00 - 14:00
<i>Speaker:</i> Lin Lin (China)		
PS06-28PM-037	AMYGDALA NEURONS DIFFERENTIATING UNFAMILIAR AND	14:00 - 14:00

FAMILIAR MICE TO ESTABLISH SOCIAL NOVELTY PREFERENCES*Speaker:* Shingo Soya (Japan)

PS06-28PM-038 **FUNCTIONAL HEMISPHERIC ASYMMETRY OF MEDIAL HABENULA IS ASSOCIATED WITH FEAR EXPRESSION VIA MODULATION OF GABA_B RECEPTOR SIGNALING IN MICE** 14:00 - 14:00

Speaker: Cihan Önal (Austria)

PS06-28PM-039 **INTEGRATION OF HUNGER AND HORMONAL STATE GATES INFANT-DIRECTED AGGRESSION** 14:00 - 14:00

Speaker: Mingran Cao (United Kingdom)

PS06-28PM-040 **SINGLE-UNIT RESPONSES TO DYNAMIC SALIENT NEGATIVE FACES IN THE HUMAN MEDIAL TEMPORAL LOBE** 14:00 - 14:00

Speaker: Alina Kiseleva (Switzerland)*Poster Sessions*

14:00 - 17:30

Posters

Poster Session 06 - Thalamic Connectivity Insights

PS06-28PM-494 **CONVERGENCE AND SEGREGATION OF AFFERENTS IN THE PARAVENTRICULAR THALAMIC NUCLEUS** 14:00 - 14:00

Speaker: Zsolt Buday (Hungary)

PS06-28PM-495 **EXCITATORY AND INHIBITORY INPUTS AND OF THE PARAVENTRICULAR THALAMIC NUCLEUS** 14:00 - 14:00

Speaker: Kata Kóta (Hungary)

PS06-28PM-496 **LARGE-SCALE SINGLE UNIT RECORDINGS IN THE DORSAL MIDLINE THALAMUS IN NATURALLY BEHAVING MICE** 14:00 - 14:00

Speaker: Gergely Komlosi (Hungary)

PS06-28PM-497 **A POSTERIOR THALAMIC NEURONAL GROUP PROJECTS TO THE MOUSE SUBCORTEX TO SHAPE MOTOR BEHAVIOR** 14:00 - 14:00

Speaker: Csenge Tóth-Kőrösi (Hungary)

PS06-28PM-498 **FUNCTIONAL ORGANIZATION OF MEDIAL ENTORHINAL CORTEX LAYER VI** 14:00 - 14:00

Speaker: Märt Rannap (Germany)

PS06-28PM-499 **INHIBITION OF PREFRONTAL-PROJECTING CLAUSTRUM NEURONS BY BASOLATERAL AMYGDALA** 14:00 - 14:00

Speaker: Ivan Lazarte (United Kingdom)

PS06-28PM-500 **SHARED ANATOMICAL PRINCIPLES OF THE PROJECTIONS FROM THE HIGHER-ORDER THALAMUS TO THE CORTEX** 14:00 - 14:00

Speaker: Andreas Huth (Germany)

PS06-28PM-501 **THALAMIC ENSEMBLE ACTIVITY DURING DISTINCT BEHAVIORS** 14:00 - 14:00

Speaker: Avi Adlakha (Germany)

PS06-28PM-502 **PROJECTIONS FROM THE VENTRAL NUCLEUS OF THE TRAPEZOID BODY TO ALL SUBDIVISIONS OF THE RAT COCHLEAR NUCLEUS** 14:00 - 14:00

Speaker: Mario Gómez Martínez (Spain)

PS06-28PM-503 **CONNECTOME OF THE NON-HUMAN PRIMATE CLAUSTRUM REVEALS A HUB FUNCTION FOR ORCHESTRATING INTER-AREAL PROCESSING** 14:00 - 14:00

Speaker: Julien Vezoli (France)

PS06-28PM-504 **3D ULTRASTRUCTURAL CONTRIBUTIONS TO THE CONNECTIVITY OF THE HUMAN CEREBRAL CORTEX** 14:00 - 14:00

Speaker: Nicolas Cano-Astorga (Spain)

PS06-28PM-505	SUBCORTICAL NODES MEDIODORSAL THALAMUS AND VENTRAL PALLIDUM CONTRIBUTE TO THE DEFAULT MODE NETWORK REGULATION	14:00 - 14:00
<i>Speaker:</i> Yilei Zhao (Switzerland)		
PS06-28PM-506	CORTICAL LAYER 6 MEDIATES INTRA- AND INTER-HEMISPHERIC CONNECTIVITY AND ITS HIERARCHAL ORGANISATION	14:00 - 14:00
<i>Speaker:</i> Simon Weiler (United Kingdom)		
PS06-28PM-507	THE IMPACT OF THE RETINOTOPIC SUBDIVISIONS OF AREA V1 ON SHAPING THE MACAQUE CONNECTOME	14:00 - 14:00
<i>Speaker:</i> Yujie Hou (France)		
PS06-28PM-508	ANATOMICAL ORGANIZATION OF GENETICALLY-DEFINED PREFRONTAL PROJECTIONS TO SENSORY CORTICES	14:00 - 14:00
<i>Speaker:</i> Felix Jung (Sweden)		
PS06-28PM-509	IMBALANCED INHIBITION IN PREFRONTAL CORTICO-THALAMIC CIRCUITS VIA THALAMIC RETICULAR NUCLEUS	14:00 - 14:00
<i>Speaker:</i> Ece Sakalar (United States)		
PS06-28PM-510	LAYER-SPECIFIC MICROCIRCUIT SYNAPTIC ULTRASTRUCTURE COMPARISON OF SENSORY FIRST AND HIGHER ORDER THALAMOCORTICAL PROJECTIONS INTO SOMATOSENSORY CORTICES	14:00 - 14:00
<i>Speaker:</i> Pablo J. Martin-Correa (Spain)		
PS06-28PM-511	BRAINSTEM PROJECTIONS IN THE VESTIBULO-THALAMIC PATHWAYS OF THE ADULT MICE	14:00 - 14:00
<i>Speaker:</i> Louise Schenberg (France)		
PS06-28PM-512	SPECIALIZED CORTICOTHALAMIC CONNECTIONS BETWEEN THE LAYER 5 OF THE FRONTAL CORTEX AND THE THALAMUS	14:00 - 14:00
<i>Speaker:</i> Hajnalka Bokor (Hungary)		
PS06-28PM-513	ORGANIZATION OF EXCITATORY AFFERENTS IN THE ANTERIOR PART OF THE HUMAN THALAMUS	14:00 - 14:00
<i>Speaker:</i> László Acsády (Hungary)		
PS06-28PM-514	SUBCORTICAL AND CORTICAL INPUTS TO ANTERIOR INSULA AND CLAUSTRUM IN MACAQUE AND MOUSE SUGGEST POSSIBLE SPECIES-SPECIFIC IMPLICATIONS FOR THE ROLE OF INTEROCEPTIVE INFERENCE IN CONSCIOUSNESS	14:00 - 14:00
<i>Speaker:</i> Zhaoke Luo (France)		
PS06-28PM-515	THE OLIVO-THALAMIC PROJECTIONS: DOES THE AUDITORY THALAMUS HAVE A NEED FOR SPEED?	14:00 - 14:00
<i>Speaker:</i> Héctor Rincón (Spain)		
<i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Neurodevelopmental, Maturation and related Disorders		
PS06-28PM-208	THE ROLE OF DNMT3A IN NEURONAL FUNCTION AND ITS POTENTIAL FOR REVERSING COGNITIVE DEFICITS IN TBRS	14:00 - 14:00
<i>Speaker:</i> Stefanos Loizou (Germany)		
PS06-28PM-209	BULK RNA SEQUENCING ANALYSIS TO FOLLOW THE NEURONAL MATURATION OF AHDS ORGANIDS	14:00 - 14:00
<i>Speaker:</i> Eros Rossi (Italy)		
PS06-28PM-210	TARGETING MITOCHONDRIAL METABOLISM TO RESTORE NEURONAL MATURATION IN A MURINE BRAIN ORGANOID MODEL OF ALLAN-HERNDON-DUDLEY SYNDROME (AHDS)	14:00 - 14:00
<i>Speaker:</i> Benedetta Lucidi (Italy)		

PS06-28PM-211	HUMAN IPSC-DERIVED NEURONS TO INVESTIGATE SUBTYPE SPECIFIC ALTERATIONS IN NEURODEVELOPMENTAL DISORDERS: OUR PROGRESS ON SSADH DEFICIENCY	14:00 - 14:00
<i>Speaker:</i> Wardiya Afshar Saber (United States)		
PS06-28PM-212	EXPLORING NEUROINFLAMMATORY SIGNS IN A ZEBRAFISH MODEL OF MUCOPOLYSACCHARIDOSIS TYPE II: EARLY CUES INTO PATHOGENIC MECHANISMS	14:00 - 14:00
<i>Speaker:</i> Maria Carla Macario (Italy)		
PS06-28PM-213	MODELLING MSA DISEASE THROUGH THE GENERATION OF BRAIN ORGANIDS	14:00 - 14:00
<i>Speaker:</i> Manuela Magni (Italy)		
PS06-28PM-214	MOUSE HIPPOCAMPAL SLICE CULTURES AS AN EX VIVO MODEL FOR INVESTIGATING SGSH ENZYME REPLACEMENT THERAPY IN DIFFERENT BRAIN CELL TYPES	14:00 - 14:00
<i>Speaker:</i> Signe Lyngby (Denmark)		
PS06-28PM-215	IDENTIFICATION OF THE PATHOGENIC MECHANISMS OF SIN3A HAPLOINSUFFICIENCY IN WITTEVEEN-KOLK SYNDROME	14:00 - 14:00
<i>Speaker:</i> Sara Sebastiani (Netherlands)		
PS06-28PM-216	UNDERSTANDING THE PATHOGENIC MECHANISMS UNDERLYING A RARE GENETIC FORM OF HEREDITARY SPASTIC PARAPLEGIA (AKA SINO SYNDROME) CAUSED BY MUTATIONS IN THE <i>KIDINS220</i> GENE	14:00 - 14:00
<i>Speaker:</i> Fabrizia Cesca (Italy)		
PS06-28PM-217	SEMA-GENE MODULATION AS A STRATEGY TO IDENTIFY DRUGGABLE TARGETS FOR THE TREATMENT OF CHARGE SYNDROME	14:00 - 14:00
<i>Speaker:</i> Federica Amoruso (Italy)		
PS06-28PM-218	LOCALIZATION AND FUNCTION OF THE NA⁺/H⁺ EXCHANGER NHE6 (SLC9A6) IN PRIMARY NEURONS	14:00 - 14:00
<i>Speaker:</i> Lara Sach (Denmark)		
PS06-28PM-219	UNRAVELING SLC13A5 AND CITRATE METABOLISM IN DEVELOPMENTAL EPILEPTIC ENCEPHALOPATHIES	14:00 - 14:00
<i>Speaker:</i> Vittoria Mariano (Austria)		
PS06-28PM-220	ALLAN-HERNDON-DUDLEY SYNDROME - UNCOVERING DISEASE MECHANISMS OF MCT8-DEFICIENCY IN THE HYPOTHYROID DEVELOPING BRAIN USING SNRNASEQ	14:00 - 14:00
<i>Speaker:</i> Anna Molenaar (Germany)		
PS06-28PM-221	HIGH-SENSITIVITY QUANTIFICATION OF AAV NEUTRALIZATION FROM PRECLINICAL MODEL AND HUMAN SERA	14:00 - 14:00
<i>Speaker:</i> Beatrix Kovács (Hungary)		
PS06-28PM-222	DEVELOPING GENE THERAPY VECTOR FOR THE TREATMENT OF CREATINE TRANSPORTER DEFICIENCY SYNDROME	14:00 - 14:00
<i>Speaker:</i> Ludovica Iovino (Italy)		
PS06-28PM-223	INSIGHTS INTO CTBP1 DYSFUNCTION IN HADDTS: LINKING THE METABOLIC AND NEURODEVELOPMENTAL DYSFUNCTION	14:00 - 14:00
<i>Speaker:</i> Enes Yagiz Akdas (Germany)		
PS06-28PM-224	SINGLE-CELL CRISPR SCREENING IN CEREBRAL ORGANIDS IDENTIFIES DEVELOPMENTAL AND CELL TYPE-SPECIFIC DEFECTS OF AUTISM	14:00 - 14:00
<i>Speaker:</i> Jan Themann (Austria)		
PS06-28PM-225	THE IMPACT OF AUTISM SPECTRUM DISORDER-RISK GENES ON HUMAN NEURAL STEM CELL PROLIFERATION AND SURVIVAL	14:00 - 14:00

Speaker: Francesca Barbieri (Austria)

PS06-28PM-226 **PATIENT-DERIVED IPSC MODELING OF PRADER-WILLI SYNDROME** 14:00 - 14:00

Speaker: Simone Alberti (Italy)

PS06-28PM-227 **CLINICAL AND GENETIC SPECTRUM OF CHILDHOOD-ONSET LEUKODYSTROPHIES: FINDINGS FROM AN IN-HOUSE TARGETED GENE PANEL STUDY** 14:00 - 14:00

Speaker: YASHU SHARMA (India)

PS06-28PM-228 **DOPAMINERGIC TREATMENTS FOR AUTISTIC-LIKE BEHAVIOUR IN LYSOSOMAL STORAGE DISORDERS: PRECLINICAL AND CLINICAL EVIDENCE** 14:00 - 14:00

Speaker: Maria De Risi (Telethon Institute of genetics and Medicine (TIGEM), Fondazione Telethon, Italy)

PS06-28PM-229 **"ANALYSIS OF THE IMPACT OF MNCL₂ PRESENT IN ATMOSPHERIC PARTICULATES ON SYNAPTIC DEVELOPMENT USING BRAIN MODELS BASED ON HIPSCS DERIVED NEURONS"** 14:00 - 14:00

Speaker: Erica Debbi (Italy)

PS06-28PM-230 **A SINGLE CELL MULTIOMIC ATLAS OF HUMAN CORTICAL DEVELOPMENT IN DOWN SYNDROME IDENTIFIES CANDIDATE MECHANISMS UNDERLYING INTELLECTUAL DISABILITY** 14:00 - 14:00

Speaker: Michael Lattke (United Kingdom)

PS06-28PM-231 **ESTABLISHING AN EXPERIMENTAL SGRNA EXPRESSION SCREENING ASSAY FOR CRISPR ACTIVATION IN VITRO** 14:00 - 14:00

Speaker: Elin Arvidsson (Sweden)

PS06-28PM-232 **MECHANISMS AND THERAPEUTIC APPROACHES FOR SETD5 SYNDROME** 14:00 - 14:00

Speaker: Georgia Chaldaiopoulou (United States)

PS06-28PM-233 **CYSTATHIONINE BETA-SYNTHASE AND H₂S LEVELS ARE INCREASED IN CELLULAR MODELS OF TRISOMY 21** 14:00 - 14:00

Speaker: Rafaela Agostinho (Portugal)

PS06-28PM-234 **DYSREGULATION OF FLVCR1-DEPENDENT MITOCHONDRIAL CALCIUM HANDLING IN NEURAL STEM CELLS CAUSES CONGENITAL HYDROCEPHALUS** 14:00 - 14:00

Speaker: Diletta Isabella Zanin Venturini (Italy)

PS06-28PM-235 **THE ROLE OF THE ASD-ASSOCIATED 16P11.2 GENE QPRT DURING DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELL-DERIVED CEREBRAL ORGANIDS** 14:00 - 14:00

Speaker: Denise Haslinger (Germany)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Substance Use

PS06-28PM-162 **DIFFERENT MECHANISMS UNDERLIE COMPULSIVE ALCOHOL SELF-ADMINISTRATION IN MALE AND FEMALE RATS** 14:00 - 14:00

Speaker: Esi Domi (Sweden)

PS06-28PM-164 **MECHANISMS OF LITHIUM-INDUCED THIRST** 14:00 - 14:00

Speaker: Dejjiao Xu (China)

PS06-28PM-165 **EFFECTS OF REPEATED STIMULATION OF CB1 RECEPTORS IN THE NUCLEUS ACCUMBENS AND IN THE LATERAL HYPOTHALAMUS ON LONG-TERM FOOD PREFERENCE IN ADOLESCENT RATS** 14:00 - 14:00

Speaker: Emmanuelle Person (Canada)

PS06-28PM-166	UNRAVELING THE ROLE OF PARAVENTRICULAR THALAMIC GLUCAGON-LIKE PEPTIDE-1 RECEPTORS ON ALCOHOL-RELATED BEHAVIORS IN RODENTS	14:00 - 14:00
<i>Speaker:</i> Cajsa Aranäs (Sweden)		
PS06-28PM-167	SOCIAL DRINKING: REWARD-RELATED BRAIN FUNCTION AND DAILY LIFE CORRELATES	14:00 - 14:00
<i>Speaker:</i> Oksana Berhe (Germany)		
PS06-28PM-168	THE LONG-TERM EFFECTS OF ADOLESCENT SOCIAL STRESS ON ALCOHOL-RELATED BEHAVIORS IN ADULTHOOD	14:00 - 14:00
<i>Speaker:</i> Sofia Vellere (Italy)		
PS06-28PM-169	INVOLVEMENT OF THE BASOLATERAL AND CENTRAL AMYGDALA IN STRESS-INDUCED ETHANOL INTAKE IN FEMALE MICE	14:00 - 14:00
<i>Speaker:</i> Vernon Garcia-Rivas (United States)		
PS06-28PM-170	AN AUTOMATED GROUP-HOUSED ORAL FENTANYL SELF-ADMINISTRATION METHOD IN MICE	14:00 - 14:00
<i>Speaker:</i> Noa Perez-Rivlin (Israel)		
PS06-28PM-171	PLASMA CORTISOL LEVELS OF MALE AND FEMALE RATS WITH DIFFERENT LEVEL OF EXPERIENCE WITH ETHANOL	14:00 - 14:00
<i>Speaker:</i> Lourdes de la Torre (Spain)		
PS06-28PM-172	CHRONIC COCAINE EXPOSURE MODULATES DECISION-MAKING IN MICE IN A SEX-DEPENDENT MANNER	14:00 - 14:00
<i>Speaker:</i> Abhishek Shankar Balakrishnan (Denmark)		
PS06-28PM-173	CHRONIC ALCOHOL INTOXICATION INDUCES SOCIAL DOMINANCE AND AGGRESSIVE BEHAVIOR IN MALE MICE. MECHANISTIC AND THERAPEUTIC APPROACH	14:00 - 14:00
<i>Speaker:</i> Mohamed zahran (Spain)		
PS06-28PM-174	SEXUAL DIMORPHISM IN COMPULSIVE ALCOHOL DRINKING AND ITS IMPACT ON PATHOLOGICAL GAMBLING AND SOCIAL DOMINANCE: A PRECLINICAL STUDY	14:00 - 14:00
<i>Speaker:</i> Manuela Olmedo Córdoba (Spain)		
PS06-28PM-176	ROLE OF <i>PRDM2</i> THROUGH THE PREFRONTAL PROJECTION IN STRESS-INDUCED REINSTATEMENT OF ALCOHOL SEEKING: AN EPIGENETIC MECHANISM WITH TRANSLATIONAL POTENTIAL	14:00 - 14:00
<i>Speaker:</i> Kanat Chanthongdee (Sweden)		
PS06-28PM-177	THE MU-OPIOID RECEPTORS IN THE VENTRAL TEGMENTAL AREA CONTRIBUTE TO THE HIGH HEROIN PREFERENCE SHOWN BY MARCHIGIAN SARDINIAN ALCOHOL PREFERRING RATS	14:00 - 14:00
<i>Speaker:</i> Hela Mrizak (Italy)		
PS06-28PM-178	SELECTIVE INHIBITION OF PHOSPHODIESTERASE 7 ENZYMES REDUCES ALCOHOL DRINKING AND SEEKING IN ANIMAL MODELS OF ALCOHOL USE DISORDERS	14:00 - 14:00
<i>Speaker:</i> Martina Palma (Italy)		
PS06-28PM-179	CAPTURING THE BENZODIAZEPINE TOLERANCE IN MICE: TREATMENT DURATION AND GENDER AS KEY DETERMINANTS	14:00 - 14:00
<i>Speaker:</i> Fatma Taha (United Kingdom)		
PS06-28PM-180	EXAMINATION OF ADOLESCENT CANNABINOID VAPOUR EXPOSURE EFFECTS ON BEHAVIOURAL PREDICTORS OF ADDICTION AND ALCOHOL USE DISORDER FEATURES IN ADULT MALE AND FEMALE RATS	14:00 - 14:00
<i>Speaker:</i> Jairo Steffan Acosta-Vargas (Spain)		

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Prenatal Exposure Effects

- PS06-28PM-062 **PRENATAL ETHANOL EXPOSURE INDUCES LONG-TERM HIPPOCAMPAL AMPAERGIC DYSFUNCTION** 14:00 - 14:00
Speaker: Lorenzo Curti (Italy)
- PS06-28PM-063 **PRENATAL ALCOHOL EXPOSURE (PAE) LEADS TO DYSFUNCTIONAL FORMATION OF EXCITATORY SYNAPSES AND SOCIAL IMPAIRMENTS IN ADOLESCENT MICE** 14:00 - 14:00
Speaker: Elisabetta Gerace (Italy)
- PS06-28PM-064 **NEUROTROPHINS IN ADOLESCENT BRAIN RAT ARE NOT ALTERED BY METHAMPHETAMINE EXPOSURE DURING EARLY POSTNATAL PERIOD** 14:00 - 14:00
Speaker: Romana Šlamberová (Czech Republic)
- PS06-28PM-065 **DOES METHAMPHETAMINE EXPOSURE ALTER HIPPOCAMPAL NEUROGENESIS DURING PREWEANING PERIOD OF LABORATORY RAT?** 14:00 - 14:00
Speaker: Barbora Čechová (Czech Republic)
- PS06-28PM-066 **EXPLORING THE ROLE OF OMEGA-3/OMEGA-6 BALANCE IN LONG-LASTING CHANGES IN MICROGLIA CAUSED BY INTERMITTENT ALCOHOL CONSUMPTION DURING ADOLESCENCE** 14:00 - 14:00
Speaker: Garazi Ocerin (Spain)
- PS06-28PM-067 **OMEGA-3 FATTY ACIDS POTENTIATE THE ENDOCANNABINOID-DEPENDENT SYNAPTIC PLASTICITY LOST AFTER ADOLESCENT BINGE DRINKING IN MALE MOUSE DENTATE GYRUS** 14:00 - 14:00
Speaker: Maitane Serrano (Spain)
- PS06-28PM-068 **MATERNAL IMMUNE ACTIVATION INCREASES GOAL-TRACKING, IMPAIRS DECISION-MAKING AND LOWERS PREFERENCE FOR ETHANOL OVER AN ALTERNATIVE REWARD IN RATS** 14:00 - 14:00
Speaker: Alejandro Higuera-Matas (Spain)
- PS06-28PM-069 **DIFFERENTIAL NEUROINFLAMMATORY RESPONSES TO IMMUNE CHALLENGES IN MALE AND FEMALE RATS PRENATALLY EXPOSED TO ALCOHOL** 14:00 - 14:00
Speaker: Carolina Luft (Canada)
- PS06-28PM-070 **NEONATAL HANDLING AGE-DEPENDENTLY MODULATES SOCIAL INTERACTION, PREPULSE INHIBITION AND FRONTOCORTICAL EXPRESSION OF SYNAPTIC AND NEUROPLASTICITY MARKERS IN A GENETIC RAT MODEL OF SCHIZOPHRENIA-RELEVANT FEATURES** 14:00 - 14:00
Speaker: natalia peralta (Spain)
- PS06-28PM-071 **A MATERNAL DIET ENRICHED WITH AFRICAN WALNUTS CONFERS NEURODEVELOPMENTAL RESILIENCE TO MNCL₂-INDUCED NEUROTOXIC CASCADES IN RATS** 14:00 - 14:00
Speaker: Tolulope Arogundade (Nigeria)
- PS06-28PM-072 **THE TRUE COST OF AIR POLLUTION ON NEURODEVELOPMENTAL DISORDERS: POSTNATAL PM10 EXPOSURE IMPAIRS NORMAL DEVELOPMENT IN TRANSGENIC APOE MICE** 14:00 - 14:00
Speaker: Rocío Rodulfo Cárdenas (Spain)
- PS06-28PM-073 **IMPAIRED EXPRESSION OF THE PLACENTAL ANGIOGENIC FACTOR CD146 BY PRENATAL ALCOHOL EXPOSURE RESULTS IN DISORGANIZED FOETAL BRAIN VASCULATURE AND NEURODEVELOPMENTAL DEFECTS** 14:00 - 14:00
Speaker: Maryline Lecointre (France)

PS06-28PM-074	IMPAIRMENT OF THE PLACENTA-CORTEX TRANSCRIPTOMIC SIGNATURE FOLLOWING PRENATAL ALCOHOL EXPOSURE, LEADING TO DYSREGULATION OF ANGIOGENIC PATHWAYS	14:00 - 14:00
<i>Speaker:</i> Anthony Falluel-Morel (France)		
PS06-28PM-075	EXPOSURE TO NANOPLASTICS INDUCES ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD)-LIKE PHENOTYPE	14:00 - 14:00
<i>Speaker:</i> Anaïs Vignon (France)		
PS06-28PM-076	HIGH AND LOW FREQUENCIES OF BINGE-LIKE ETHANOL EXPOSURE IN RAT DISRUPT MGLUR-LTD IN HIPPOCAMPUS SLICES IN A BIDIRECTIONAL WAY: ROLE OF MTOR	14:00 - 14:00
<i>Speaker:</i> Margot Debris (France)		
PS06-28PM-077	FASTING EXPOSURE DURING EARLY PREGNANCY ELICITS SCHIZOPHRENIA-LIKE BEHAVIORAL CHANGES IN MALE OFFSPRING ASSOCIATED WITH IMPAIRED SYNAPTIC SPINE DENSITY	14:00 - 14:00
<i>Speaker:</i> Hongbo Wang (Japan)		
PS06-28PM-078	MATERNAL C-REACTIVE PROTEIN IS ASSOCIATED WITH WHITE MATTER ALTERATIONS IN FEMALE OFFSPRING: A NEUROIMAGING ANALYSIS FROM THE FINNBRAIN BIRTH COHORT STUDY	14:00 - 14:00
<i>Speaker:</i> Aaron Barron (Finland)		
PS06-28PM-079	EFFECT OF MATERNAL IMMUNE ACTIVATION ON RAT PUP DEVELOPMENT	14:00 - 14:00
<i>Speaker:</i> Klára Tučková (Czech Republic)		
PS06-28PM-080	MINOCYCLINE RESCUE SELECTIVELY HIPPOCAMPUS MGLUR_{1/5}-LTD IN ADOLESCENT RAT AFTER REPEATED ETHANOL EXPOSURE	14:00 - 14:00
<i>Speaker:</i> Olivier Pierrefiche (France)		
PS06-28PM-081	EFFECT OF CHRONIC PRENATAL EXPOSURE TO VAPORIZED CANNABIS ON THE DEVELOPMENT AND FUNCTIONALITY OF THE HIPPOCAMPUS	14:00 - 14:00
<i>Speaker:</i> Andrea Cairus (Uruguay)		
PS06-28PM-082	IMPACT OF VARYING MATERNAL PERIGESTATIONAL DIETARY FOLATE INTAKE ON THE DEVELOPMENT OF CEREBELLAR CORTEX IN RAT OFFSPRING	14:00 - 14:00
<i>Speaker:</i> Philip Mwachaka (Kenya)		
PS06-28PM-083	MATERNAL INFECTION DURING PREGNANCY INDUCES FETAL NEUROINFLAMMATION, ASSOCIATED WITH PREMATURE OLIGODENDROCYTE DIFFERENTIATION AND MYELIN FORMATION, DRIVEN BY EPIGENETIC CHANGES IN OLIGODENDROCYTE-SPECIFIC GENES	14:00 - 14:00
<i>Speaker:</i> Rebecca Woods (United Kingdom)		
PS06-28PM-084	HEAVY ALCOHOL DRINKING DURING ADOLESCENCE COMPROMISES GABAERGIC INHIBITION IN ADULT MOUSE DENTATE GYRUS GRANULE CELLS	14:00 - 14:00
<i>Speaker:</i> Fang Zheng (Germany)		
PS06-28PM-085	IMPACT OF ADVANCED PARENTAL AGE IN THE SUSCEPTIBILITY OF OFFSPRING TO NEURODEGENERATIVE DISEASES	14:00 - 14:00
<i>Speaker:</i> Jyoti Mishra (India)		
PS06-28PM-086	THE DEVELOPMENTAL EFFECTS OF REPEATED ANTENATAL DEXAMETHASONE TREATMENT ON ADP-MEDIATED AND ADENOSINERGIC SIGNALING SYSTEM IN THE AUDITORY BRAINSTEM OF C57BL/6 MICE	14:00 - 14:00
<i>Speaker:</i> Dunja Dimitrijević (Serbia)		

PS06-28PM-087	LONG-LASTING EFFECTS OF PRENATAL DELTA-9-TETRAHYDROCANNABINOL EXPOSURE IN YOUNG RAT OFFSPRING	14:00 - 14:00
<i>Speaker:</i> Serena Di Martino (Italy)		
PS06-28PM-088	LONG-TERM CONSEQUENCES OF CANNABINOID RECEPTOR ACTIVATION DURING ADOLESCENCE ON PFC NETWORK ACTIVITY AND COGNITIVE FUNCTIONS	14:00 - 14:00
<i>Speaker:</i> Anaïs Notario Reinoso (Netherlands)		
PS06-28PM-089	INFLUENZA INDUCED MATERNAL INFLAMMATION AND EFFECT ON CORTICAL DEVELOPMENT	14:00 - 14:00
<i>Speaker:</i> Nathalia Cardozo da Conceicao (Denmark)		
PS06-28PM-090	TOXIC EFFECTS OF ENVIRONMENTAL-RELEVANT EXPOSURE TO POLYETHYLENE TEREPHTHALATE (PET) MICRO AND NANOPARTICLES IN ZEBRAFISH EARLY DEVELOPMENT	14:00 - 14:00
<i>Speaker:</i> Mauricio Reis Bogo (Brazil)		
 <i>Poster Sessions</i>		
14:00 - 17:30		Posters
Poster Session 06 - Neuronal Circuit Development		
PS06-28PM-336	ACTIVITY-DEPENDENT REGULATION OF CLUSTERED GAMMA PROTOCADHERINS (C-IPCDH) EXPRESSION DURING CIRCUIT ASSEMBLY IN PURKINJE CELLS	14:00 - 14:00
<i>Speaker:</i> Elena Baz Badillo (France)		
PS06-28PM-337	PROTEOMIC AND TRANSCRIPTOMIC ANALYSIS OF ID2- AND ASCL4-INDUCED WIRING IN ADULT HIPPOCAMPAL GRANULE CELLS	14:00 - 14:00
<i>Speaker:</i> Charlotte Seng (Switzerland)		
PS06-28PM-338	TEMPORAL DYNAMICS OF PRESYNAPTIC BRP AND POSTSYNAPTIC (GLURIID) PROTEINS IN DROSOPHILA LARVAL SYNAPSES	14:00 - 14:00
<i>Speaker:</i> Rukiye Karatepe (Turkey)		
PS06-28PM-339	VERY-LONG-CHAIN FATTY ACIDS ARE CRUCIAL TO NEURONAL POLARITY THROUGH LIPID RAFTS	14:00 - 14:00
<i>Speaker:</i> Michihiro Igarashi (Japan)		
PS06-28PM-340	FATE MAPPING THE EARLIEST SUBSET OF NEURONS IN THE MOUSE CEREBELLAR NUCLEI	14:00 - 14:00
<i>Speaker:</i> Farshid Ghiyamihoor (Canada)		
PS06-28PM-341	THE ROLE OF GABAERGIC INPUTS AND CHLORIDE TRANSPORTERS IN THE ACTIVATION AND DEATH OF DIFFERENT CAJAL-RETZIUS NEURON SUBPOPULATIONS	14:00 - 14:00
<i>Speaker:</i> Federico De Rosa (Germany)		
PS06-28PM-342	UNDERSTANDING THE FUNCTIONS OF CLAUDINS IN PRIMARY NEURONS	14:00 - 14:00
<i>Speaker:</i> Tripti Seth (India)		
PS06-28PM-343	CONTACTIN2: MYELINATION DYNAMICS AND SYNAPTIC PLASTICITY IN HIPPOCAMPAL INTERNEURONS	14:00 - 14:00
<i>Speaker:</i> Sofia Petsangouraki (Greece)		
PS06-28PM-344	A NEW TRANSGENIC MOUSE LINE FOR THE VISUALIZATION OF ENDOGENOUS BIOTINYLATED NEUROLIGIN-1	14:00 - 14:00
<i>Speaker:</i> Charles Ducrot (France)		
PS06-28PM-345	SPATIOTEMPORAL DISTRIBUTION OF APOPTOSIS ACROSS THE DEVELOPING MURINE CORTEX	14:00 - 14:00

Speaker: Anne Sinning (Germany)

PS06-28PM-346 **EMERGENCE OF CEREBELLAR SPONTANEOUS ACTIVITY PATTERNS DURING EMBRYONIC AND POSTNATAL DEVELOPMENT** 14:00 - 14:00

Speaker: Martina Riva (Spain)

PS06-28PM-347 **LOCAL NEURONAL SILENCING AND ITS EFFECTS ON CORTICAL ACTIVITY AND DEVELOPMENTAL CELL DEATH** 14:00 - 14:00

Speaker: Elena Nigi (Germany)

PS06-28PM-348 **TRANSCRIPTIONAL COACTIVATORS SHUTTLE BETWEEN NEURONAL IDENTITY AND ACTIVITY-DRIVEN REGULATORY REGIONS DURING NEURONAL ACTIVATION** 14:00 - 14:00

Speaker: Sergio Niñerola (Spain)

PS06-28PM-349 **CYPIN REGULATES SYNAPTIC CONTENT VIA K63-LINKED POLYUBIQUITINATION** 14:00 - 14:00

Speaker: Bonnie Firestein (United States)

PS06-28PM-350 **FLOOR PLATE CYTOSOL SIGNALING IS REQUIRED FOR COMMISSURAL AXON GUIDANCE** 14:00 - 14:00

Speaker: Alexandre Dumoulin (Switzerland)

PS06-28PM-351 **A NEW ROLE OF KAINATE RECEPTORS AS SYNAPTIC ORGANIZERS FOR CLIMBING FIBER-PURKINJE CELL SYNAPSES IN THE CEREBELLUM** 14:00 - 14:00

Speaker: Ana V. Paternain (Spain)

PS06-28PM-352 **AN UNCONVENTIONAL PARACRINE PATHWAY FOR THE DEVELOPMENT AND MAINTENANCE OF SYNAPTIC INHIBITION AT A CENTRAL SYNAPSE** 14:00 - 14:00

Speaker: Zhiqiang Liu (Netherlands)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Signalling Pathways and Mental Health

PS06-28PM-041 **DIFFERENTIAL EFFECTS OF PSYCHEDELICS AND CLASSICAL ANTIDEPRESSANTS ON TRKB DIMERIZATION AND NEUROTROPHIC SIGNALLING** 14:00 - 14:00

Speaker: Paula Pastor Muñoz (Finland)

PS06-28PM-042 **INTERACTION OF BDNF AND GLUCOCORTICOID SIGNALING IN SHAPING NEURONAL PLASTICITY** 14:00 - 14:00

Speaker: Cecilia Anna Brunello (Finland)

PS06-28PM-043 **MODULATION OF THE DEFAULT MODE NETWORK HUB IN THE MOUSE BRAIN BY LYSERGIC ACID DIETHYLAMIDE: INSIGHTS FROM FUNCTIONAL IMAGING** 14:00 - 14:00

Speaker: Anais Virenque (Finland)

PS06-28PM-044 **NEURAL PLASTICITY IN SOMATOSTATIN-EXPRESSING INTERNEURONS TO SUPPRESS COCAINE-SEEKING BEHAVIOUR** 14:00 - 14:00

Speaker: Giuliano Didio (Finland)

PS06-28PM-045 **EFFECT OF ENVIRONMENTAL ENRICHMENT ON NEUROPLASTICITY** 14:00 - 14:00

Speaker: Katja Kaurinkoski (Finland)

PS06-28PM-046 **SELECTIVE EFFECTS OF PSILOCIN ON CORTICO-AMYGDALAR NEURONS MEDIATED BY 5HT2A AND 5HT1A RECEPTORS** 14:00 - 14:00

Speaker: Matthew Claydon (United Kingdom)

PS06-28PM-047 **EXTRACELLULAR MATRIX AND SHARP WAVE RIPPLE COMPLEX** 14:00 - 14:00

CHANGES FOLLOWING TREATMENT WITH ZURANOLONE*Speaker:* Samantha Deasy (United States)

PS06-28PM-048 **SYNAPTIC PHOSPHOPROTEOME SIGNATURE EVOKED BY HALLUCINOGENIC AGONIST STIMULATION OF THE 5-HT_{2A} RECEPTOR** 14:00 - 14:00

Speaker: Tomas del Olmo (France)

PS06-28PM-049 **SALT-INDUCED KINASE 3 IS ACTIVATED UPON MGLU₂ RECEPTOR STIMULATION AND EXERTS A NEGATIVE FEEDBACK ON THE RECEPTOR CANONICAL SIGNALING** 14:00 - 14:00

Speaker: Candice Disdier (France)

PS06-28PM-050 **TRKB RECEPTOR INTERACTS WITH MGLU₂ RECEPTOR AND MEDIATES ANTIPSYCHOTIC-LIKE EFFECTS OF MGLU₂ RECEPTOR ACTIVATION IN THE MOUSE** 14:00 - 14:00

Speaker: Franck Vandermoere (France)

PS06-28PM-051 **ANTIDEPRESSANT-LIKE EFFECTS OF PSYCHEDELICS IN A CHRONIC DESPAIR MOUSE MODEL: IS THE 5-HT_{2A} RECEPTOR THE UNIQUE PLAYER?** 14:00 - 14:00

Speaker: Mehdi Sekssaoui (France)

PS06-28PM-052 **NEURODEVELOPMENTAL ROLES OF THE SEROTONIN 5-HT₆ RECEPTOR IN A CORTICOGENESIS MODEL FROM MOUSE EMBRYONIC STEM CELLS** 14:00 - 14:00

Speaker: Clémence Quittet (France)

PS06-28PM-053 **ACUTE BEHAVIORAL AND NEURONAL EFFECTS FROM PSILOCYBIN AND KETAMINE IN MICE** 14:00 - 14:00

Speaker: Francesca Sellitti (Switzerland)

PS06-28PM-054 **ASSOCIATION OF HALLUCINOGEN PERSISTING PERCEPTION DISORDER WITH TRAIT NEUROTICISM AND MENTAL HEALTH SYMPTOMS** 14:00 - 14:00

Speaker: Alicia Halliday (United Kingdom)

PS06-28PM-055 **EXPLORING THE EFFECTS OF PSILOCYBIN AND KETAMINE (NOVEL ANTIDEPRESSANTS) ON THE ELECTROENCEPHALOGRAPH (EEG) OF C57BL/6 MICE: A COMPARATIVE ANALYSIS** 14:00 - 14:00

Speaker: Katarzyna Marszałek (Poland)

PS06-28PM-056 **TRANSCRIPTOMIC ANALYSIS OF THE EFFECTS OF A SINGLE DOSE OF IBOGAINE: UNCOVERING POTENTIAL THERAPEUTIC PATHWAYS IN MICE** 14:00 - 14:00

Speaker: Judit Biosca-Brull (Spain)

PS06-28PM-057 **AYAHUASCA PREVENTS THE EXPRESSION OF COCAINE-INDUCED CONDITIONED PLACE PREFERENCE IN C57BL/6 MICE** 14:00 - 14:00

Speaker: Tania Marcourakis (Brazil)

PS06-28PM-058 **CORTICAL TRANSCRIPTOMIC EFFECTS OF THE NON-HALLUCINOGENIC 2-BROMO LSD** 14:00 - 14:00

Speaker: Vern Lewis (Canada)

PS06-28PM-059 **CHARACTERIZATION OF MDMA ANALOGUE 1,3-BENZODIOXOLYLBTANAMINE (BDB) AND ITS STRUCTURAL ANALOGUES** 14:00 - 14:00

Speaker: Nina Kastner (Austria)

PS06-28PM-060 **N,N-DIMETHYLTRYPTAMINE HAS A PROTECTIVE EFFECT AGAINST OXYGEN-GLUCOSE DEPRIVATION IN A RAT PRIMARY CULTURE MODEL OF THE BLOOD-BRAIN BARRIER** 14:00 - 14:00

Speaker: Judit Vigh (Hungary)

PS06-28PM-061 **EFFECTS OF 5-HT_{2A}R-MGLUR2-BASED INTERVENTIONS ON ELECTROPHYSIOLOGICAL BIOMARKERS IN A RAT MODEL OF ALCOHOL ADDICTION** 14:00 - 14:00

Speaker: Bettina Habelt (Germany)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Advancements in Neuroimaging Techniques

PS06-28PM-539 **A NOVEL MRI-COMPATIBLE RESTRAIN SETUP FOR AWAKE RAT MULTIMODAL EXPERIMENTS** 14:00 - 14:00

Speaker: Francesca Barcellini (Switzerland)

PS06-28PM-540 **DECIPHERING THE ROLE OF LOCUS COERULEUS THROUGH SALIENT STIMULUS DETECTION USING FUNCTIONAL MRI** 14:00 - 14:00

Speaker: Nikolaos Molochidis (Switzerland)

PS06-28PM-541 **AWAKE RAT MRI SCANNING - A CONTRIBUTION TO THE AWAKERODENT MULTI-CENTER, MULTI-SPECIES, MULTI-MODALITY STUDY** 14:00 - 14:00

Speaker: Andrew Breen (Ireland)

PS06-28PM-542 **NORMATIVE BRAIN DEVELOPMENT IN MALE AND FEMALE RATS: A LONGITUDINAL NEUROIMAGING STUDY** 14:00 - 14:00

Speaker: Daniel McLoone (Ireland)

PS06-28PM-543 **COMPREHENSIVE WHOLE RAT BRAIN ANALYSIS: EXPANDING RAT BRAIN RESEARCH WITH ENHANCED IMAGING AND COMPUTATIONAL TOOLS** 14:00 - 14:00

Speaker: Grace Houser (Denmark)

PS06-28PM-544 **A NOVEL IN-VIVO TEMPLATE OF THE FEMALE C57BL6/N MOUSE BRAIN** 14:00 - 14:00

Speaker: Peter Stoehrman (Austria)

PS06-28PM-545 **ASSESSMENT OF TASK-SPECIFIC GLUCOSE METABOLISM WITH NON-INVASIVE FUNCTIONAL PET** 14:00 - 14:00

Speaker: Godber Mathis Godbersen (Austria)

PS06-28PM-547 **EVALUATION OF RUNNING WHEEL BEHAVIOR AS A RELIABLE MARKER FOR SEVERITY ASSESSMENT AND HUMANE ENDPOINT DETECTION IN A RAT MODEL WITH INTRACRANIAL TUMOR** 14:00 - 14:00

Speaker: Alina Ottelewski (Germany)

Poster Sessions

14:00 - 17:30

Posters

Poster Session 06 - Sleep, Memory, and Circadian Rhythms

PS06-28PM-141 **SLEEPLESS NIGHTS, VANISHING FACES: THE EFFECT OF SLEEP DEPRIVATION ON LONG-TERM SOCIAL RECOGNITION MEMORY IN MICE** 14:00 - 14:00

Speaker: Adithya Sarma (Netherlands)

PS06-28PM-142 **SLEEP AND CIRCADIAN RHYTHM OF SENESCENCE-ACCELERATED MICE (SAM)^{P8} AND R1** 14:00 - 14:00

Speaker: Akira Terao (Japan)

PS06-28PM-143 **ARTIFICIAL LIGHT AT NIGHT DISRUPTS DAILY RHYTHMS IN BLOOD-BRAIN BARRIER PERMEABILITY** 14:00 - 14:00

Speaker: Claire Kisamore (United States)

PS06-28PM-144 **SEX-SPECIFIC ATTENUATED MTOR SIGNALING AFTER ACUTE AND CHRONIC SLEEP LOSS** 14:00 - 14:00

Speaker: Jennifer Tudor (United States)

PS06-28PM-145	SLEEP DEPRIVATION IMPAIRS HIPPOCAMPAL CA2 SYNAPTIC PLASTICITY AND SOCIAL MEMORY IN MICE	14:00 - 14:00
	<i>Speaker:</i> Lik Wei Wong (Singapore)	
PS06-28PM-146	THE EFFECT OF FASTING ON HUMAN MEMORY CONSOLIDATION	14:00 - 14:00
	<i>Speaker:</i> Xuefeng Yang (Germany)	
PS06-28PM-147	CREB-PER2 IN RAT HIPPOCAMPUS MEDIATES MOOD TRANSITION	14:00 - 14:00
	<i>Speaker:</i> Xinling Wang (China)	
PS06-28PM-148	FEAR MEMORY UNDER ACUTE PHASE SHIFT: POTENTIAL MODULATION OF PREFRONTAL-HIPPOCAMPAL CIRCUIT BY OREXIN	14:00 - 14:00
	<i>Speaker:</i> Lara Chirich Barreira (Germany)	
PS06-28PM-149	MELATONIN DEFICIENCY RELATED TO PINEALECTOMY HAS AN AGE-SPECIFIC IMPACT ON MEMORY DECLINE IN RATS THROUGH ERK/CREB/ BDNF/TRKB SIGNALING IN THE HIPPOCAMPUS	14:00 - 14:00
	<i>Speaker:</i> Jana Tchekalarova (Bulgaria)	
PS06-28PM-150	TRANSGENERATIONAL EFFECTS OF SLEEP DEPRIVATION ON IMPRINTED GENES REGULATION	14:00 - 14:00
	<i>Speaker:</i> Alice Melloni (Italy)	
PS06-28PM-151	RAMELTEON ENHANCES MEMORY IN QUASI-NATURAL CONTEXTS	14:00 - 14:00
	<i>Speaker:</i> Mikuru Kudara (Japan)	
PS06-28PM-152	IMPACT OF ALZHEIMER'S DISEASE ON NON-VISUAL LIGHT PERCEPTION, SUPRACHIASMATIC NUCLEUS CONNECTIVITY AND SLEEP REGULATION	14:00 - 14:00
	<i>Speaker:</i> Hugo Calligaro (United States)	
PS06-28PM-153	THE KEY CIRCADIAN NEUROPEPTIDE PDF HAS SEXUALLY DIMORPHIC EFFECTS ON ACTIVITY RHYTHMS AND SLEEP	14:00 - 14:00
	<i>Speaker:</i> Aishwarya Iyer (United States)	
PS06-28PM-154	CHRONIC UNPREDICTABLE SLEEP DISRUPTION INDUCES CHANGES IN LOCOMOTOR ACTIVITY, METABOLISM, AND INFLAMMATION IN WISTAR RATS	14:00 - 14:00
	<i>Speaker:</i> Heather Macpherson (Australia)	
PS06-28PM-155	ALTERED CIRCADIAN FUNCTION IN A MOUSE MODEL OF PHENYLKETONURIA	14:00 - 14:00
	<i>Speaker:</i> Junfei Cao (Netherlands)	
PS06-28PM-156	RESTORING 'LOST' MEMORIES: EFFICACY OF VARDENAFIL TO REVERSE AMNESIA FOLLOWING SLEEP DEPRIVATION	14:00 - 14:00
	<i>Speaker:</i> Camilla Paraciani (Netherlands)	
PS06-28PM-157	CHRONODISRUPTION DURING EARLY DEVELOPMENTAL STAGES AFFECTS CLOCK IN THE SCN IN A SEX-DEPENDENT MANNER VIA MELATONIN-INDEPENDENT SIGNALING PATHWAYS	14:00 - 14:00
	<i>Speaker:</i> Kateryna Semenovykh (Czech Republic)	
PS06-28PM-158	DIURNAL VARIATION OF LEARNING AND MEMORY AND MOLECULAR APPROACH IN MICE AND NONHUMAN PRIMATES	14:00 - 14:00
	<i>Speaker:</i> Kimiko Shimizu (Japan)	
PS06-28PM-159	SLEEP DEPRIVATION IMPROVES BEHAVIORAL PERFORMANCE IN ZEBRAFISH LARVAE	14:00 - 14:00
	<i>Speaker:</i> Paula Pflitsch (Germany)	
PS06-28PM-160	BIDIRECTIONAL MANIPULATION OF OREXINERGIC NEURONS	14:00 - 14:00

SHOW SEXUAL DIMORPHISM IN LEARNING AND MEMORY

Speaker: Alexis Vega Medina (United States)

PS06-28PM-161 **SEX-SPECIFIC DIFFERENCES IN HIPPOCAMPAL GENE REGULATION FOLLOWING ACUTE SLEEP DEPRIVATION** 14:00 - 14:00

Speaker: Lisa Lyons (United States)

Open Theatre (OT)

14:15 - 14:45

OT

OT12 - Unveiling GemPharmatech's Neurological Mouse Models: Advancing Research and Therapeutic Development

Scientific Symposia (S)

15:45 - 17:15

A

S41 - Representational drift, learning and forgetting

Chair: Jens-Bastian Eppler (Goethe University Frankfurt, Department of Computer Science, Frankfurt Institute for Advanced Studies, Germany)

Chair: Simon Rumpel (Johannes Gutenberg University Mainz, Institute of Physiology, Systemic Neuroscience Group, Germany)

Introduction 15:45 - 15:47

Hippocampal neurogenesis, representational drift and forgetting 15:47 - 16:05

Speaker: Paul Frankland (Hospital for Sick Children (Toronto), Canada)

Q&A 16:05 - 16:09

Representational drift of hippocampal spatial code and memory retention 16:09 - 16:27

Speaker: Jill K. Leutgeb (University of California, San Diego, United States)

Q&A 16:27 - 16:31

Representational drift as the consequence of ongoing memory storage 16:31 - 16:49

Speaker: Alex Roxin (Centre de Recerca Matemàtica, Spain)

Q&A 16:49 - 16:53

Long-term memory is maintained despite ongoing changes in hippocampal and cortical representations 16:53 - 17:11

Speaker: Yaniv Ziv (Weizmann Institute of Science, Israel)

Q&A 17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

B

S42 - Neural Basis of Flexible Innate Behaviours

Chair: Maximilian Jösch (ISTA, Austria)

Chair: Karl Farrow (VIB - NERF, Belgium)

Introduction 15:45 - 15:47

Is love blind? Mating probability gates threat perception 15:47 - 16:05

Speaker: Carolina Rezaval (University of Birmingham, United Kingdom)

Q&A 16:05 - 16:09

Hormonal remodeling of parental behavior and neural circuits 16:09 - 16:27

Speaker: Jonny Kohl (The Francis Crick Institute, United Kingdom)

Q&A 16:27 - 16:31

Midbrain circuits for flexible instinctive behaviours	16:31 - 16:49
<i>Speaker:</i> Vanessa Stempel (Max Planck Institute for Brain Research, Germany)	
Q&A	16:49 - 16:53
Evolution of neural circuits mediating defensive behaviors	16:53 - 17:11
<i>Speaker:</i> Karl Farrow (VIB - NERF, Belgium)	
Q&A	17:11 - 17:15
 <i>Scientific Symposia (S)</i>	
15:45 - 17:15	C
S43 - Novel mechanisms in Alzheimer's disease and cognitive decline	
<i>Chair:</i> Paul Lucassen (University of Amsterdam, Netherlands)	
<i>Chair:</i> Evgenia Salta (Netherlands Institute for Neuroscience, Netherlands)	
Introduction	15:45 - 15:47
Single-cell molecular mapping of human adult hippocampal neurogenesis in Alzheimer's disease	15:47 - 16:05
<i>Speaker:</i> Evgenia Salta (Netherlands Institute for Neuroscience, Netherlands)	
Q&A	16:05 - 16:09
Hippocampal progenitor cells as biomarkers of cognitive ageing & dementia	16:09 - 16:27
<i>Speaker:</i> Thuret Sandrine (King's College London, United Kingdom)	
Q&A	16:27 - 16:31
Hippocampal neurogenesis impairment and memory formation in Alzheimer's disease	16:31 - 16:49
<i>Speaker:</i> Orly Lazarov (University of Illinois, United States)	
Q&A	16:49 - 16:53
Harnessing adult neurogenesis rescues cognitive dysfunction in Alzheimer's disease	16:53 - 17:11
<i>Speaker:</i> Se Hoon Choi (Harvard Medical School and Massachusetts General Hospital, United States)	
Q&A	17:11 - 17:15
 <i>Scientific Symposia (S)</i>	
15:45 - 17:15	D
S44 - Diverse Functions of the Hippocampus: Circuit Elements and Computations along the Dorsoventral Axis	
<i>Chair:</i> Sanja Mikulovic (Leibniz Institute for Neurobiology, Germany)	
Introduction	15:45 - 15:47
Neurocomputational mechanisms of prosocial learning in the dorsal and ventral hippocampus	15:47 - 16:05
<i>Speaker:</i> Sanja Mikulovic (Leibniz Institute for Neurobiology, Germany)	
Q&A	16:05 - 16:09
Neural dynamics underlying associative learning and outcome expectation in the ventral hippocampus	16:09 - 16:27
<i>Speaker:</i> Mazen Kheirbek (University of California San Francisco, United States)	
Q&A	16:27 - 16:31
Neuronal circuits of anxiety in the ventral hippocampus	16:31 - 16:49

Speaker: Stéphane Ciochi (Systems Neuroscience, Department of Physiology, University of Bern, Switzerland)

Q&A 16:49 - 16:53

Ventral hippocampus supports hidden state inference to guide flexible behavior 16:53 - 17:11

Speaker: Andrew MacAskill (University College London, United Kingdom)

Q&A 17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

E

S45 - Maternal immune activation and neurodevelopmental disorders: From molecular insights to new models

Chair: Davide Pozzi (Humanitas University, Italy)

Introduction 15:45 - 15:47

Risk and resilience to the neurodevelopmental effects of maternal immune activation in mouse models 15:47 - 16:05

Speaker: Urs Meyer (Institute of Pharmacology and Toxicology - Vetsuisse, University of Zurich; Neuroscience Center Zurich, University of Zurich and ETH Zurich, Switzerland)

Q&A 16:05 - 16:09

Prenatal IL6 elevation affects the GABA developmental switch in the offspring 16:09 - 16:27

Speaker: Davide Pozzi (Humanitas University, Italy)

Q&A 16:27 - 16:31

Prenatal immune stress diminished microglia reactivity leading to impaired striatal connectivity 16:31 - 16:49

Speaker: Lindsay Hayes (University of Oklahoma Health Science Center, United States)

Q&A 16:49 - 16:53

Human brain organoids as models to study the effect of maternal immune activation 16:53 - 17:11

Speaker: Kseniia Sarieva (Hertie Institute for Clinical Brain Research, University of Tuebingen, Germany)

Q&A 17:11 - 17:15

Scientific Symposia (S)

15:45 - 17:15

F

S46 - The hunger game: Melanocortin regulation of motivational drives in mice and humans

Chair: Sophie Steculorum (Max Planck Institute for Metabolism Research, Group of Neurocircuit Wiring and Function, Germany)

Chair: Henning Fenselau (Max Planck Institute for Metabolism Research, Synaptic Transmission and Energy Homeostasis Group, Germany)

Introduction 15:45 - 15:47

Insight into melanocortin biology from human genetics 15:47 - 16:05

Speaker: Stephen O'Rahilly (University of Cambridge, United Kingdom)

Q&A 16:05 - 16:09

The neural basis for hunger 16:09 - 16:27

Speaker: J. Nicholas Betley (University of Pennsylvania, Department of Biology, United States)

Q&A 16:27 - 16:31

Dysfunction of gut-brain dynamics underlying hunger	16:31 - 16:49
<i>Speaker:</i> Lisa Beutler (Northwestern University Feinberg School of Medicine, United States)	
Q&A	16:49 - 16:53
Aberrant expression of a melanocortin receptor antagonist as a novel trait of human obesity	16:53 - 17:11
<i>Speaker:</i> Kathrin Landgraf (Center for Pediatric Research Leipzig (CPL), Hospital for Children & Adolescents, University of Leipzig, Leipzig, Germany, Germany)	
Q&A	17:11 - 17:15
<i>Scientific Symposia (S)</i>	
15:45 - 17:15	G
S47 - Connecting the dots: Mining brain data and organisation across multiple scales	
<i>Chair:</i> Wulf Haubensak (Medizinische Universität Wien, Austria)	
Introduction	15:45 - 15:47
BrainTACO: An Explorable Multi-Scale Multi-Modal Brain Transcriptomic And Connectivity Data Resource	15:47 - 16:05
<i>Speaker:</i> Katja Bühler (VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH, Austria)	
Q&A	16:05 - 16:09
From Genes to Function: Linking gene expression patterns, brain function and behaviour	16:09 - 16:27
<i>Speaker:</i> Isabel Wank (Friedrich-Alexander-Universität Erlangen Nürnberg, Germany)	
Q&A	16:27 - 16:31
Machine learning for multiparametric human MRI: brain function, immunological diseases and treatment	16:31 - 16:49
<i>Speaker:</i> Andreas Hess (FAU-Erlangen Nürnberg, Germany)	
Q&A	16:49 - 16:53
Computational archeology of the human mind	16:53 - 17:11
<i>Speaker:</i> Wulf Haubensak (Medizinische Universität Wien, Austria)	
Q&A	17:11 - 17:15
<i>Scientific Symposia (S)</i>	
15:45 - 17:15	H
S48 - Brain plasticity during sleep between homeostasis and memory consolidation	
<i>Chair:</i> Niels Niethard (University of Tuebingen, Institute of Medical Psychology and Behavioral Neurobiology, Jan Born's lab, Germany)	
<i>Chair:</i> Gabrielle Girardeau (Institut du Fer à Moulin, Inserm U1270, Sorbonne Université, Girardeau Lab, France)	
Introduction	15:45 - 15:47
Neural dynamics in the amygdala underlying consolidation and homeostasis during sleep	15:47 - 16:05
<i>Speaker:</i> Gabrielle Girardeau (Institut du Fer à Moulin, Inserm U1270, Sorbonne Université, Girardeau Lab, France)	
Q&A	16:05 - 16:09
Synaptic plasticity in the neocortex associated with REM sleep	16:09 - 16:27
<i>Speaker:</i> Antoine Adamantidis (Zentrum für Experimentelle Neurologie (ZEN), Dept of Neurologie, University Hospital Bern, Switzerland)	
Q&A	16:27 - 16:31

Gating of upward and downward homeostatic plasticity by wake and sleep states	16:31 - 16:49
<i>Speaker:</i> Gina Turrigiano (Brandeis University, United States)	
Q&A	16:49 - 16:53
Restoring access to memories thought-to-be lost in the sleep-deprived brain.	16:53 - 17:11
<i>Speaker:</i> Robbert Havekes (Neurobiology expertise group, Faculty of Science and Engineering, University of Groningen, Netherlands)	
Q&A	17:11 - 17:15
<i>Award Ceremony (AC)</i> 17:15 - 17:30	
AC03 - FKNE Mentoring and FKNE PhD Thesis Prizes 2024 Ceremony	
<i>Plenary Lecture (PL)</i> 17:30 - 18:30	
PL07 - ERA-NET NEURON Plenary Lecture, Asya Rolls (IL)	
Introduction	17:30 - 17:35
Lecture and Q&A- Bridging Mind and Body through Neuroimmunology	17:35 - 18:30
<i>Speaker:</i> Asya Rolls (Technion, Israel Institute of Technology, Israel)	
<i>Networking Events (NE)</i> 18:45 - 20:15	
NE16 - General Assembly of the Austrian Neuroscience Association	
<i>Networking Events (NE)</i> 18:45 - 20:15	
NE17 - Sociedade Portuguesa de Neurociências (SPN) General Assembly 2024	
<i>Networking Events (NE)</i> 18:45 - 20:15	
NE18 - UK Glia Network Social	
<i>Chair:</i> Valentina Mosienko (United Kingdom)	
Speakers	18:45 - 18:45
<i>Speaker:</i> Blanca Díaz Castro (United Kingdom)	
<i>Speaker:</i> Lorena Arancibia Carcamo (United Kingdom)	
<i>Speaker:</i> Mootaz Salman (United Kingdom)	
<i>Networking Events (NE)</i> 18:45 - 20:15	
NE19 - ALBA-WWN-IBRO ECC Workshop on overcoming impostor phenomenon	
<i>Chair:</i> Martha I. Dávila-García (United States)	
<i>Chair:</i> Emma Yhnell (United Kingdom)	
Speakers	18:45 - 18:45
<i>Speaker:</i> Martha I. Dávila-García (United States)	
<i>Speaker:</i> Emma Yhnell (United Kingdom)	
<i>Speaker:</i> Shubha Tole (India)	
<i>Speaker:</i> Stamatina Tzanoulinou (Switzerland)	
<i>Speaker:</i> Pamela Butler (United States)	
<i>Speaker:</i> Anastasia Diamantopoulou (Germany)	
<i>Speaker:</i> Emmeline Edwards (United States)	

Speaker: Jacque Ip (IBRO ECC and Asia, Hong Kong)

Speaker: Oritoke Okeowo (Nigeria)

Speaker: Srikanth Ramaswamy (Newcastle University, United Kingdom)

Saturday, 29 June 2024*Plenary Lecture (PL)*

08:30 - 09:30

A

PL08 - Plenary Lecture, Gloria Choi (US)**Introduction**

08:30 - 08:35

Lecture and Q&A - Neuroimmune Interactions shaping social Behavior

08:35 - 09:30

Speaker: Gloria Choi (Massachusetts Institute of Technology, United States)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Diverse Responses to Early Life StressPS07-29AM-043 **IMPACT OF AVERSIVE EXPERIENCES ON THE RETICULAR THALAMIC NUCLEUS OF MICE**

09:30 - 09:30

Speaker: Héctor Carceller (Spain)PS07-29AM-044 **HIPPOCAMPAL NEUROGENESIS CHANGES IN A SEX AND REGION-SPECIFIC MANNER IN ADULT MICE SUBJECTED TO MATERNAL SEPARATION AS AN EARLY LIFE STRESS**

09:30 - 09:30

Speaker: Jose Munoz-Martin (Spain)PS07-29AM-045 **SEXUAL DIFFERENCES IN DEPRESSIVE-LIKE BEHAVIOURS AFTER JUVENILE AND ADULT STRESS**

09:30 - 09:30

Speaker: Víctor Martín (Spain)PS07-29AM-046 **FEMALE MICROGLIA AND NEUROGENESIS RESPOND DIFFERENTLY TO SOCIAL DEFEAT STRESS COMPARED TO MALES**

09:30 - 09:30

Speaker: Maria Inmaculada Infantes-López (Spain)PS07-29AM-047 **WHOLE-BRAIN ANALYSIS OF DEVELOPMENTAL STRESS OUTCOMES IN THE ADULT OFFSPRING**

09:30 - 09:30

Speaker: Beatrice Dal Bianco (Italy)PS07-29AM-048 **EARLY LIFE STRESS & THE DEVELOPMENTAL DYNAMICS OF HYPOTHALAMIC NEUROGENESIS**

09:30 - 09:30

Speaker: Helen Eachus (United Kingdom)PS07-29AM-049 **METHYLDONOR SUPPLEMENTATION PROTECTS AGAINST EARLY-LIFE STRESS INDUCED EMOTIONAL DYSREGULATION VIA MODULATION OF HYPOTHALAMIC DNA METHYLATION**

09:30 - 09:30

Speaker: Natalia Schilder (Netherlands)PS07-29AM-050 **SPARSE STRESS ENSEMBLES PREDOMINATE THE PATHOGENESIS OF DEPRESSION-LIKE STATE**

09:30 - 09:30

Speaker: Zhiwei Zheng (China)PS07-29AM-051 **CENTRAL ROLE OF THE HABENULO-INTERPEDUNCULAR SYSTEM IN THE NEURODEVELOPMENTAL BASIS OF SUSCEPTIBILITY AND RESILIENCE TO ANXIETY**

09:30 - 09:30

Speaker: Fabien D'Autréaux (France)PS07-29AM-052 **THE ANALYSES OF NEURAL BASIS FOR INDIVIDUAL DIFFERENCES IN BEHAVIORAL OUTCOMES CAUSED BY LONG-TERM SOCIAL DEFEAT STRESS IN MICE**

09:30 - 09:30

Speaker: Hibiki Okamura (Japan)PS07-29AM-053 **SEX-SPECIFIC BEHAVIORAL CONSEQUENCES OF EARLY LIFE SEIZURES INDUCED BY FLUROTHYL**

09:30 - 09:30

Speaker: Andrea Grígelová (Czech Republic)

PS07-29AM-054	HYPOTHALAMIC GENE EXPRESSION FOLLOWING EARLY LIFE AND ACUTE STRESS EXPOSURE IN ADULTHOOD: FOCUS ON SEX DIFFERENCES	09:30 - 09:30
<i>Speaker:</i> Michael Vencer Malaluan (Philippines)		
PS07-29AM-055	TEMPORAL EVOLUTION OF TRAUMATIC MEMORY ENGRAMS IN A MOUSE MODEL OF EARLY-LIFE STRESS	09:30 - 09:30
<i>Speaker:</i> Maelle Certon (France)		
PS07-29AM-056	CIRCUIT MECHANISMS UNDERLYING THE SEXUAL DIMORPHIC EFFECTS OF RESTRAINT STRESS ON PREFRONTAL CORTICAL NEURONAL PROPERTIES	09:30 - 09:30
<i>Speaker:</i> Angeliki Velli (Greece)		
PS07-29AM-057	EARLY LIFE STRESS AND ADVERSITIES IN ADULTHOOD: THE EFFECTS OF CUMULATIVE STRESS ON MEMORY	09:30 - 09:30
<i>Speaker:</i> Joelma Alves Lucio (Brazil)		
PS07-29AM-058	DECODING THE DEVELOPMENTAL VULNERABILITY TO PSYCHIATRIC DISORDERS: INVESTIGATING THE SEXUAL DIMORPHISM AND ROLE OF PERINEURONAL NETS IN HABENULO-INTERPEDUNCULAR-SYSTEM-MEDIATED SUSCEPTIBILITY TO ANXIETY	09:30 - 09:30
<i>Speaker:</i> Niels Fjerdningstad (France)		
PS07-29AM-059	IMPACT OF EARLY LIFE STRESS ON THE MICROCIRCUITS OF VENTRAL HIPPOCAMPUS AND POTENTIAL TARGETS FOR PHENOTYPE RESCUE	09:30 - 09:30
<i>Speaker:</i> Vasilii Shteinikov (Finland)		
PS07-29AM-060	CRITICAL FEAR: DEVELOPMENTAL TRAJECTORIES OF TRAUMATIC LIFE EXPERIENCES DURING SPECIFIC SENSITIVE PERIODS	09:30 - 09:30
<i>Speaker:</i> Greta Visintin (Italy)		
PS07-29AM-061	ACTIVATION OF SOMATOSTATIN INTERNEURONS IN THE MEDIAL AMYGDALA REVERSES LONG-TERM AGGRESSIVE BEHAVIOR ASSOCIATED WITH EARLY-LIFE STRESS IN MALE MICE	09:30 - 09:30
<i>Speaker:</i> Aroa Mañas-Ojeda (Spain)		
PS07-29AM-062	IMPACT OF EARLY LIFE STRESS ON ADULT BEHAVIOR: INSIGHTS FROM MOUSE MODEL	09:30 - 09:30
<i>Speaker:</i> Malvika Sharma (United Arab Emirates)		
PS07-29AM-063	EFFECTS OF EARLY LIFE STRESS ON MOUSE SLEEP ARCHITECTURE AND SPINDLE ACTIVITY	09:30 - 09:30
<i>Speaker:</i> Mohsin Mohammed (United Arab Emirates)		
PS07-29AM-064	STRESS SUSCEPTIBILITY-DEPENDENT SYNAPTIC PLASTICITY ONTO ANTERIOR CINGULATE CORTEX	09:30 - 09:30
<i>Speaker:</i> Sabahaddin Taha Solakoglu (Turkey)		
PS07-29AM-065	PUBERTAL IMMUNE CHALLENGE DIFFERENTIALLY MODULATES LPS-INDUCED MOLECULAR AND BEHAVIOURAL SEQUELAE IN ADULT MALE AND FEMALE MICE	09:30 - 09:30
<i>Speaker:</i> Cristina Benatti (Italy)		
PS07-29AM-066	DECIPHERING THE ROLE OF NEURONAL INTERLEUKIN-1 RECEPTOR IN EARLY LIFE STRESS-INDUCED SOCIAL BEHAVIOR DEFICITS	09:30 - 09:30
<i>Speaker:</i> Marianne Charlene Monet (United States)		
PS07-29AM-067	BRAIN-WIDE SCALE NEURONAL ACTIVATION OF BEHAVIORAL OUTCOMES FOLLOWING LEARNED HELPLESSNESS AND ACUTE SOCIAL DEFEAT STRESS IN MICE	09:30 - 09:30

Speaker: Alessia Manganaro (United States)

PS07-29AM-068 **EARLY LIFE STRESS AND LIVING IN A COMPLEX ENVIRONMENT: EFFECTS ON SOCIAL HIERARCHY AND STRESS COPING IN MICE** 09:30 - 09:30

Speaker: Lisa Bouwman (Netherlands)

PS07-29AM-069 **THE ROLE OF A5-NICOTINIC RECEPTORS ON THE EFFECTS OF EARLY LIFE STRESS IN MOUSE BEHAVIOUR** 09:30 - 09:30

Speaker: Maria Anna Zafeiraki (Greece)

PS07-29AM-070 **SEX-SPECIFIC AND EPIGENETICALLY MEDIATED CHANGES OF CB1R EXPRESSION IN THE MEDIAL PREFRONTAL CORTEX IN RESPONSE TO EARLY LIFE STRESS** 09:30 - 09:30

Speaker: Jörg Bock (Germany)

PS07-29AM-071 **EFFECT OF REPEATED EARLY MATERNAL SEPARATION ON ANXIETY IN RATS DURING THE JUVENILE TRANSITION PERIOD** 09:30 - 09:30

Speaker: Mirosljub Popovic (Spain)

PS07-29AM-072 **DIFFERENTIAL EFFECTS OF MATERNAL IMMUNE ACTIVATION ON HIPPOCAMPAL DNA METHYLATION AND BEHAVIOR IN STRESS-RESILIENT AND STRESS-SUSCEPTIBLE MICE** 09:30 - 09:30

Speaker: Elad Lax (Israel)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Axonal Dynamics

PS07-29AM-558 **RAB5-ASSOCIATED TRANSCRIPTOME REVEALS A NEW LINK BETWEEN ENDOSOMES AND AUTOPHAGY IN AXONS** 09:30 - 09:30

Speaker: Francesca Pappacena (Italy)

PS07-29AM-559 **DYNAMIC ENDOSOME-MRNA ASSOCIATION DRIVES COMPARTMENT-SPECIFIC MRNA LOCALIZATION IN NEURONS** 09:30 - 09:30

Speaker: Ainhoa Viana Alzola (Italy)

PS07-29AM-560 **LYSOSOMAL CONTROL OF AXONAL PROTEIN SYNTHESIS IN CHARCOT-MARIE-TOOTH DISEASE TYPE 2B** 09:30 - 09:30

Speaker: Kalina Wiatr (Italy)

PS07-29AM-561 **A RIBO-TAG BASED SCREEN IDENTIFIES NOVEL TRANSLATIONAL REGULATION-DEPENDENT MECHANISMS INVOLVED IN AXON GUIDANCE** 09:30 - 09:30

Speaker: Veronica Murcia-Belmonte (Spain)

PS07-29AM-562 **DISSECTING THE FUNCTION OF THE CISTERNAL ORGANELLE IN THE AXON INITIAL SEGMENT** 09:30 - 09:30

Speaker: Lia Carvalhais (Netherlands)

PS07-29AM-563 **REGULATION OF THE AXONAL TRANSLATOME IN DOPAMINERGIC CIRCUITS DURING DEVELOPMENT** 09:30 - 09:30

Speaker: Charles Gora (Canada)

PS07-29AM-564 **RNA SPLICING REVISITED: NEW MOLECULAR TOOLS FOR ANALYSIS OF CRYPTIC SPLICE DONORS AT SINGLE CELL RESOLUTION** 09:30 - 09:30

Speaker: Magnus Harnau (Germany)

PS07-29AM-565 **AXONAL TRANSPORT: A NEW ROLE FOR LOCAL TRANSLATION?** 09:30 - 09:30

Speaker: FANG SHIN NIAN (Belgium)

PS07-29AM-566 **A MASSIVELY PARALLEL REPORTER ASSAY FOR TRANSLATIONAL CONTROL MAPS THE REGULATORY LANDSCAPE OF NEURONAL 3'UTRS** 09:30 - 09:30

Speaker: Orit David (Israel)

PS07-29AM-567 **LONG POLYA TAILS OF NEUROPEPTIDE MRNAS ORIGINATE IN THE CYTOPLASM OF NEUROSECRETORY CELLS** 09:30 - 09:30
Speaker: Bartosz Tarkowski (Poland)

Poster Sessions
 09:30 - 13:00

Posters

Poster Session 07 - Cognitive Decline and Mental Health

PS07-29AM-577 **EXPLORING THE LINK BETWEEN INSOMNIA, DEPRESSION, ANXIETY, AND STRESS IN OLDER ADULTS WITH MCI** 09:30 - 09:30
Speaker: Chrysanthi Nega (Greece)

PS07-29AM-578 **IMPACT OF RESTLESS LEG SYNDROME SEVERITY ON COGNITIVE FUNCTION AND DEPRESSION** 09:30 - 09:30
Speaker: Erika Driver-Dunckley (United States)

PS07-29AM-579 **THE INFLUENCE OF DEPRESSION ONSET TIMING AFTER GASTROINTESTINAL DISEASE ON DEMENTIA RISK** 09:30 - 09:30
Speaker: Suji Hong (Korea, Republic of)

PS07-29AM-580 **UNVEILING AGEISM AND AGING ANXIETY IN EGYPT: A CROSS-SECTIONAL STUDY** 09:30 - 09:30
Speaker: Alaa Abdelkader (Egypt)

PS07-29AM-581 **LARKS OR OWLS? THAT IS THE QUESTION -CHRONOTYPE, SLEEP AND MENTAL HEALTH OF INTERNATIONAL STUDENTS** 09:30 - 09:30
Speaker: Irine Sakhelashvili (Georgia)

PS07-29AM-582 **EXPLORING THE INTERPLAY OF GLUCOCORTICOIDS, DAILY TIMING, SLEEP AND PSYCHOLOGY-BASED TASK PERFORMANCE** 09:30 - 09:30
Speaker: Lakshmi Kalathinkunnath (Austria)

PS07-29AM-583 **BURNOUT SYNDROME IN THE STAFF OF DIFFERENT INSTITUTIONS CORRELATED WITH EEG-EKG AND CORTISOL POST-COVID 19 PANDEMIC** 09:30 - 09:30
Speaker: Estela Adriana Castellanos-Alvarado (Mexico)

Poster Sessions
 09:30 - 13:00

Posters

PS07 - Poster Session 07 (Poster authors in attendance: 11:30 - 13:00)

Poster Sessions
 09:30 - 13:00

Posters

Poster Session 07 - Cell Type Diversity

PS07-29AM-272 **MORPHOLOGICAL AND PHYSIOLOGICAL FEATURES OF CHANDELIER CELLS IN THE PREFRONTAL CORTEX IN TWO TRANSGENIC MOUSE LINES** 09:30 - 09:30
Speaker: Zsuzsanna Fekete (Hungary)

PS07-29AM-273 **DENSITY OF CB1 EXPRESSING GABAERGIC AXON TERMINALS IS INCREASED IN THE VALPROATE MODEL OF AUTISM IN MALE MICE** 09:30 - 09:30
Speaker: Judit Veres (Hungary)

PS07-29AM-274 **DIVERSITY AND CONNECTIVITY OF PRINCIPAL NEURONS IN THE LATERAL AND BASAL NUCLEI OF THE MOUSE AMYGDALA** 09:30 - 09:30
Speaker: Zsófia Reéb (Hungary)

PS07-29AM-275 **EXPLORING AXON-CARRYING DENDRITE DIVERSITY IN MOUSE AND HUMAN HIPPOCAMPAL INTERNEURONS** 09:30 - 09:30
Speaker: Maximilian Achilles (Austria)

PS07-29AM-276	EXPLORING THE VARIABILITY AND FUNCTIONAL IMPLICATIONS OF AXON INITIAL SEGMENT MORPHOLOGY IN HIPPOCAMPAL NEURONS	09:30 - 09:30
<i>Speaker:</i> Christian Thome (Austria)		
PS07-29AM-277	INTERHEMISPHERIC SYNAPTIC INPUTS TO NEOCORTICAL PYRAMIDAL CELLS WITH DENDRITIC VERSUS SOMATIC AXON ORIGIN	09:30 - 09:30
<i>Speaker:</i> Aline Pannier (Germany)		
PS07-29AM-278	NETWORK INTEGRATION OF NEURONS WITH DIFFERENT (SOMATIC VS. DENDRITIC) AXON ORIGIN: A COMPUTATIONAL MODELLING APPROACH	09:30 - 09:30
<i>Speaker:</i> Livia Klostermann (Germany)		
PS07-29AM-279	REGION-SPECIFIC INTERNEURON CYTOARCHITECTURE OF THE MOUSE CEREBRAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Eleanor Paul (United Kingdom)		
PS07-29AM-280	CORRELATIONS OF MOLECULARLY DEFINED CORTICAL INTERNEURON POPULATIONS WITH MORPHO-ELECTRIC PROPERTIES	09:30 - 09:30
<i>Speaker:</i> Yongchun Yu (China)		
PS07-29AM-281	SYNAPTIC ARRANGEMENT OF THE CA3 RECURRENT CIRCUIT IN THE HUMAN HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Jake Watson (Austria)		
PS07-29AM-282	THREE-DIMENSIONAL STRUCTURAL ANALYSIS OF GABAERGIC NEURONS IN THE MOUSE CLAUSTRUM USING TISSUE-CLEARING TECHNOLOGY	09:30 - 09:30
<i>Speaker:</i> Hiroyuki Hioki (Japan)		
PS07-29AM-283	PATTERNS OF MUTUAL EXCITATION AND INHIBITION BETWEEN CLASSES OF INHIBITORY NEURONS IN THE PRIMARY OLFACTORY CORTEX	09:30 - 09:30
<i>Speaker:</i> Muqin Zhang (Australia)		
PS07-29AM-284	SUBLAYER-SPECIFIC NOVEL NEURONAL CELL TYPE IN LAYER 2/3 OF THE PREFRONTAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Kisho Obi-Nagata (Japan)		
PS07-29AM-285	SHAPING NEOCORTICAL NETWORKS VIA MATURATION OF SYNAPTIC FUNCTIONS IN VIP-POSITIVE GABAERGIC INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Clara Simacek (Germany)		
PS07-29AM-286	THE CONNECTIVITY AND FUNCTION OF <i>CHRNA2</i> MARTINOTTI CELLS IN THE CEREBRAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Anna Velica (Sweden)		
PS07-29AM-287	GAMMA FREQUENCY SYNCHRONIZATION OF NNOS INTERNEURONS PROVIDES LONG-LASTING INHIBITION OF DENTATE GRANULE CELLS	09:30 - 09:30
<i>Speaker:</i> Jose Carlos Gonzalez (United States)		
PS07-29AM-288	HIPPOCAMPAL CAJAL-RETZIUS CELLS RECEIVE INPUTS FROM SEVERAL EXTRAHIPPOCAMPAL AREAS	09:30 - 09:30
<i>Speaker:</i> Kristian Moan (Norway)		
PS07-29AM-289	FUNCTIONAL UPREGULATION OF KCC2 IN CORTICAL INTERNEURONS PRECEDES THAT IN GLUTAMATERGIC PRINCIPAL NEURONS	09:30 - 09:30
<i>Speaker:</i> Rakenduvadhana Srinivasan (Finland)		
PS07-29AM-290	BIOLOGICALLY PLAUSIBLE INTERNEURON RECURRENCE DOES	09:30 - 09:30

NOT SUPPORT SYNCHRONY IN A DENTATE GYRUS MODEL*Speaker:* Daniel Müller-Komorowska (Japan)

PS07-29AM-291 **INTERNEURON NONLINEAR DENDRITES REGULATE THETA-NESTED GAMMA OSCILLATIONS IN HIPPOCAMPAL NETWORKS** 09:30 - 09:30

Speaker: Alexandra Tzilivaki (Charite Medical School NCRC, Germany)

PS07-29AM-292 **NANOMETER-SCALE DENDRITIC SHAFT CONSTRICTIONS SHAPE DENDRITIC INTEGRATION AND PLASTICITY** 09:30 - 09:30

Speaker: Tony Kelly (Germany)

PS07-29AM-293 **FIRING PROPERTIES OF THE MOUSE HIPPOCAMPAL PYRAMIDAL CA1 NEURONS DURING THE POSTNATAL DEVELOPMENT** 09:30 - 09:30

Speaker: Igor Nagula (Lithuania)

PS07-29AM-294 **CHARACTERIZING THE FASCIOLA CINEREA: AN ANATOMICAL AND PHYSIOLOGICAL INVESTIGATION IN THE MOUSE HIPPOCAMPUS** 09:30 - 09:30

Speaker: Ioannis Zouridis (Germany)

PS07-29AM-295 **HIGH-RESOLUTION SINGLE-CELL RNA-SEQUENCING ATLAS FOR MOUSE CORTICAL INHIBITORY NEURONS DURING DEVELOPMENTAL** 09:30 - 09:30

Speaker: Lynette Lim (Belgium)

PS07-29AM-296 **PLASTICITY OF INHIBITORY TRANSMISSION FROM L1 INTERNEURONS OF THE MOUSE VISUAL CORTEX** 09:30 - 09:30

Speaker: Adrianna Nozownik (France)

PS07-29AM-297 **SYNAPTIC AND DENDRITIC ARCHITECTURE OF DIFFERENT TYPES OF HIPPOCAMPAL SOMATOSTATIN INTERNEURONS** 09:30 - 09:30

Speaker: Áron Orosz (Hungary)

PS07-29AM-298 **INTEGRATIVE PROPERTIES OF BURSTING VS. REGULAR FIRING SUBICULUM NEURONS INVESTIGATED VIA DYNAMIC CLAMP** 09:30 - 09:30

Speaker: Melinda Gazdik (Hungary)

PS07-29AM-299 **THREE-DIMENSIONAL ORGANIZATION OF CONNEXIN CLUSTERS ALONG AXONAL CISTERNA ORGANELLE NETWORKS IN HUMAN PYRAMIDAL NEURONS** 09:30 - 09:30

Speaker: Jan Maximilian Janssen (Austria)

PS07-29AM-300 **CONTROL OF CORTICAL CIRCUITS BY LAYER 1 NDNF INTERNEURONS** 09:30 - 09:30

Speaker: Jan Hartung (Germany)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Social Dynamics

PS07-29AM-073 **THE LINK BETWEEN SOCIAL RANK AND BEHAVIORS IN FEMALE MICE GROUPS** 09:30 - 09:30

Speaker: Estelle CONABADY (France)

PS07-29AM-074 **STATISTICS VERSUS ANIMAL WELFARE: VALIDATION OF THE EXPERIMENTAL UNIT IN THE FOCUS OF 3R** 09:30 - 09:30

Speaker: Miriam Vogt (Germany)

PS07-29AM-075 **REWARD CIRCUITRY UNDERPINNINGS FOR SOCIAL BUFFERING OF STRESS** 09:30 - 09:30

Speaker: Urszula Skupio (United States)

PS07-29AM-076 **A QUANTITATIVE AND QUALITATIVE ANALYSIS OF SOCIAL WITHDRAWAL IN THE SUB-CHRONIC PCP RAT MODEL FOR SCHIZOPHRENIA** 09:30 - 09:30

Speaker: Alexandre Seillier (Czech Republic)

PS07-29AM-077 **MOUSE CAN RECOGNIZE OTHER INDIVIDUALS: MATERNAL EXPOSURE TO DIOXIN DOES NOT AFFECT IDENTIFICATION BUT PERTURBS THE RECOGNITION ABILITY OF OTHER INDIVIDUALS** 09:30 - 09:30

Speaker: Hana ICHIHARA (Japan)

PS07-29AM-078 **BEHAVIORAL ANALYSIS OF GROWTH-RETARDED MICE WITH CONGENITAL HYPOTHYROIDISM USING INTELICAGE** 09:30 - 09:30

Speaker: Fumihiko Maekawa (Japan)

PS07-29AM-079 **SUBTHALAMIC NUCLEUS OPTOGENETIC INHIBITION REDUCES MOTIVATION FOR SOCIAL INTERACTIONS** 09:30 - 09:30

Speaker: Lucie Vignal (France)

PS07-29AM-080 **IMPACT OF SOCIAL ISOLATION ON COGNITIVE AND MOTOR FUNCTIONS IN AGING MALE MICE** 09:30 - 09:30

Speaker: Christiane Frahm (Germany)

PS07-29AM-081 **BEHAVIORAL IMPACTS OF SIMULATED MICROGRAVITY ON MALE MICE: LOCOMOTION, SOCIAL INTERACTIONS AND MEMORY IN A NOVEL OBJECT RECOGNITION TASK** 09:30 - 09:30

Speaker: Jean-Luc Morel (France)

PS07-29AM-082 **EFFECTS OF 5G RADIOFREQUENCIES (26 GHZ) IN HEALTHY AND DEPRESSIVE SUBJECTS : A BEHAVIORAL APPROACH OF ELECTROMAGNETIC HYPERSENSITIVITY (EHS) IN MALE AND FEMALE RATS** 09:30 - 09:30

Speaker: Adrien Vérité (France)

PS07-29AM-083 **THE IMPACT OF CA2 E/I IMBALANCE ON SOCIAL BEHAVIOUR AND NETWORK ACTIVITY** 09:30 - 09:30

Speaker: Alessa A. Franz (Germany)

PS07-29AM-084 **THE IMPORTANCE OF HOUSING CONDITIONS IN IMPLEMENTING THE SEX AS A BIOLOGICAL VARIABLE (SABV) POLICY IN NEUROSCIENCE RODENT RESEARCH** 09:30 - 09:30

Speaker: Ivana Jaric (Switzerland)

PS07-29AM-085 **SOCIAL ISOLATION DURING ADOLESCENCE CAUSES INCREASED GENERALISED ANXIETY-LIKE BEHAVIOUR IN MALE RATS AND REDUCED SOCIAL ANXIETY-LIKE BEHAVIOUR IN MALE AND FEMALE RATS** 09:30 - 09:30

Speaker: Marina Manojlović (Serbia)

PS07-29AM-086 **PROTEIN RESTRICTION AFFECTS FOOD PREFERENCE DIFFERENTLY IN MALE AND FEMALE MICE** 09:30 - 09:30

Speaker: Hamid Taghipourbibalan (Norway)

PS07-29AM-087 **THE EFFECTS OF EMPATHY ON PASSIVE AVOIDANCE TEST IN RATS** 09:30 - 09:30

Speaker: Zeynep Serra Özler (Turkey)

PS07-29AM-088 **ALTERED ACTIVITIES OF ANTIOXIDANT ENZYMES IN PERIPHERAL ORGANS AND ERYTHROCYTES DUE TO SOCIAL ISOLATION IN PERIPUBERTY: FINDINGS FROM A RODENT STUDY** 09:30 - 09:30

Speaker: Milica Potřebić (Serbia)

PS07-29AM-089 **HOUSING SETTINGS AFFECT C57BL/6 MICE'S STRESS, DEPRESSIVE-LIKE BEHAVIOR, AND SENSORY-MOTOR SKILLS** 09:30 - 09:30

Speaker: Hatice Keser (Turkey)

PS07-29AM-090 **EXPLORING SOCIAL HIERARCHIES: AN EXPERIMENTAL STUDY USING RFID TECHNOLOGY IN MICE** 09:30 - 09:30

Speaker: Adam Brosnan (Poland)

PS07-29AM-091	EFFECTS OF SOCIAL STATUS ON PREFRONTAL AND HIPPOCAMPAL STRUCTURE AND FUNCTION IN ADULT FEMALE RHESUS MACAQUES	09:30 - 09:30
<i>Speaker:</i> Zsafia Kovacs-Balint (United States)		
PS07-29AM-092	CHRONIC CORTICOSTERONE ADMINISTRATION AND DECISION-MAKING IN FEMALE MICE IN AN OPERANT MOUSE GAMBLING TASK	09:30 - 09:30
<i>Speaker:</i> Stéphanie Cramoisy (France)		
PS07-29AM-093	LOCKED-UP LINGO: UNVEILING SPATIAL SEPARATION-INDUCED VOCAL COMMUNICATION IN MICE	09:30 - 09:30
<i>Speaker:</i> Daniel Breslav (Germany)		
PS07-29AM-094	SOCIAL STATUS IMPACTS PERIPHERAL IMMUNE RESPONSES THROUGH SYNAPSE STRENGTH IN PREFRONTAL CORTEX	09:30 - 09:30
<i>Speaker:</i> Helmut Kessels (Netherlands)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Gene Mutations and Dysfunction		
PS07-29AM-537	CEREBELLAR ALTERATION IN A MOUSE MODEL OF <i>GRIN2D</i>-RELATED DEVELOPMENTAL AND EPILEPTIC ENCEPHALOPATHIES	09:30 - 09:30
<i>Speaker:</i> Mor Yam (Israel)		
PS07-29AM-538	A NOVEL DRUG REDUCES MOTOR IMPAIRMENTS AND PREMATURE DEATH IN A <i>GRIN2D</i> MOUSE MODEL	09:30 - 09:30
<i>Speaker:</i> Danielle Galber (Israel)		
PS07-29AM-539	CHARACTERIZATION OF A NOVEL MOUSE MODEL FOR <i>CHD2</i>-RELATED NEURODEVELOPMENTAL DISORDER	09:30 - 09:30
<i>Speaker:</i> Anat Mavashov Arzuan (Israel)		
PS07-29AM-540	CHARACTERIZATION OF ZEBRAFISH LARVAE WITH KNOCKOUTS IN THE NMDA RECEPTOR SUBUNIT GENES <i>GRIN2AA</i> AND <i>GRIN2AB</i>	09:30 - 09:30
<i>Speaker:</i> Vera Abramova (Czech Republic)		
PS07-29AM-541	DEEP-PHENOTYPE CHARACTERIZATION OF <i>GRIN1</i> ZEBRAFISH MODELS, A NEW TOOL TO STUDY GRIN-RELATED DISORDERS	09:30 - 09:30
<i>Speaker:</i> Sílvia Locubiche Serra (Spain)		
PS07-29AM-542	THE <i>GRID1/GLUD1</i> HOMOZYGOUS VARIANT P.ARG161HIS LINKED TO INTELLECTUAL DISABILITY AND SPASTIC PARAPLEGIA IMPAIR EXCITATORY SYNAPTIC TRANSMISSION IN THE HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Weixuan Xue (France)		
PS07-29AM-543	VRK2 DEFICIENCY ELICITS AGGRESSIVE BEHAVIOR IN FEMALE ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Ryohei Umeda (Japan)		
PS07-29AM-544	EFFECTS OF VRK1 DEFICIENCY ON THE NEUROPHYSIOLOGY AND BEHAVIOR OF ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Magdeline Carrasco Apolinario (Japan)		
PS07-29AM-545	BEHAVIOURAL AND MULTI-OMIC CHARACTERIZATION OF <i>LRRTM4L1</i>^{-/-} ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Florian Reichmann (Austria)		
PS07-29AM-546	FUNCTIONAL AND BEHAVIORAL CHARACTERIZATION OF MICE CARRYING A FRAMESHIFT VARIANT IN THE NMDA RECEPTOR <i>GLUN2B</i> SUBUNIT	09:30 - 09:30

Speaker: Klevinda Fili (Czech Republic)

PS07-29AM-547 **DISTINCT DEFICITS DRIVE NMDA RECEPTOR LOSS OF SYNAPTIC FUNCTION IN G620R AND G827R *GRIN1* MISSENSE MOUSE MODELS** 09:30 - 09:30

Speaker: Patrick Tidball (Canada)

PS07-29AM-548 **CHARACTERIZATION OF EARLY POST-NATAL DEVELOPMENT AND ULTRASONIC VOCALIZATIONS IN MOUSE MODELS OF *GRIN1* DISORDER** 09:30 - 09:30

Speaker: Megan Sullivan (Canada)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Advancements in Computational Neuroscience

PS07-29AM-095 **CONTROLLING MORPHO-ELECTROPHYSIOLOGICAL VARIABILITY OF NEURONS WITH DETAILED BIOPHYSICAL MODELS** 09:30 - 09:30

Speaker: alexis arnaudon (Switzerland)

PS07-29AM-096 **CONDUCTING VIRTUAL NEURONAL EXPERIMENTS WITH BLUE BRAIN CELLULAR LABORATORY (BLUECELLULAB)** 09:30 - 09:30

Speaker: Anil Tuncel (Switzerland)

PS07-29AM-097 **COMPUTATIONAL SYNTHESIS OF LONG-RANGE AXONS** 09:30 - 09:30

Speaker: Rémy Petkantchin (Switzerland)

PS07-29AM-098 **A NOVEL TECHNIQUE FOR DRAMATICALLY REDUCING COMPUTATIONAL BURDEN IN ELECTROPHYSIOLOGICAL AXON SIMULATIONS** 09:30 - 09:30

Speaker: Taylor Newton (Switzerland)

PS07-29AM-099 **HYPATIA HEALTH: A NEW OPEN-SOURCE, ONLINE PLATFORM FOR COMPUTATIONAL SIMULATION AND FITTING** 09:30 - 09:30

Speaker: Joseph Barnby (United Kingdom)

PS07-29AM-100 **TOWARDS A GENERAL BRAIN THEORY: HOW DOES THE PHYSICALLY ACTIVE NEURONAL NETWORK "PARADOXICALLY" PROCESS INFORMATION IN BIOLOGICALLY OR SOCIALLY APPROPRIATE WAY?** 09:30 - 09:30

Speaker: Oleg Soloviov (Ukraine)

PS07-29AM-102 **ADVANCED METAMODELLING ON THE O2S2PARC COMPUTATIONAL NEUROSCIENCES PLATFORM FACILITATES STIMULATION SELECTIVITY AND POWER EFFICIENCY OPTIMIZATION AND INTELLIGENT CONTROL** 09:30 - 09:30

Speaker: Werner Van Geit (Switzerland)

PS07-29AM-103 **EXPERIMENTAL MODEL FOR STRAIN-INDUCED MECHANICAL NEUROSTIMULATION ON HUMAN PROGENITOR NEURONS** 09:30 - 09:30

Speaker: Erdost Yildiz (Germany)

PS07-29AM-104 **AN ELECTRODIFFUSIVE NETWORK MODEL WITH MULTICOMPARTMENTAL NEURONS AND SYNAPTIC CONNECTIONS** 09:30 - 09:30

Speaker: Marte Julie Sætra (Norway)

PS07-29AM-105 **NEUROMODULATION IN THE VIRTUAL BRAIN: INTRODUCING DOPAMINE DYNAMICS** 09:30 - 09:30

Speaker: Damien Depannemaecker (France)

PS07-29AM-106 **BAYESIAN INFERENCE ON VIRTUAL BRAIN MODELS OF DISORDERS** 09:30 - 09:30

Speaker: Meysam Hashemi (France)

PS07-29AM-107	NOVEL INTERDISCIPLINARY INTERVENTION APPROACH: NURTURING NEUROPLASTICITY THROUGH SPONTANEOUS UNFOLDING MOVEMENTS	09:30 - 09:30
<i>Speaker:</i> Erika Chovanec (Austria)		
PS07-29AM-108	ESTIMATION OF NEURONAL BIOPHYSICAL PARAMETERS IN THE PRESENCE OF EXPERIMENTAL NOISE USING COMPUTER SIMULATIONS AND PROBABILISTIC INFERENCE METHODS	09:30 - 09:30
<i>Speaker:</i> Szabolcs Káli (Hungary)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Cortical Oscillation Dynamics		
PS07-29AM-132	RHYTHMICITY OF NEURONAL OSCILLATIONS DELINEATES THEIR CORTICAL AND SPECTRAL ARCHITECTURE	09:30 - 09:30
<i>Speaker:</i> Vladislav Myrov (Finland)		
PS07-29AM-133	LINKING THE MICROARCHITECTURE OF NEUROTRANSMITTER SYSTEMS TO LARGE-SCALE MEG RESTING STATE NETWORKS	09:30 - 09:30
<i>Speaker:</i> Felix Siebenhühner (Finland)		
PS07-29AM-134	BREAKDOWN OF BISTABILITY IN CORTICAL SYNCHRONIZATION DYNAMICS CHARACTERIZES EARLY STAGES OF ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Ehtasham Javed (Finland)		
PS07-29AM-135	OSCILLATION-BASED FUNCTIONAL CONNECTIVITY NETWORKS REFLECT THE HETEROGENEITY OF MDD SYMPTOMS	09:30 - 09:30
<i>Speaker:</i> Wenya Liu (Finland)		
PS07-29AM-136	ALPHA-BAND SYNCHRONIZATION SUPPORTS THE INTEGRATION OF FEATURE INFORMATION IN VISUAL WORKING MEMORY	09:30 - 09:30
<i>Speaker:</i> Hamed Haque (Finland)		
PS07-29AM-137	IDENTIFYING RHYTHMIC EPISODES IN SOURCE-LEVEL ELECTROMAGNETIC BRAIN ACTIVITY	09:30 - 09:30
<i>Speaker:</i> Enrique Stern (Spain)		
PS07-29AM-138	A DATA-DRIVEN APPROACH FOR THE SINGLE-SUBJECT MAPPING OF NATURAL FREQUENCIES	09:30 - 09:30
<i>Speaker:</i> Lydia Arana (Spain)		
PS07-29AM-139	WAVEFORM DISSOCIATES CORTICAL RHYTHMS	09:30 - 09:30
<i>Speaker:</i> Janet Giehl (Germany)		
PS07-29AM-140	NEURAL NONLINEARITIES REVEAL ONLINE EFFECTS OF TACS	09:30 - 09:30
<i>Speaker:</i> Nima Noury (Germany)		
PS07-29AM-141	DISENTANGLING CORTICAL DYNAMICS USING GAUSSIAN MIXTURE VARIATIONAL AUTOENCODERS	09:30 - 09:30
<i>Speaker:</i> Paul Hege (Germany)		
PS07-29AM-142	SPIKE-FIELD COUPLING PREDICTS DISTINCT OSCILLATORY WAVEFORMS IN THE PRIMATE BRAIN	09:30 - 09:30
<i>Speaker:</i> Aleksejs Timčenko (Germany)		
PS07-29AM-143	CORTEX-WIDE HIGH DENSITY ECOG AND TRANSLAMINAR LOCAL FIELD POTENTIAL RECORDINGS REVEAL RICH BROAD-BAND SPATIO-TEMPORAL DYNAMICS	09:30 - 09:30
<i>Speaker:</i> Arash Shahidi (Germany)		
PS07-29AM-144	IDENTIFYING TASK-ACTIVATED CORTEX THROUGH PHASE- AMPLITUDE COUPLING ANALYSIS	09:30 - 09:30
<i>Speaker:</i> Srijita Das (United States)		

PS07-29AM-145	NEURONAL TRAVELLING WAVES EXPLAIN ROTATIONAL DYNAMICS IN EXPERIMENTAL DATASETS AND MODELLING	09:30 - 09:30
<i>Speaker:</i> Yekaterina Kuzmina (Russian Federation)		
PS07-29AM-146	SEPARATION OF OSCILLATORY FROM FRACTAL COMPONENTS IN EEG SIGNALS: A METHODOLOGICAL COMPARISON	09:30 - 09:30
<i>Speaker:</i> Michael Ernst (Germany)		
PS07-29AM-147	NOT ALL-OR-NOTHING: INTRACELLULAR ACTION POTENTIAL WAVEFORM VARIES SYSTEMATICALLY WITH EXTRACELLULAR GAMMA OSCILLATORY STATE	09:30 - 09:30
<i>Speaker:</i> Blanca Martin-Burgos (United States)		
PS07-29AM-148	OSCILLTRACK - REAL-TIME OSCILLATORY PHASE AND AMPLITUDE TRACKING FOR CLOSED-LOOP STIMULATION	09:30 - 09:30
<i>Speaker:</i> Colin McNamara (Ireland)		
PS07-29AM-149	A MULTISTEP ANALYSIS WORKFLOW FOR THE CLASSIFICATION OF CORTICAL LFP EVENTS	09:30 - 09:30
<i>Speaker:</i> Sándor Bordé (Hungary)		
PS07-29AM-150	BIFURCATION ANALYSIS ON A TWO-NEURON MODEL OF CENTRAL PATTERN GENERATORS FOR BOTH OSCILLATORY AND CONVERGENT NEURONAL ACTIVITIES	09:30 - 09:30
<i>Speaker:</i> Kotaro Muramatsu (Japan)		
PS07-29AM-151	DEPENDENCE OF HIGUCHI'S FRACTAL DIMENSION ON 1/F SLOPE AND OSCILLATORY POWER	09:30 - 09:30
<i>Speaker:</i> Srishty Aggarwal (India)		
PS07-29AM-152	OSCILLATORY WAVEFORM SHAPE AND TEMPORAL SPIKE CORRELATIONS DIFFER IN THE BAT FRONTAL AND AUDITORY CORTICES	09:30 - 09:30
<i>Speaker:</i> Francisco Garcia-Rosales (Germany)		
PS07-29AM-153	SPECPARAM 2.0: SPECTRAL PARAMETERIZATION WITH TIME-RESOLVED ESTIMATES AND UPDATED MODEL FORMS	09:30 - 09:30
<i>Speaker:</i> Thomas Donoghue (United States)		
PS07-29AM-154	ESTIMATION OF EEG GAMMA OSCILLATION BIOMARKERS: EXPLORING OPEN THERMODYNAMIC CORTICAL NEURODYNAMICS VIA THE RANKINE TO CARNOT CYCLES IN HEALTHY INDIVIDUALS AND BIPOLAR PATIENTS	09:30 - 09:30
<i>Speaker:</i> R Murat Demirer (Turkey)		
PS07-29AM-155	LOW-FREQUENCY OSCILLATIONS IN THE HUMAN TEMPORAL LOBE CHANGE AT SPATIAL AND COGNITIVE EVENT BOUNDARIES DURING REAL-WORLD NAVIGATION	09:30 - 09:30
<i>Speaker:</i> Cory Inman (United States)		

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Axonal Transport and Neuronal Diseases

PS07-29AM-523	KIF5A, A PROTEIN INVOLVED IN AXONAL TRANSPORT, REPRESENTS A NEW DRUGGABLE TARGET IN A MOUSE MODEL OF SPINAL MUSCULAR ATROPHY	09:30 - 09:30
<i>Speaker:</i> Valeria Valsecchi (Italy)		
PS07-29AM-524	KNOCKDOWN OF DMPK IN MYOTONIC DYSTROPHY TYPE 1 USING CAS13	09:30 - 09:30
<i>Speaker:</i> Hanseul Oh (Germany)		
PS07-29AM-525	PLASMA NEUROFILAMENT LIGHT CHAIN IN CHINESE CHILDREN WITH LATER-ONSET SMA UNDER TREATMENT WITH	09:30 - 09:30

NUSINERSEN*Speaker:* Shanshan Mao (China)

PS07-29AM-526 **ANALYSIS OF GEMIN3 PROTEIN REGULATION AND INTRACELLULAR PATHWAYS IN MOTOR NEURONS IN THE CONTEXT OF SPINAL MUSCULAR ATROPHY** 09:30 - 09:30

Speaker: Marc Estarellas (Spain)

PS07-29AM-527 **BOOSTING MFN2 LEVELS IN NEURONS USING ADENO-ASSOCIATED VIRUS (AAV) VECTORS AS A THERAPY FOR CHARCOT-MARIE-TOOTH DISEASE TYPE 2A** 09:30 - 09:30

Speaker: Marine Tessier (France)

PS07-29AM-528 **SPLICE-ALTERING STRATEGIES IN A PATIENT-DERIVED OLIGODENDROCYTE CELL MODEL FOR *PLP1*-ASSOCIATED HYPOMYELINATION OF EARLY MYELINATING STRUCTURES** 09:30 - 09:30

Speaker: Bianca Zardetto (Netherlands)

PS07-29AM-529 **CAS9 NICKASE-MEDIATED CONTRACTION OF CAG/CTG REPEATS AT MULTIPLE DISEASE LOCI** 09:30 - 09:30

Speaker: Alvaro Murillo Bartolome (United Kingdom)

PS07-29AM-530 **INDUCTION OF *NF1* EXON 51 SKIPPING IN PRIMARY NEURONS REVEALS NOVEL PROPERTIES OF NEUROFIBROMIN ISOFORMS** 09:30 - 09:30

Speaker: Charikleia (Charoula) Peta (Greece)

PS07-29AM-531 **EXPLORATORY MOLECULAR BIOMARKERS IN ADULT SPINAL MUSCULAR ATROPHY PATIENTS TREATED WITH NUSINERSEN** 09:30 - 09:30

Speaker: Jihee Sohn (United States)

PS07-29AM-532 **THE HERPESVIRUS NUCLEAR EXPORT PROTEIN BFRF1 ATTENUATES POLYQ-EXPANDED ATAXIN 3 INDUCED TOXICITY IN A DROSOPHILA MODEL OF SCA3** 09:30 - 09:30

Speaker: Ming-Tsan Su (Taiwan)

PS07-29AM-533 **ROLE OF RNA BINDING PROTEINS IN NEURO-DEVELOPMENT AND NEURODEGENERATIVE DISEASES** 09:30 - 09:30

Speaker: Mousumi Mutsuddi (India)

PS07-29AM-534 **UNRAVELING THE LINK BETWEEN KIF13A GENE MUTATION AND MOTOR NEURON DISORDER** 09:30 - 09:30

Speaker: Morteza Heidarzadeh (Turkey)

PS07-29AM-536 **INVESTIGATION OF SPASTIN-RELATED SECONDER DEGENERATIONS IN HEREDITARY SPASTIC PARAPLEGIA-SPG4** 09:30 - 09:30

Speaker: Arzu Karabay (Turkey)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Midbrain Pathways in Behavioural Control

PS07-29AM-001 **ANATOMO-FUNCTIONAL CHARACTERIZATION OF THE TAIL OF THE VENTRAL TEGMENTAL AREA (TVTA/RMTG) IN MICE** 09:30 - 09:30

Speaker: Benjamin Muller (France)

PS07-29AM-002 **CORTICAL CHANGES IN PERINEURONAL NETS AND PARVALBUMIN INTERNEURONS IN CHRONIC PAIN-INDUCED MOOD DISORDERS** 09:30 - 09:30

Speaker: Marilou Lentschat (France)

PS07-29AM-003 **A MIDBRAIN-EXTENDED AMYGDALA PATHWAY CONTROLS CONTEXTUAL FEAR MEMORY** 09:30 - 09:30

Speaker: Kinga Müller (Hungary)

PS07-29AM-004 **VIP-EXPRESSING MIDBRAIN PATHWAY CONTROLS** 09:30 - 09:30

	POTENTIATION OF HIPPOCAMPAL INPUTS TO THE CENTRAL AMYGDALA DURING CONTEXTUAL FEAR LEARNING	
	<i>Speaker:</i> Maria Rita Karlocai (United States)	
PS07-29AM-005	NOXIOUS STIMULUS-RESPONSIVE NEURONS IN THE VENTRAL PERIAQUEDUCTAL GRAY AND DORSAL RAPHE NUCLEUS	09:30 - 09:30
	<i>Speaker:</i> Péter Földi (Hungary)	
PS07-29AM-007	PSYCHOLOGICAL STRESS REGULATION OF ACUTE-PHASE PROTEINS THROUGH THE HEPATIC SYMPATHETIC INNERVATION	09:30 - 09:30
	<i>Speaker:</i> Eden Avishai (Israel)	
PS07-29AM-008	MAPPING NEURONAL ENSEMBLE OF PERIPHERAL IMMUNE RESPONSES	09:30 - 09:30
	<i>Speaker:</i> Megan Sammons (Israel)	
PS07-29AM-009	NEUROCHEMICAL PHENOTYPING OF THE VENTRAL MIDBRAIN-TO-ZONA INCERTA CONNECTION	09:30 - 09:30
	<i>Speaker:</i> FU-YUN HSIAO (Taiwan)	
PS07-29AM-010	INHIBITORY TOP-DOWN PROJECTIONS FROM ZONA INCERTA MEDIATE NEOCORTICAL MEMORY	09:30 - 09:30
	<i>Speaker:</i> Anna Schroeder (Germany)	
PS07-29AM-011	WORRY NOT, THE VTA HAS THE BNST UNDER CONTROL... OR DOES IT?	09:30 - 09:30
	<i>Speaker:</i> Joana Ribeiro (France)	
PS07-29AM-012	THE PARABRACHIAL NUCLEUS RECRUITS VENTRAL TEGMENTAL AREA TO CONVEY NEGATIVE EMOTIONS AND DISENGAGE INSTRUMENTAL FOOD SEEKING	09:30 - 09:30
	<i>Speaker:</i> Syun-Ruei Lee (Taiwan)	
PS07-29AM-013	THE DIVERSITY OF TANYCYTES: BRAIN-WIDE CONNECTIVITY ANALYSIS FROM NEURONS TO TANYCYTES	09:30 - 09:30
	<i>Speaker:</i> Vanessa Neve (Germany)	
PS07-29AM-014	DISTINCT CHANNELS OF THE VENTRAL STRIATOPALLIDAL CIRCUITRY	09:30 - 09:30
	<i>Speaker:</i> Si Yin Lui (Australia)	
PS07-29AM-015	NIGROINCERTAL ACTIVATION ENGAGES LATERAL HABENULA AND PERIAQUEDUCTAL GRAY	09:30 - 09:30
	<i>Speaker:</i> Shi-Hong Chiu (Taiwan)	
PS07-29AM-016	ROLE OF ZONA INCERTA NEURONS IN THE INTEGRATION OF FEEDING AND FEAR	09:30 - 09:30
	<i>Speaker:</i> Harish Ananthakrishnan Iyer (Austria)	
PS07-29AM-017	ROLES OF THE CENTRAL AMYGDALA TO VENTRAL TEGMENTAL AREA PROJECTIONS IN FEAR REGULATION AND THE MECHANISM STUDY	09:30 - 09:30
	<i>Speaker:</i> Chun-Yue Li (China)	
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Glymphatic System Dynamics		
PS07-29AM-549	COUPLING BETWEEN GLOBAL GREY MATTER AND FOURTH VENTRICLE FMRI SIGNALS LINKS WITH BRAIN CLEARANCE IN HUMANS	09:30 - 09:30
	<i>Speaker:</i> Viktor Neumaier (Germany)	
PS07-29AM-550	IMPAIRED GLYMPHATIC CLEARANCE IN SCHIZOPHRENIA	09:30 - 09:30

Speaker: Moritz Bonhoeffer (Germany)

PS07-29AM-551 **CEREBRAL VENOUS BLOOD FLOW REGULATES BRAIN FLUID HOMEOSTASIS AND NEURO-IMMUNE SURVEILLANCE** 09:30 - 09:30

Speaker: Marie-Renee El Kamouh (France)

PS07-29AM-552 **LYMPHATIC VESSELS ACCOMPANYING THE INTERNAL CAROTID AND VERTEBRAL ARTERIES IN HUMAN** 09:30 - 09:30

Speaker: Damlasu Altinöz (Turkey)

PS07-29AM-553 **MODERATELY HIGH LEVELS OF PLASMA METHYLGLYOXAL ARE ASSOCIATED WITH LACUNAR INFARCTS - THE MAASTRICHT STUDY** 09:30 - 09:30

Speaker: Eline Berends (Netherlands)

PS07-29AM-554 **MENINGES AS AN OVERLOOKED PHARMACOLOGICAL TARGET FOR GLOBOID CELL LEUKODYSTROPHY** 09:30 - 09:30

Speaker: Alessia Amenta (Italy)

PS07-29AM-555 **CIRCADIAN CLOCK IN CHOROID PLEXUS IS RESISTANT TO IMMUNE CHALLENGE** 09:30 - 09:30

Speaker: Tereza Dockal (Czech Republic)

PS07-29AM-556 **CHOROID PLEXUS VOLUME AS A PROXY FOR NEUROINFLAMMATION - EVALUATION OF ITS TRANSDIAGNOSTIC, PROGNOSTIC AND THERAPEUTIC BIOMARKER POTENTIAL IN PARKINSONISM** 09:30 - 09:30

Speaker: Liucija Vaicenaviciute (United Kingdom)

PS07-29AM-557 **THE INFLUENCE OF THE TIME OF THE DAY ON THE COUPLING BETWEEN GLOBAL GREY MATTER BOLD AND CSF FLOW SIGNAL IN HEALTHY HUMANS: PRELIMINARY RESULTS** 09:30 - 09:30

Speaker: Leander Müller (Germany)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Diverse Response in Fear Extinction

PS07-29AM-509 **ROLE OF THE NPS SYSTEM IN FEAR EXTINCTION: SEX DIFFERENCES IN EMOTIONAL REGULATION IN MICE** 09:30 - 09:30

Speaker: Marta Méndez-Couz (Germany)

PS07-29AM-510 **MOUSE OBSERVERS' CORTICOSTERONE SECRETION IS INVOLVED IN THE ESTABLISHMENT AND RETRIEVAL OF VICARIOUS FEAR CONDITIONING** 09:30 - 09:30

Speaker: Yi-Han Liao (Taiwan)

PS07-29AM-512 **HIPPOCAMPAL TACR3 AND SYSTEMIC TESTOSTERONE IN MODULATING ANXIETY-ASSOCIATED SYNAPTIC PLASTICITY** 09:30 - 09:30

Speaker: Magdalena Wojtas (Spain)

PS07-29AM-513 **STRONG SEXUAL DIMORPHISM IN THE EVOLUTION OF FEAR MEMORY REVEALED BY BRAIN-WIDE ACTIVATION ANALYSIS** 09:30 - 09:30

Speaker: Ludovico Silvestri (Italy)

PS07-29AM-514 **RETRIEVING FEAR MEMORIES THROUGH THE BASAL AMYGDALA-ACCUMBENS PATHWAY** 09:30 - 09:30

Speaker: Christina-Anna Vallianatou (France)

PS07-29AM-515 **FACILITATION OF SOCIAL FEAR EXTINCTION IN ADOLESCENT MALE MICE** 09:30 - 09:30

Speaker: Sukwon Lee (Korea, Republic of)

PS07-29AM-516 **EXPLORING SEX HORMONES AND MENSTRUAL CYCLE INFLUENCE ON FEAR MEMORY THROUGH A** 09:30 - 09:30

MULTIDIMENSIONAL APPROACH*Speaker:* Jaime Fabregat Nabás (Spain)

PS07-29AM-517 **NT3-TRKC SIGNALING IN THE BRAIN FEAR NETWORK UNDERLIES INTER-INDIVIDUAL DIFFERENCES IN THE FORMATION AND MAINTENANCE OF CONTEXTUAL FEAR EXTINCTION MEMORIES** 09:30 - 09:30

Speaker: Gianluca Masella (Portugal)

PS07-29AM-518 **SEX-SPECIFIC EFFECTS IN FEAR MEMORY GENERALIZATION IN IL-6 KNOCK OUT MICE** 09:30 - 09:30

Speaker: Alice Weiglein (Germany)

PS07-29AM-519 **REGULATION OF FEAR-RELATED BEHAVIOR BY CORTICAL METABOTROPIC GLUTAMATE 5 RECEPTORS (MGLUR5)** 09:30 - 09:30

Speaker: Pawel Matulewicz (Austria)

PS07-29AM-520 **EFFECTS OF SAFETY INSTRUCTIONS ON FEAR EXTINCTION AND EXTINCTION RETRIEVAL IN PATIENTS WITH ANXIETY DISORDERS:** 09:30 - 09:30

Speaker: Armin Zlomuzica (Germany)

PS07-29AM-521 **D1 RECEPTORS IN THE NUCLEUS ACCUMBENS REGULATE SOCIAL FEAR MEMORY PROCESSING** 09:30 - 09:30

Speaker: Fernando Castillo Diaz (Germany)

PS07-29AM-522 **COGNITIVE FACTORS OF SUSCEPTIBILITY TO CONTEXTUAL FEAR GENERALIZATION** 09:30 - 09:30

Speaker: Eva Mikics (Hungary)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Parkinson's Disease Pathogenesis

PS07-29AM-391 **UPREGULATED EXTRACELLULAR MATRIX-RELATED GENES AND IMPAIRED SYNAPTIC ACTIVITY IN DOPAMINERGIC AND HIPPOCAMPAL NEURONS DERIVED FROM PARKINSON'S DISEASE PATIENTS WITH *PINK1* AND *PRKN* MUTATIONS** 09:30 - 09:30

Speaker: Utkarsh Tripathi (Israel)

PS07-29AM-392 **THETA AND GAMMA RHYTHMICITY IN THE PREFRONTAL CORTEX AND NUCLEUS ACCUMBENS REFLECT DISTINCT SOCIAL MOTIVATIONAL STATES IN DIFFERENT STRAINS OF MICE AND RATS** 09:30 - 09:30

Speaker: Rishika Tiwari (Israel)

PS07-29AM-393 **NEURONAL IMPAIRMENT AND TREATMENT PROSPECTS IN SMITH MAGENIS SYNDROME: FINDINGS FROM PATIENT-SPECIFIC NEURONAL MODEL** 09:30 - 09:30

Speaker: Ritu Nayak (Israel)

PS07-29AM-394 **IDENTIFYING CANDIDATE GENES ASSOCIATED WITH HIPPOCAMPAL DYSFUNCTION IN A HEMIPARKINSONIAN RAT MODEL BY TRANSCRIPTOMIC PROFILING** 09:30 - 09:30

Speaker: Changjong Moon (Korea, Republic of)

PS07-29AM-395 **MOLECULAR AND BEHAVIORAL DEFICITS IN LEWY BODY DISEASE MODELS OF *CAENORBABDITIS ELEGANS*** 09:30 - 09:30

Speaker: Rongzhen Li (Macao)

PS07-29AM-396 **PIWI-INTERACTING RNA EXPRESSION REGULATES PATHOGENESIS IN A *CAENORHABDITIS ELEGANS* MODEL OF LEWY BODY DISEASE** 09:30 - 09:30

Speaker: Gary Wong (Macao)

PS07-29AM-397	A GENETIC MODEL OF GAUCHER'S DISEASE IN THE NEMATODE CAENORHABDITIS ELEGANS	09:30 - 09:30
<i>Speaker:</i> Ning Liu (Macao)		
PS07-29AM-398	IDENTIFICATION OF THE STRIATAL MOLECULAR LANDSCAPE IN PARKINSON'S DISEASE MOUSE MODELS	09:30 - 09:30
<i>Speaker:</i> Marta Graziano (Sweden)		
PS07-29AM-399	STRUCTURAL AND FUNCTIONAL ANALYSIS OF ER-MITOCHONDRIAL CONTACT SITES IN PRKN-MUTANT PATIENT DOPAMINERGIC NEURONS DERIVED FROM TYROSINE HYDROXYLASE REPORTER IPSC LINES	09:30 - 09:30
<i>Speaker:</i> Masato Koike (Japan)		
PS07-29AM-400	CHARACTERIZATION OF TRANSGENIC MOUSE LINES OVEREXPRESSING THE OVINE PRION PROTEIN USING WELL-DEFINED SCRAPIE AND BOVINE SPONGIFORM ENCEPHALOPATHY STRAINS	09:30 - 09:30
<i>Speaker:</i> Olanrewaju Fatola (Nigeria)		
PS07-29AM-401	A NEW ZEBRAFISH TRANSGENIC LINE EXPRESSING HUMAN ALPHA-SYNUCLEIN TO STUDY THE BIOLOGICAL BASIS OF PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Silvia Zini (Italy)		
PS07-29AM-402	DIFFERENTIAL EXPRESSION OF CX36 IN THE RETICULO-THALAMIC NUCLEUS AND HIPPOCAMPUS IN A RAT MODEL OF PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Andrea Novakovic (Serbia)		
PS07-29AM-403	MODULATION OF 5-HT4R AFFECTS L-DOPA-INDUCED DYSKINESIA IN UNILATERALLY 6-OHDA LESIONED MICE	09:30 - 09:30
<i>Speaker:</i> Demetra Ballardin (France)		
PS07-29AM-404	UNDERSTANDING MIDBRAIN DOPAMINERGIC CELL FATE ACQUISITION USING MIDBRAIN-LIKE ORGANOID FOR PARKINSON'S DISEASE CELL THERAPY	09:30 - 09:30
<i>Speaker:</i> Hilary Toh (Singapore)		
PS07-29AM-405	UNRAVELLING THE NEUROPROTECTIVE ROLE OF MITOCHONDRIAL QUALITY CONTROL IN LUHMES, A DOPAMINERGIC MODEL OF PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Marta Dominguez-Prieto (United Kingdom)		
PS07-29AM-406	NEUROPATHOLOGY OF THE STRIATUM IN X-LINKED DYSTONIA PARKINSONISM	09:30 - 09:30
<i>Speaker:</i> Oliver Burnett (New Zealand)		
PS07-29AM-407	BEHAVIORAL AND HISTOLOGICAL HALLMARKS OF AN INTRASTRIATAL ROTENONE MOUSE MODEL FOR PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Paula Jauregi Barandica (Austria)		
PS07-29AM-409	SEVERITY ASSESSMENT IN THE UNILATERAL AND BILATERAL 6-OHDA RAT PARKINSON MODEL: TELEMETRIC MONITORING OF HEART RATE AND ACTIVITY	09:30 - 09:30
<i>Speaker:</i> Marcel Roland Oelerich (Germany)		
PS07-29AM-410	FUNCTIONAL CHANGES IN THE BASAL GANGLIA-THALAMUS-CORTEX LOOP IN L-DOPA-INDUCED DYSKINESIA IN A MOUSE MODEL OF UNILATERAL PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Tomokazu Tsurugizawa (Japan)		
PS07-29AM-411	NEURAL ORIGINS OF FORELIMB MOTOR DYSFUNCTIONS IN A MOUSE MODEL OF PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Antea Minetti (Italy)		

PS07-29AM-412	SPATIAL AND FUNCTIONAL PROFILES DISTINGUISH TARGET SETS OF PARKINSON'S DISEASE AND SCHIZOPHRENIA DRUGS WITH DIFFERENT CLINICAL OUTCOMES	09:30 - 09:30
	<i>Speaker:</i> Kalyani Karunakaran (United Kingdom)	
PS07-29AM-413	MOUSE MODEL OF DOPAMINE TRANSPORTER-ASSOCIATED PARKINSONISM AND CO-MORBID PSYCHIATRIC DISEASE	09:30 - 09:30
	<i>Speaker:</i> Jamila Lilja (Denmark)	
PS07-29AM-414	A DEEP SEQUENCING INVESTIGATION OF MITOCHONDRIAL DNA DAMAGE IN CHOLINERGIC NEURONS OF THE PEDUNCULOPONTINE NUCLEUS	09:30 - 09:30
	<i>Speaker:</i> Amelia Lu (United Kingdom)	
PS07-29AM-415	TRANSGENIC MOUSE MODEL OF PARKINSONISM DYSTONIA TYPE2 PKDYS2	09:30 - 09:30
	<i>Speaker:</i> reem alkhatir (Saudi Arabia)	
PS07-29AM-416	COMPARATIVE EXAMINATION OF THE VENTRAL TEGMENTAL AREA IN WILD TYPE AND PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE (PACAP) KNOCKOUT MICE	09:30 - 09:30
	<i>Speaker:</i> Andrea Tamás (Hungary)	
PS07-29AM-417	A COMPREHENSIVE FUNCTIONAL AND OMICS APPROACH IN PATIENT-DERIVED DOPAMINERGIC NEURONS IDENTIFIED A SPECIFIC MOLECULAR SIGNATURE ASSOCIATED TO NOVEL PARKINSON'S DISEASE CANDIDATE GENES	09:30 - 09:30
	<i>Speaker:</i> Giorgio Fortunato (Italy)	
PS07-29AM-418	CHARACTERIZATION OF THE AUTOPHAGIC-LYSOSOMAL PATHWAY IN PARKINSON'S DISEASE USING PATIENT IPSC-DERIVED DOPAMINERGIC NEURONS CONTAINING A LRRK2 G2019S MUTATION	09:30 - 09:30
	<i>Speaker:</i> Sandra Coveney (United States)	
PS07-29AM-419	UNRAVELLING THE ROLE OF CHCHD2 IN MITOCHONDRIAL DYSFUNCTION: IMPLICATIONS FOR PARKINSON'S DISEASE AND BEYOND	09:30 - 09:30
	<i>Speaker:</i> Jule Gerlach (Sweden)	
PS07-29AM-420	ELUCIDATING A NOVEL ROLE OF PARKINSON'S DISEASE-ASSOCIATED PROTEIN PARKIN (PARK2) IN SYNAPTIC MEMBRANE TRAFFICKING	09:30 - 09:30
	<i>Speaker:</i> Sidra Mohamed Yaqoob (Singapore)	
PS07-29AM-421	MORPHOLOGICAL ALTERATIONS OF STRIATAL PERINEURONAL NETS IN A RAT MODEL OF PARKINSONISM AND LEVODOPA-INDUCED DYSKINESIAS	09:30 - 09:30
	<i>Speaker:</i> Nedime Tugce Bilbay (Turkey)	
PS07-29AM-422	INVESTIGATING THE ROLE OF RAB PROTEINS IN MITOCHONDRIAL DYSFUNCTION RELATED TO PARKINSON'S DISEASE	09:30 - 09:30
	<i>Speaker:</i> Martina Brughera (Italy)	
PS07-29AM-423	ANKK1, ANKRD50, GRK5, PACSIN1 AND VPS8 ARE NOVEL CANDIDATE GENES ASSOCIATED WITH LATE ONSET PARKINSON'S DISEASE	09:30 - 09:30
	<i>Speaker:</i> Teresa Esposito (Italy)	
PS07-29AM-424	EFFECTS OF PROGRESSIVE DOPAMINE LOSS ON MOVEMENT CESSATION AND INITIATION: INSIGHTS INTO BASAL GANGLIA NETWORK DYNAMICS FROM A GENETIC MODEL OF PARKINSON'S DISEASE	09:30 - 09:30
	<i>Speaker:</i> Selenia Gonzalez (United States)	

PS07-29AM-425	CONSTRUCTING AN ARTIFICIAL INTELLIGENCE ALGORITHM BASED ON AWAKE MOUSE BRAIN CALCIUM IMAGING AS A RAPID SCREENING PLATFORM FOR THE DEVELOPMENT OF PARKINSON'S DISEASE DRUGS	09:30 - 09:30
<i>Speaker:</i> Shiu-Hwa Yeh (Taiwan)		
PS07-29AM-426	NOVEL INSIGHTS IN OLIGODENDROGLIA AS A KEY CELL TYPE IN PARKINSON'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Juan Manuel Barba Reyes (Spain)		
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Basal Ganglia Dysfunctions		
PS07-29AM-377	CONTRIBUTION OF ARKYPALLIDAL GLOBUS PALLIDUS NEURONS TO LEVODOPA-INDUCED DYSKINESIAS	09:30 - 09:30
<i>Speaker:</i> Lise Guilhemsang (France)		
PS07-29AM-378	CELLULAR AND SYNAPTIC ALTERATIONS OF ARKYPALLIDAL NEURONS IN EXPERIMENTAL PARKINSONISM AND L-DOPA-INDUCED DYSKINESIA	09:30 - 09:30
<i>Speaker:</i> Bonamy Léa (France)		
PS07-29AM-379	NEUROANATOMICAL BASIS FOR THE ANTI-NOCICEPTIVE ROLE OF THE RELAXIN-3/RXFP3 PEPTIDERGIC SYSTEM	09:30 - 09:30
<i>Speaker:</i> Thibault Dhellemmes (France)		
PS07-29AM-380	OPTOGENETIC MANIPULATIONS OF CORTICO-PALLIDAL PATHWAY IMPACT SPECIFIC ASPECTS OF MOTOR BEHAVIOUR IN MICE.	09:30 - 09:30
<i>Speaker:</i> Abdel-Mouttalib Ouagazzal (France)		
PS07-29AM-381	GABAERGIC TRANSMISSION FROM THE EP TO THE THALAMUS	09:30 - 09:30
<i>Speaker:</i> Afef Abu Mukh (Israel)		
PS07-29AM-382	MOTOR ARREST BY STIMULATION OF THE PEDUNCULOPONTINE NUCLEUS DISRUPTS PERCEPTION OF VISUAL CUE IN A VISUOSPATIAL CUE TASK	09:30 - 09:30
<i>Speaker:</i> Madelaine Christine Adamsson Bonfils (Denmark)		
PS07-29AM-383	OPTOGENETIC INHIBITION OF PARVALBUMIN INTERNEURONS IN THE MEDIAL STRIATUM DURING A PERCEPTUAL DECISION-MAKING TASK	09:30 - 09:30
<i>Speaker:</i> Anne Lorenz (France)		
PS07-29AM-384	THE ROLE OF THE EFFERENT VENTRAL PALLIDAL PATHWAYS IN DEFAULT MODE NETWORK REGULATION	09:30 - 09:30
<i>Speaker:</i> Epistimi-Anna Makedona (Switzerland)		
PS07-29AM-385	PREDICTION AND PREVENTION OF COMPULSIVE BEHAVIORS BY CLOSED-LOOP OPTOGENETIC RECRUITMENT OF STRIATAL INTERNEURONS	09:30 - 09:30
<i>Speaker:</i> Eric Burguiere (France)		
PS07-29AM-386	SENSORY PROCESSING AND MEMBRANE PROPERTIES OF EXTERNAL GLOBUS PALLIDUS NEURONS IN DOPAMINE DEPLETED MICE	09:30 - 09:30
<i>Speaker:</i> Feng Du (Sweden)		
PS07-29AM-387	ASTROCYTES IN GLOBUS PALLIDUS EXTERNA INTEGRATE SENSORY INFORMATION THROUGH DOPAMINE D2 RECEPTORS	09:30 - 09:30
<i>Speaker:</i> Zisis Bimpisidis (Italy)		
PS07-29AM-388	CONTRIBUTION OF GLUTAMATERGIC PPN NEURONS TO MOTOR CONTROL	09:30 - 09:30

Speaker: Abderrahman Fettah (France)

PS07-29AM-389 **MOVEMENT COORDINATION VIA A CORTICO-PONTO-THALAMIC LOOP** 09:30 - 09:30

Speaker: Emília Bósz (Hungary)

PS07-29AM-390 **THE ROLE OF GPI-LHB SOMATOSTATIN-EXPRESSING NEURONS IN MOTOR ACTIONS AND MOTIVATION** 09:30 - 09:30

Speaker: Alessandro Contestabile (Sweden)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Long-Term Memory Mechanisms

PS07-29AM-109 **THE EFFECT OF STIMULUS MODALITY AND STIMULUS COMPLEXITY ON ASSOCIATIVE EQUIVALENCE LEARNING IN HEALTHY HUMANS** 09:30 - 09:30

Speaker: Noémi Harcsa-Pintér (Hungary)

PS07-29AM-110 **VISUAL ASSOCIATIVE LEARNING IN MIGRAINE: THE IMPACT OF STIMULUS COMPLEXITY AND SEMANTIC CONTENT** 09:30 - 09:30

Speaker: Kálmán Tót (Hungary)

PS07-29AM-111 **SEMANTIC MEMORIES ARE NOT GENERATED FROM MULTIPLE EPISODIC MEMORIES** 09:30 - 09:30

Speaker: Anumita Samanta (Netherlands)

PS07-29AM-112 **EFFECTS OF HIGH INTENSITY WHITE NOISE ON SHORT-TERM AND LONG-TERM MEMORY ON MALE AND FEMALE RATS** 09:30 - 09:30

Speaker: Nino Pochkhidze (Georgia)

PS07-29AM-114 **ROLE OF GREEN TEA CATECHIN IN ENHANCING LONG-TERM MEMORY VIA TASTE AVERSION CONDITIONING IN THE POND SNAIL, *LYMNAEA STAGNALIS*** 09:30 - 09:30

Speaker: Yoshimasa Komatsuzaki (Japan)

PS07-29AM-115 **ROLE OF IONOTROPIC GLUTAMATE RECEPTORS IN MULTIMODAL LEARNING OF PHEROMONE LOCATIONS** 09:30 - 09:30

Speaker: Shruti Dattatray Marathe (India)

PS07-29AM-116 **EFFECT OF PSYCHOTOMIMETIC DIZOCILPINE ON COORDINATION OF PLACE AND TIME REPRESENTATIONS IN RATS** 09:30 - 09:30

Speaker: Eduard Kelemen (Czech Republic)

PS07-29AM-117 **SEX DIMORPHIC ROLE OF NMDA RECEPTORS IN HIPPOCAMPAL-DEPENDENT SPATIAL MEMORY AND PLASTICITY DURING JUVENILITY** 09:30 - 09:30

Speaker: Nisha Rajan Narattil (Israel)

PS07-29AM-118 **RETRIEVAL INHIBITION DURING SENSORIMOTOR CONSOLIDATION MODULATES MEMORY RETENTION** 09:30 - 09:30

Speaker: Masuto Ryosuke (Japan)

PS07-29AM-119 **ENCODING OF NEW AND OLD MEMORY DURING WAKE AND QUIESCENT STATES IN A PHARMACOLOGICAL MODEL OF PSYCHOSIS BY THE NMDA RECEPTOR BLOCKER MK-801** 09:30 - 09:30

Speaker: Karel Blahna Blahna (Czech Republic)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Innovation in Neuronal Interventions

PS07-29AM-343 **DISSOCIATED NEUROVASCULAR RESPONSE TO** 09:30 - 09:30

	MICROELECTRODE STIMULATION IN MOUSE VISUAL CORTEX UNDER TWO PHOTON MICROSCOPY AND EPIFLUORESCENCE IMAGING	
	<i>Speaker:</i> Alexandra Yonza (Denmark)	
PS07-29AM-344	RESPONSE MODULATION DYNAMICS OF MULTI-ELECTRODE STIMULATION IN THE MOUSE VISUAL CORTEX UNDER TWO PHOTON MICROSCOPY	09:30 - 09:30
	<i>Speaker:</i> Kayeon Kim (Denmark)	
PS07-29AM-345	EVALUATING THE SPREAD OF EXCITATION WITH DIFFERENT TYPES OF OPTOGENETIC COCHLEAR STIMULATION THROUGH COMPUTER SIMULATIONS AND <i>IN VIVO</i> ELECTROPHYSIOLOGY	09:30 - 09:30
	<i>Speaker:</i> Elisabeth Koert (Germany)	
PS07-29AM-346	VISUALIZATION OF THE INTACT COCHLEA AND ITS ARCHITECTURE BY NEWLY REFINED LIGHT SHEET FLUORESCENCE MICROSCOPY	09:30 - 09:30
	<i>Speaker:</i> Lennart Roos (Germany)	
PS07-29AM-347	EVALUATION OF OPTOGENETIC GENE THERAPY FOR HEARING RESTORATION IN <i>IN VIVO</i> RODENT MODELS OF SENSORINEURAL HEARING LOSS	09:30 - 09:30
	<i>Speaker:</i> Victoria Hunniford (Germany)	
PS07-29AM-348	ADVANCING OPTOGENETIC HEARING RESTORATION THROUGH CROSS-MODAL OPTIMIZATION	09:30 - 09:30
	<i>Speaker:</i> Anna Vavakou (Germany)	
PS07-29AM-349	NEURONAL DIVERSITY IN THE ANTEROVENTRAL COCHLEAR NUCLEUS OF MONGOLIAN GERBIL	09:30 - 09:30
	<i>Speaker:</i> Sabina Nowakowska (Germany)	
PS07-29AM-350	EFFECT OF ELECTRICAL MICROSTIMULATION PARAMETERS ON <i>IN VIVO</i> NEURONAL CALCIUM RESPONSES IN THE VISUAL CORTEX OF MICE	09:30 - 09:30
	<i>Speaker:</i> Eszter Nguyen (Hungary)	
PS07-29AM-351	HIGH PRECISION ULTRASOUND STIMULATION OF THE RETINA WITH PHOTOACOUSTIC MEMBRANE	09:30 - 09:30
	<i>Speaker:</i> Audrey Leong (France)	
PS07-29AM-352	CARBON-BASED NEURAL INTERFACES TO PROBE RETINAL AND CORTICAL CIRCUITS WITH FUNCTIONAL ULTRASOUND IMAGING <i>IN VIVO</i>	09:30 - 09:30
	<i>Speaker:</i> Julie Zhang (France)	
PS07-29AM-353	SONOGENETICS: FROM THE MECHANO-SENSITIVE CHANNEL TO BRAIN STIMULATION FOR VISUAL RESTORATION	09:30 - 09:30
	<i>Speaker:</i> Erwan Dessailly (France)	
PS07-29AM-354	OPTOGENETICS STIMULATION IN THE VISUAL THALAMUS FOR FUTURE BRAIN VISION PROSTHESES	09:30 - 09:30
	<i>Speaker:</i> Florian Fallegger (France)	
PS07-29AM-355	DEVELOPMENT AND APPLICATION OF L-SHAPED VERTICAL MICRO-COILS FOR <i>IN VIVO</i> NEUROSTIMULATION IN TWO-PHOTON MICROSCOPY	09:30 - 09:30
	<i>Speaker:</i> Xiyuan Liu (Denmark)	
PS07-29AM-356	NEURONAL MORPHOLOGY IMPACTS OPTOGENETIC STIMULATION PRECISION	09:30 - 09:30
	<i>Speaker:</i> David Berling (Czech Republic)	
PS07-29AM-357	A RETINA-INSPIRED OPTOELECTRONIC SYNAPSE USING QUANTUM DOTS FOR NEUROMORPHIC PHOTOSTIMULATION OF	09:30 - 09:30

NEURONS*Speaker:* Ridvan Balamur (Turkey)

PS07-29AM-358 **TOWARDS A VISUAL PROSTHESIS RESPECTING CORTICAL FUNCTIONAL REPRESENTATIONS** 09:30 - 09:30

Speaker: Karolína Korvasová (Czech Republic)

PS07-29AM-359 **A RETINOTOPIC-AND-ORIENTATION-BASED STIMULATION STRATEGY INDUCES NEURAL ACTIVITY PATTERNS MIMICKING NATURAL VISION** 09:30 - 09:30

Speaker: Ján Antolík (Czech Republic)

PS07-29AM-360 **RETINOTOPIC CHARACTERIZATION OF PRIMATE VISUAL CORTEX USING FUNCTIONAL ULTRASOUND IMAGING FOR SONOGENETIC STIMULATION** 09:30 - 09:30

Speaker: Ignacio Alcalá (France)

PS07-29AM-361 **UNVEILING THE POTENTIAL OF PATTERN-STIMULATION IN VISUAL PROSTHESES FOR ACTIVITIES OF DAILY LIVING** 09:30 - 09:30

Speaker: Dorota Waclawczyk (Spain)

PS07-29AM-362 **COMPARISON OF MODULATION EFFICIENCY BETWEEN NORMAL AND DEGENERATED PRIMATE RETINA** 09:30 - 09:30

Speaker: YONG SOOK GOO (Korea, Republic of)

PS07-29AM-363 **COMPARING THE EFFECTS OF OPTOGENETIC AND ELECTRICAL STIMULATION OF MACAQUE V1 ON VISUAL BEHAVIOUR** 09:30 - 09:30

Speaker: Marta Falkowska (Switzerland)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Serotonin

PS07-29AM-018 **BRAIN SEROTONIN DEFICIENCY AFFECTS EARLY POSTNATAL DEVELOPMENT AND BEHAVIOR** 09:30 - 09:30

Speaker: Laura Boreggio (Germany)

PS07-29AM-019 **EXTRAEMBRYONIC SOURCE OF SEROTONIN INVOLVED IN NEURODEVELOPMENT** 09:30 - 09:30

Speaker: Niccolò Milani (Germany)

PS07-29AM-020 **SLC6A4 AND TPH2 METHYLATION AS POTENTIAL BIOMARKERS TO INFORM ANTIDEPRESSANT TREATMENT CHOICES** 09:30 - 09:30

Speaker: Silvia Elisabetta Portis Bruzzone (Denmark)

PS07-29AM-021 **LEVELS OF SEROTONIN DURING BRAIN DEVELOPMENT IMPORTANT FOR THE FUNCTIONAL INTERPLAY OF INSTRUCTING TRANSMITTER SYSTEMS** 09:30 - 09:30

Speaker: Marta Samina (Netherlands)

PS07-29AM-022 **DECREASED BRAIN SEROTONIN IN RBFOX1 MUTANT ZEBRAFISH AND PARTIAL REVERSION OF BEHAVIOURAL ALTERATIONS BY THE SSRI FLUOXETINE** 09:30 - 09:30

Speaker: Maja R. Adel (Spain)

PS07-29AM-023 **SHARED GENETICS BETWEEN ADDICTION, AGGRESSION AND RELATED BEHAVIOURAL TRAITS** 09:30 - 09:30

Speaker: Edurne Gago Garcia (Spain)

PS07-29AM-024 **MEDIAL PREFRONTAL CORTEX SEROTONIN DYNAMICS IN SOCIAL AND SOCIO-COGNITIVE PROCESSES** 09:30 - 09:30

Speaker: Marco Niello (Italy)

PS07-29AM-025 **SEROTONIN1A-RECEPTOR-MEDIATED SIGNALING IN ASTROCYTES AND ITS INFLUENCE ON MAJOR DEPRESSIVE** 09:30 - 09:30

DISORDER*Speaker:* Svenja Bremshey (Germany)

PS07-29AM-026 **HETERODIMERIZATION AND INTERACTION OF THE SEROTONIN-RECEPTORS 5-HT1A AND 5-HT2C** 09:30 - 09:30

Speaker: Imandra Kempe (Germany)

PS07-29AM-027 **HIV-1 TAT PROTEIN INDUCES INHIBITION OF SEROTONIN TRANSPORTER IN THE MIDBRAIN AND INCREASES SEROTONIN RELEASE DYNAMICS IN THE SUBSTANTIA NIGRA OF INDUCIBLE TAT TRANSGENIC MICE** 09:30 - 09:30

Speaker: Jun Zhu (United States)

PS07-29AM-028 **MODULATION OF PREFRONTAL CORTEX NETWORK DYNAMICS: A PIVOTAL ROLE OF SEROTONIN?** 09:30 - 09:30

Speaker: Juliana Gross (Germany)

PS07-29AM-029 **INHIBITORY EFFECT OF SEROTONIN ON HRP-BASED PROXIMITY LABELLING** 09:30 - 09:30

Speaker: Zora Chui Kuen Chan (United Kingdom)

PS07-29AM-030 **5-HT DYNAMICS IN A MOUSE MODEL OF DEPRESSION** 09:30 - 09:30

Speaker: Kim Renken (Germany)

PS07-29AM-031 **CADHERIN-13 DEFICIENCY IMPACTS MURINE SEROTONERGIC CIRCUITRIES AND COGNITIVE FUNCTION** 09:30 - 09:30

Speaker: Catharina Hamann (Germany)

PS07-29AM-032 **MOM MATTERS: EXPOUND THE INFLUENCE OF THE MATERNAL SEROTONIN TRANSPORTER GENOTYPE ON OFFSPRING'S NEURODEVELOPMENT** 09:30 - 09:30

Speaker: Lingling Mai (Netherlands)

PS07-29AM-033 **SEROTONIN REGULATES IMMUNE CELL INFILTRATION TO THE BRAIN COMPARTMENT** 09:30 - 09:30

Speaker: Dorit Farfara Cohen (Israel)

PS07-29AM-035 **OREXIN RECEPTOR 1 AND 5-HYDROXYTRIPTAMINE 2C RECEPTOR FORM HETEROMERS WITH FUNCTIONAL IMPLICATIONS** 09:30 - 09:30

Speaker: Africa Flores (Spain)

PS07-29AM-036 **FRONTO-STRIATAL DYNAMICS AND OPTOGENETIC APPROACHES TO REMODEL IMPULSIVE CHOICE** 09:30 - 09:30

Speaker: Nikita Gorbunov (Germany)

PS07-29AM-037 **PERINATAL SEROTONIN SIGNALLING DYNAMICALLY INFLUENCES THE DEVELOPMENT OF GABAERGIC CIRCUITS WITH CONSEQUENCES FOR LIFELONG SENSORY PERCEPTION** 09:30 - 09:30

Speaker: Gabriel Ocana Santero (United Kingdom)

PS07-29AM-038 **TPH2 KNOCKOUT RATS CANNOT ACCEPT SOCIAL DEFEAT IN RESIDENT-INTRUDER TEST** 09:30 - 09:30

Speaker: Ilya Zhukov (Russian Federation)

PS07-29AM-039 **UNLOCKING THE POTENTIAL OF PARTIAL EFFICACY: A NOVEL INSIGHT INTO MONOAMINE NEUROTRANSMITTER TRANSPORTERS** 09:30 - 09:30

Speaker: MOHAMMAD NAZMUL ISLAM (Austria)

PS07-29AM-040 **FLUORESCENT DRUG CONJUGATES FOR IMAGING THE SEROTONIN TRANSPORTER** 09:30 - 09:30

Speaker: Oliver Belleza (Austria)

PS07-29AM-041 **NEUROCHEMICAL MECHANISMS UNDERLYING SEROTONERGIC MODULATION OF NEUROPLASTICITY IN HUMANS** 09:30 - 09:30

Speaker: Lorena de Melo (Germany)

PS07-29AM-042 **ASSOCIATION BETWEEN NEWLY IDENTIFIED SEROTONIN TRANSPORTER MISSENSE VARIANTS AND CHRONIC AFFECTIVE DISORDERS: MOLECULAR INSIGHTS AND POTENTIAL THERAPEUTIC AVENUE** 09:30 - 09:30

Speaker: Jade Degrandmaison (Denmark)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Neurodegenerative Disease Mechanisms

PS07-29AM-224 **LIPID DROPLET PATHOLOGY IN THE HIPPOCAMPUS OF AGED WILD-TYPE AND PERILIPIN2 KNOCKOUT MICE** 09:30 - 09:30

Speaker: Mona Havik (Norway)

PS07-29AM-225 **IMPACT OF TYPE 2 DIABETES AND HIGH-INTENSITY INTERVAL EXERCISE ON NEUROGENESIS, ANGIOGENESIS, AND THE ACCUMULATION OF LIPID DROPLETS IN THE HIPPOCAMPUS** 09:30 - 09:30

Speaker: Harald Stranger Mjønes (Norway)

PS07-29AM-226 **INVESTIGATING LIPID DROPLET REGULATION AND MICROGLIA ACTIVATION AS INTRINSIC ADAPTATIONS IN BRAINS OF THE AFRICAN NAKED MOLE RAT** 09:30 - 09:30

Speaker: Liv Svenningsson Krogstad (Norway)

PS07-29AM-227 **CELL-SPECIFIC REGULATION OF NEURONAL AND GLIAL GLUCOSE METABOLISM BY NEURODEGENERATION-ASSOCIATED PROTEIN TDP-43** 09:30 - 09:30

Speaker: Ismail Gbadamosi (Poland)

PS07-29AM-228 **NEUROTOXIN MEDIATED NEURONAL DYSFUNCTION REGULATED BY LYSOSOMAL FUNCTION** 09:30 - 09:30

Speaker: Jinhong Wie (Korea, Republic of)

PS07-29AM-229 **EXPLORING SHARED PATHWAYS THAT CONTRIBUTE TO BOTH NORMAL BRAIN AGING AND NEURODEGENERATIVE DISORDERS** 09:30 - 09:30

Speaker: Nilashma Laha (India)

PS07-29AM-230 **AUTO-NRIP ANTIBODY IS ASSOCIATED WITH AMYOTROPHIC LATERAL SCLEROSIS DISEASE PROGRESSION** 09:30 - 09:30

Speaker: Show-Li Chen (Taiwan)

PS07-29AM-231 **TROPOMYOSIN DEPLETION AFFECTS NEURAL CELL DEVELOPMENT, SIGNALLING AND UPTAKE OF PATHOLOGICAL PROTEINS** 09:30 - 09:30

Speaker: Sian Genoud (Australia)

PS07-29AM-232 **TUSC5 ROLE IN GLOBAL AND NEURONAL METABOLISM** 09:30 - 09:30

Speaker: Tudor Constantin Badea (Romania)

PS07-29AM-233 **CHANGES IN NEUROTRANSMITTER ATP/ADENOSINE DYNAMICS IN THE PATHOGENESIS OF METABOLIC LIVER DISEASES** 09:30 - 09:30

Speaker: Tomoko Tokumaru (Japan)

PS07-29AM-234 **IRREVERSIBLE SHIFT OF TDP-43 INTO THE CYTOPLASM ALTERS ITS PROTEIN NETWORK** 09:30 - 09:30

Speaker: Jerneja Nimac (Slovenia)

PS07-29AM-235 **EXPRESSION OF MEMBRANE PROTEINS IS DISRUPTED IN C9ORF72 MUTATION ALS AND FTD** 09:30 - 09:30

Speaker: Urša Čerček (Slovenia)

PS07-29AM-236 **INVESTIGATING THE MOLECULAR BASIS FOR SELECTIVE VULNERABILITY IN FET-LINKED AMYOTROPHIC LATERAL** 09:30 - 09:30

SCLEROSIS (ALS) AND FRONTO-TEMPORAL DEMENTIA (FTD)*Speaker:* Laura Aiwanse Odemwingie (United Kingdom)

PS07-29AM-237 **CEREBELLAR NEURODEGENERATION IN PHOSPHOLIPID FLIPPASES ATP8A1/ATP8A2 DOUBLE KNOCK-OUT MICE CAN BE AMELIORATED BY INACTIVATING A MICROGLIAL PS RECEPTOR** 09:30 - 09:30

Speaker: Shu Tokunaga (Japan)

PS07-29AM-238 **SHEDDING LIGHT ON CENTRAL NERVOUS SYSTEM TREHALOSE ACTIVITY** 09:30 - 09:30

Speaker: Luca Murru (Italy)

PS07-29AM-239 **COMPARATIVE PROTEOMIC PROFILING TO IDENTIFY MECHANISMS GOVERNING NERVOUS SYSTEM STABILITY IN NEURODEGENERATIVE DISEASE.** 09:30 - 09:30

Speaker: Swetha Umashankar (United Kingdom)

PS07-29AM-240 **RNA-BINDING PROPERTIES INFLUENCE PHASE SEPARATION OF TDP-43 IN VIVO** 09:30 - 09:30

Speaker: Cindy Maurel (Australia)

PS07-29AM-241 **HYPERLIPIDEMIA DOES NOT SUPPRESS MITOPHAGY IN THE HIPPOCAMPUS** 09:30 - 09:30

Speaker: Naz Mengi Camur (Turkey)

PS07-29AM-244 **DYSREGULATED LIPID METABOLISM AND NEUROINFLAMMATION FOLLOWING HIGH FAT DIET IN THE TDP-43^{Q331K-LOW} TRANSGENIC MOUSE MODEL OF ALS-FTD** 09:30 - 09:30

Speaker: Cortina Chen (United Kingdom)

PS07-29AM-242 **MULTI-OMICS APPROACH IDENTIFIED A NETWORK OF LIPIDS AND PROTEINS ASSOCIATED TO LYSOSOMAL AND MITOCHONDRIAL METABOLISM IN PARKINSON'S DISEASE PATIENTS CARRYING MUTATIONS IN TMEM175 GENE** 09:30 - 09:30

Speaker: Federica Carrillo (Italy)

PS07-29AM-245 **REGULATION OF TMEM106B, A GENE IMPLICATED IN NEURODEGENERATION, BY NEURONAL SRC KINASE** 09:30 - 09:30

Speaker: Gareth Evans (United Kingdom)

PS07-29AM-246 **STUDY OF LIPID DROPLETS IN BRAIN AGING AND NEURODEGENERATION** 09:30 - 09:30

Speaker: Emanuela Grillo (Italy)

PS07-29AM-247 **THE EFFECT OF ALTERED GANGLIOSIDE COMPOSITION ON LEPTIN RECEPTOR AND NA⁺,K⁺-ATPASE IN MOUSE THALAMUS** 09:30 - 09:30

Speaker: Vinka Potočki (Croatia)

PS07-29AM-248 **MOLECULAR ELUCIDATION OF LIPOFUSCIN IN THE AGING BRAIN AND A RARE PEDIATRIC DEMENTIA** 09:30 - 09:30

Speaker: Sofia Tieze (United States)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Vesicles and Neuroinflammation

PS07-29AM-313 **SMALL EXTRACELLULAR VESICLE-BRAIN ENDOTHELIAL CELL INTERACTOME IDENTIFIED BY PROXIMITY-DEPENDENT BIOTINYLATION AT THE BLOOD-BRAIN BARRIER IN VITRO** 09:30 - 09:30

Speaker: Adrián Klepe (Austria)

PS07-29AM-314 **ESTABLISHMENT OF AN IN VITRO PATIENT-DERIVED HIPSC-BASED BLOOD-BRAIN BARRIER MODEL OF SYNGAP1 DISORDER** 09:30 - 09:30

Speaker: Nikoletta Kardos-Török (Austria)

PS07-29AM-315	TO PAVE THE SILK ROAD: A FUNCTIONALIZED MICROVASCULATURE NETWORK FOR THE BLOOD-BRAIN INTERFACE	09:30 - 09:30
<i>Speaker:</i> Ciro De Luca (Italy)		
PS07-29AM-316	DEVELOPMENT OF AN ORGAN-ON-CHIP PLATFORM FOR THE CO-CULTURE OF MOUSE ORGANOTYPIC BRAIN SLICES WITH ENDOTHELIAL CELLS	09:30 - 09:30
<i>Speaker:</i> Tando Maduna (Germany)		
PS07-29AM-317	IL-4-INDUCED MICROGLIA-DERIVED SMALL EXTRACELLULAR VESICLES EXHIBIT CYTOPROTECTIVE EFFECTS AGAINST LPS-INDUCED MICROGLIAL DAMAGE THROUGH MIR-191-5P	09:30 - 09:30
<i>Speaker:</i> Aysen Cotuk (Turkey)		
PS07-29AM-318	ASSESSMENT OF NEURORESTORATIVE PROPERTIES OF INTRANASALLY ADMINISTERED COLOSTRUM-DERIVED EXOSOMES IN THE PERIVENTRICULAR LEUKOMALACIA MODEL	09:30 - 09:30
<i>Speaker:</i> Serife Beyza Türe (Turkey)		
PS07-29AM-319	CHARACTERIZING NERVE-DERIVED EXTRACELLULAR VESICLES: POTENTIALS AND PITFALLS	09:30 - 09:30
<i>Speaker:</i> Rachele Rossi (Denmark)		
PS07-29AM-320	SATELLITE GLIAL CELL HETEROGENEITY	09:30 - 09:30
<i>Speaker:</i> Ole Ahlgreen (Denmark)		
PS07-29AM-321	EXTRACELLULAR VESICLES: AN EXPLORATION INTO THE BI-DIRECTIONAL CROSSTALK OF ENDOTHELIAL CELLS AND ASTROCYTES AT THE BLOOD BRAIN BARRIER	09:30 - 09:30
<i>Speaker:</i> Natalija Aleksejenko (Ireland)		
PS07-29AM-322	EXTRACELLULAR VESICLES FROM MSCS REVERSE NEUROINFLAMMATION IN CEREBELLUM AND RESTORE MOTOR COORDINATION IN HYPERAMMONEMIC RATS	09:30 - 09:30
<i>Speaker:</i> Paula Izquierdo-Altarejos (Spain)		
PS07-29AM-323	PLASMA EXTRACELLULAR VESICLES FROM HYPERAMMONEMIA RATS INDUCE NEUROINFLAMMATION IN THE HIPPOCAMPUS AND COGNITIVE IMPAIRMENT IN CONTROL RATS	09:30 - 09:30
<i>Speaker:</i> Maria Pedrosa Sanchez (Spain)		
PS07-29AM-324	CHARACTERIZATION OF EXOSOMES ISOLATED FROM GLIOBLASTOMA (U-87) CELLS AND THEIR USE AS PROPHYLACTIC IN ALZHEIMER'S DISEASE	09:30 - 09:30
<i>Speaker:</i> Büşra Yılmaz (Turkey)		
PS07-29AM-325	DO NEUROTRANSMITTERS REGULATE ASTROCYTE-DERIVED EXTRACELLULAR VESICLE SECRETION AND MIRNA CONTENT?	09:30 - 09:30
<i>Speaker:</i> Rebecca Hekking (France)		
PS07-29AM-326	EXTRACELLULAR VESICLES FROM MESENCHYMAL STEM CELLS ALTER GUT MICROBIOTA AND IMPROVE NEUROINFLAMMATION AND MOTOR IMPAIRMENT IN RATS WITH MILD LIVER DAMAGE	09:30 - 09:30
<i>Speaker:</i> Gergana Mincheva (Spain)		
PS07-29AM-327	THE EVOLUTIONARILY CONSERVED CHOROID PLEXUS MAINTAINS THE HOMEOSTASIS OF BRAIN VENTRICLES IN ZEBRAFISH	09:30 - 09:30
<i>Speaker:</i> Inyoung Jeong (Jung) (Norway)		
PS07-29AM-328	POST-TRANSCRIPTIONAL REGULATION OF NEURODEVELOPMENT MEDIATED BY EXTRACELLULAR VESICLES	09:30 - 09:30
<i>Speaker:</i> Barbara Oliveira (Austria)		

PS07-29AM-329	AGING OF THE BLOOD-BRAIN BARRIER: METABOLIC PROFILING OF MOUSE BRAIN ENDOTHELIAL CELL SENESENCE	09:30 - 09:30
<i>Speaker:</i> Hari Baskar Balasubramanian (Austria)		
PS07-29AM-330	THE JANUS FACES OF NANOPARTICLES AT THE NEUROVASCULAR UNIT: A DOUBLE EDGE SWORD IN NEURODEGENERATION	09:30 - 09:30
<i>Speaker:</i> Giulia Terribile (Italy)		
PS07-29AM-331	THE AIR WE BREATHE, THE BRAIN WE HAVE	09:30 - 09:30
<i>Speaker:</i> Giulio Alfredo Sancini (Italy)		
PS07-29AM-332	STUDYING KARYOPTOSIS: CELL DEATH IN THE CONTEXT OF EV-MEDIATED NEURON-GLIA SIGNALLING	09:30 - 09:30
<i>Speaker:</i> Jodi Barnard (United Kingdom)		
PS07-29AM-333	BRAIN-PENETRATING NANOBODIES ILLUSTRATE ROUTES FOR DELIVERING BIOLOGICS TO THE BRAIN	09:30 - 09:30
<i>Speaker:</i> Mireille Elodie Tsitokana (France)		
PS07-29AM-334	BLOOD-BRAIN BARRIER ON-A-CHIP TO STUDY COMPOUND-INDUCED DISRUPTION	09:30 - 09:30
<i>Speaker:</i> Flora Kovacs (Netherlands)		
PS07-29AM-335	DYNAMIC TRANSCELLULAR MOLECULAR EXCHANGE: A NOVEL VIEW ON EXTRACELLULAR MATRIX REMODELLING	09:30 - 09:30
<i>Speaker:</i> Svilen Georgiev (Germany)		
PS07-29AM-336	SURFACE PROTEOPROFILING OF MECHANOSENSING IN BRAIN ENDOTHELIAL CELL HEALTH	09:30 - 09:30
<i>Speaker:</i> Jacqueline Hammer (Switzerland)		
PS07-29AM-337	NRF2 IN BRAIN ENDOTHELIAL CELLS CONTROLS NEUROINFLAMMATION	09:30 - 09:30
<i>Speaker:</i> Haoyu Zou (United Kingdom)		
PS07-29AM-338	NX210C PEPTIDE: A DRUG CANDIDATE TO REPAIR THE BBB IN NEUROLOGICAL DISORDERS	09:30 - 09:30
<i>Speaker:</i> Sighild Lemarchant (France)		
PS07-29AM-339	HUMAN BBB-ON-A-CHIP REVEALS BARRIER DISRUPTION, ENDOTHELIAL INFLAMMATION, AND T CELL MIGRATION UNDER NEUROINFLAMMATORY CONDITIONS	09:30 - 09:30
<i>Speaker:</i> Silvano Paternoster (Netherlands)		
PS07-29AM-340	NOVEL NANOSCALE CELLULAR CONNECTIONS BETWEEN VASCULAR ENDOTHELIAL CELLS AND PERIVASCULAR GLIA AND BETWEEN NEURONS AND GLIA IN THE DEVELOPING BRAIN REVEALED BY 3D-EM	09:30 - 09:30
<i>Speaker:</i> Hitoshi Komuro (France)		
PS07-29AM-342	DECIPHERING THE ROLE OF SPECIFIC MEMBRANE TRANSPORTERS IN EXTRACELLULAR VESICLES	09:30 - 09:30
<i>Speaker:</i> Franco Luis Lombino (Austria)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Auditory System Dynamics		
PS07-29AM-427	A SET OF RHYTHMIC FEATURES DETERMINES THE NEURONAL REPRESENTATION AND PERCEPTION OF PULSED AUDITORY STIMULI	09:30 - 09:30
<i>Speaker:</i> Johannes P.-H. Seiler (Germany)		
PS07-29AM-428	HOMEOSTASIS OF A REPRESENTATIONAL MAP IN THE MOUSE	09:30 - 09:30

AUDITORY CORTEX

Speaker: Simon Rumpel (Johannes Gutenberg University Mainz, Institute of Physiology, Systemic Neuroscience Group, Germany)

PS07-29AM-429 **FORGETTING SLOWS DOWN REVERSAL LEARNING IN BEHAVING MICE AND ARTIFICIAL NEURONAL NETWORKS** 09:30 - 09:30

Speaker: Jonas Elpelt (Germany)

PS07-29AM-430 **NEURAL DYNAMICS AND REPRESENTATIONAL DRIFT OF INHIBITORY NEURONS IN MOUSE AUDITORY CORTEX** 09:30 - 09:30

Speaker: Thomas Lai (Germany)

PS07-29AM-431 **IMAGING COLLECTIVE SYNAPTIC DYNAMICS IN THE MOUSE AUDITORY CORTEX DURING LEARNING** 09:30 - 09:30

Speaker: Altug Kamacioglu (Germany)

PS07-29AM-432 **DECIPHERING INTERNAL PROCESSING STATES IN THE AUDITORY CORTEX THROUGH DYNAMIC INTERPLAY OF EVOKED AND SPONTANEOUS POPULATION ACTIVITY** 09:30 - 09:30

Speaker: Andrey Sobolev (Germany)

PS07-29AM-433 **REMARKABLY PRECISE SOUND DURATION DISCRIMINATION IN RODENTS: BEHAVIORAL AND NEURONAL INSIGHTS FROM A NATURALISTIC PARADIGM** 09:30 - 09:30

Speaker: Miguel Bengala (Germany)

PS07-29AM-434 **RESPIRATORY ENTRAINMENT TO AUDITORY HIERARCHY** 09:30 - 09:30

Speaker: Alessandro Tavano (Germany)

PS07-29AM-435 **RAPID AUDITORY LOOMS ELICIT THREAT-RELATED CORTICOCORTICAL CONNECTIVITY** 09:30 - 09:30

Speaker: Karolina Ignatiadis (Austria)

PS07-29AM-436 **THE ROLE OF SUBCORTICAL-CORTICAL INTERACTIONS IN LEARNING SOUND STATISTICS** 09:30 - 09:30

Speaker: irene onorato (Germany)

PS07-29AM-437 **AMBIENT SOUND STIMULATION REGULATES RADIAL GROWTH OF MYELIN AND TUNES AXONAL CONDUCTION VELOCITY IN THE AUDITORY PATHWAY** 09:30 - 09:30

Speaker: Mihai Stancu (Germany)

PS07-29AM-438 **WHAT HAPPENS TO THE NEURAL CODE OF CONSONANTS WHEN PRESENTED IN BACKGROUND NOISE** 09:30 - 09:30

Speaker: Amarins Heeringa (Germany)

PS07-29AM-439 **HOW THE AUDITORY BRAINSTEM OF BATS DETECTS REGULARITY DEVIATIONS IN A NATURALISTIC STIMULATION PARADIGM** 09:30 - 09:30

Speaker: Johannes Wetekam (Germany)

PS07-29AM-440 **FUNCTIONAL SPECIFICITY OF AUDITORY INPUTS TO THE VISUAL CORTEX** 09:30 - 09:30

Speaker: Alexander Egea Weiss (United Kingdom)

PS07-29AM-441 **REPRESENTATION OF SOUNDS IN THE CORTEX OF NAKED MOLE-RATS** 09:30 - 09:30

Speaker: Luciana Lopez-Jury (Germany)

PS07-29AM-442 **CONSERVATION OF SENSORY CODING IN THE AUDITORY CORTEX OF MICE BETWEEN WAKEFULNESS AND SLEEP** 09:30 - 09:30

Speaker: Allan Muller (France)

PS07-29AM-443 **SPATIAL CODING PLASTICITY IN THE AUDITORY CORTEX DURING SOUND LOCALIZATION BEHAVIOR** 09:30 - 09:30

Speaker: Valerija Kello (Germany)

PS07-29AM-444	DECIPHERING THE MECHANISMS UNDERLYING AUDITORY HYPEREXCITABILITY IN A GENETIC MOUSE MODEL SUSCEPTIBLE TO AUDIOGENIC SEIZURES	09:30 - 09:30
<i>Speaker:</i> Sabrina Mechaussier (France)		
PS07-29AM-445	FMRI MAPPING OF BRAIN CIRCUITS DURING SIMPLE SOUND PERCEPTION BY AWAKE RATS	09:30 - 09:30
<i>Speaker:</i> Gabriele Russo (Germany)		
PS07-29AM-446	MASSIVE IMPACT OF ANESTHESIA ON SOUND REPRESENTATIONS IN THE AUDITORY BRAINSTEM	09:30 - 09:30
<i>Speaker:</i> Etienne Gosselin (France)		
PS07-29AM-447	CAN INFERIOR COLLICULUS NEURONS CAN PREDICT BEHAVIORAL AUDITORY DISCRIMINATION IN NOISE?	09:30 - 09:30
<i>Speaker:</i> Alexandra Martin (France)		
PS07-29AM-448	ACTIVITY PATTERNS OF CORTICOCOLLICULAR NEURONS DURING AUDITORY LEARNING	09:30 - 09:30
<i>Speaker:</i> Kira Andrea (Germany)		
PS07-29AM-449	THE RELATIONSHIP BETWEEN CORTICAL SOMATOSENSORY-AUDITORY SUPPRESSION AND BEHAVIOUR	09:30 - 09:30
<i>Speaker:</i> Paul Zimmer-Harwood (United Kingdom)		
PS07-29AM-450	IMPLICATIONS OF SYNAPTIC NOISE ON RATE CODING AND TEMPORAL CODING IN THE LATER SUPERIOR OLIVE: A DYNAMIC-CLAMP STUDY	09:30 - 09:30
<i>Speaker:</i> Jonas Fisch (Germany)		
PS07-29AM-451	RARE TONE SUPPRESSION IN INFERIOR COLLICULUS THAT DEPENDS ON THE RELATIVE PREDICTABILITY OF SOUNDS	09:30 - 09:30
<i>Speaker:</i> Zhengjie Yang (Germany)		
PS07-29AM-452	MULTIMODAL ACTIVITY OF MOUSE AUDITORY CORTEX DURING AUDIO-VISUAL-MOTOR VIRTUAL REALITY	09:30 - 09:30
<i>Speaker:</i> Alessandro La Chioma (United States)		
PS07-29AM-453	DEVELOPMENTAL FINE-TUNING OF MEDIAL SUPERIOR OLIVE NEURONS MITIGATES THEIR PREDISPOSITION TO CONTRALATERAL SOUND SOURCES	09:30 - 09:30
<i>Speaker:</i> Gerard Borst (Netherlands)		
PS07-29AM-454	A COMPUTATIONAL MODEL OF THE MAMMALIAN BRAINSTEM TO SOLVE SOUND LOCALIZATION	09:30 - 09:30
<i>Speaker:</i> Francesco de Santis (Italy)		
PS07-29AM-455	SOUND POWER MODULATES RAT VISUAL PERCEPTION IN A TEMPORAL FREQUENCY CLASSIFICATION TASK	09:30 - 09:30
<i>Speaker:</i> Mattia Zanzi (Italy)		
PS07-29AM-456	STATISTICAL LEARNING IN AUDITORY CORTEX AND HIPPOCAMPUS	09:30 - 09:30
<i>Speaker:</i> Xing Xiao (Germany)		
PS07-29AM-457	IMPACT OF BACKGROUND NOISE ON VISUAL SEARCH PERFORMANCE	09:30 - 09:30
<i>Speaker:</i> Kyriakos Nikolaidis (Austria)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Ischemic Stroke		
PS07-29AM-192	ORGANOID TECHNOLOGY: A NEW WAY TO MODEL ISCHEMIC STROKE	09:30 - 09:30

Speaker: Giorgia Lombardozzi (Italy)

PS07-29AM-193 **VISION REVIVAL: NGF'S ROLE IN RESTORING RETINAL BALANCE AND ACTIVATING BDNF'S LIFESAVING ROUTES IN DIABETIC RETINOPATHY** 09:30 - 09:30

Speaker: Vanessa Castelli (Italy)

PS07-29AM-194 **PERICYTES ARE INVOLVED IN HYPERTENSION INDUCED COGNITIVE DECLINE** 09:30 - 09:30

Speaker: Feride Demirhan (Turkey)

PS07-29AM-195 **DIFFERENTIAL REGULATION OF AKT/MAPK PATHWAY PLAYING A CRUCIAL ROLE IN DEVELOPMENT OF POST STROKE COGNITIVE DEFICITS** 09:30 - 09:30

Speaker: Nymphaea Arora (India)

PS07-29AM-196 **CLINICAL OUTCOME ACCORDING TO DIFFERENT ANTITHROMBOTICS IN PATIENTS WITH CRYPTOGENIC STROKE** 09:30 - 09:30

Speaker: Kangho Choi (Korea, Republic of)

PS07-29AM-197 **GINKGETIN MITIGATES CEREBRAL INFARCTION BY INHIBITING PLATELET ACTIVATION VIA THE PLC β 2-DEPENDENT PATHWAY IN HUMAN SUBJECTS AND MICE** 09:30 - 09:30

Speaker: Joen-Rong Sheu (Taiwan)

PS07-29AM-198 **TAAR1: BRIDGING KETOGENIC DIET-INDUCED NEUROPROTECTION AND GUT-BRAIN AXIS IN ISCHEMIC STROKE** 09:30 - 09:30

Speaker: Chih-Hao Yang (Taiwan)

PS07-29AM-199 **EXPLORATION OF INTERVENTIONS THAT MODULATE STROKE VIA GUT-BRAIN AXIS: A META-ANALYSIS** 09:30 - 09:30

Speaker: Mubarak Muhammad (Thailand)

PS07-29AM-200 **CINCHONIDINE, AN ALKALOID DERIVED FROM CINCHONA, DEMONSTRATES NEUROPROTECTIVE PROPERTIES AGAINST ISCHEMIC BRAIN INJURY BY ENHANCING CELLULAR PROTECTION IN CEREBRAL ENDOTHELIAL CELLS** 09:30 - 09:30

Speaker: Cheng-ying Hsieh (Taiwan)

PS07-29AM-201 **IMPACT OF PERINATAL STROKE ON MOTOR AND COGNITIVE FUNCTIONS IN A MOUSE MODEL** 09:30 - 09:30

Speaker: Gianmarco Cuboni (Italy)

PS07-29AM-202 **THE IMPACT OF CLONAL HEMATOPOIESIS ON NEUROINFLAMMATION AFTER ISCHEMIC STROKE IN A CHIMERIC BONE MARROW MOUSE MODEL** 09:30 - 09:30

Speaker: Polina Bugaeva (Germany)

PS07-29AM-203 **A NEONATAL ISCHEMIC STROKE MODEL IN NEONATAL MICE** 09:30 - 09:30

Speaker: Indra Gendenpeljee (Korea, Republic of)

PS07-29AM-204 **NEURONAL BIOMARKERS ASSOCIATED WITH RECOVERY OF MOTOR FUNCTION IN A MOUSE MODEL OF STROKE** 09:30 - 09:30

Speaker: Livia Vignozzi (Italy)

PS07-29AM-205 **IN VIVO WIDEFIELD CALCIUM IMAGING OF CORTICAL ACTIVITY DURING REACH-TO-GRASP MOVEMENTS IN A MOUSE STROKE MODEL** 09:30 - 09:30

Speaker: Matteo Panzeri (Switzerland)

PS07-29AM-206 **NEUTROPHIL EXTRACELLULAR TRAPS SERVE AS NOVEL PREDICTORS OF ACUTE HYPERGLYCEMIA AFTER ISCHEMIC STROKE** 09:30 - 09:30

Speaker: Yi-Chen Hsieh (Taiwan)

PS07-29AM-207	WHOLE-BRAIN MRNA IMAGING UNVEILS THE DYNAMICS OF NEUROINFLAMMATION AFTER STROKE	09:30 - 09:30
	<i>Speaker:</i> Lea Lydolph Larsen (Denmark)	
PS07-29AM-208	EXTRACELLULAR MATRIX AND MICROGLIA INTERACTIONS IN STROKE RECOVERY	09:30 - 09:30
	<i>Speaker:</i> Egor Dzyubenko (Germany)	
PS07-29AM-209	INFLUENCE OF SEROTONERGIC MODULATION IN RECOVERY AFTER STROKE	09:30 - 09:30
	<i>Speaker:</i> Amido Daugardt (Germany)	
PS07-29AM-210	MORPHOLOGICAL HETEROGENEITY OF CNS BORDER-ASSOCIATED MACROPHAGES AFTER PHOTOTHROMBOTIC STROKE	09:30 - 09:30
	<i>Speaker:</i> Tae-Ryong Riew (Korea, Republic of)	
PS07-29AM-211	ROLE OF PROTEIN KINASE N1 IN CEREBRAL ENERGY METABOLISM AND STROKE	09:30 - 09:30
	<i>Speaker:</i> Stephanie zur Nedden (Austria)	
PS07-29AM-212	IS HYPERHOMOCYSTEINEMIA PREVENTABLE RISK FACTOR FOR DEVELOPMENT OF ISCHEMIC STROKE?	09:30 - 09:30
	<i>Speaker:</i> Jan Lehotsky (Slovakia)	
PS07-29AM-213	O2L-001, AN INNOVATIVE THROMBOLYTIC TO EVACUATE INTRACEREBRAL HAEMATOMA	09:30 - 09:30
	<i>Speaker:</i> Audrey Thiebaut (France)	
PS07-29AM-214	SYSTEMATIC REVIEW AND META-ANALYSIS OF THE EFFECT OF SEX ON STROKE OUTCOMES IN ANIMAL MODELS OF ISCHEMIC STROKE	09:30 - 09:30
	<i>Speaker:</i> Sofija Vojvodic (Germany)	
PS07-29AM-215	A NOVEL MOUSE MODEL OF LIGHT-MEDIATED RECANALIZATION AFTER STROKE	09:30 - 09:30
	<i>Speaker:</i> Anna Letizia Allegra Mascaro (Italy)	
PS07-29AM-216	APC/CDH1-ROCK2 AXIS PROMOTES BRAIN REPAIR AFTER STROKE	09:30 - 09:30
	<i>Speaker:</i> Rebeca Lapresa Ruiz de Gauna (Spain)	
PS07-29AM-217	INTRACRANIAL ATHEROSCLEROTIC PLAQUE AND WALL ENHANCEMENT REFLECT THE ENDOTHELIAL DAMAGE AND ARTERIAL INFLAMMATORY LEVEL THROUGH ECM-1 LEVELS AND CCR5 EXPRESSION IN MONOCYTES	09:30 - 09:30
	<i>Speaker:</i> Jesus Agulla (Spain)	
PS07-29AM-218	STUDY ON THE EFFICACY AND MECHANISM OF GINSENOSEIDE IN THE PREVENTION OF CEREBRAL ISCHEMIC STROKE	09:30 - 09:30
	<i>Speaker:</i> Yan Pan (Hong Kong)	
PS07-29AM-219	BRAIN-WIDE MICROSTROKES AFFECT THE STABILITY OF MEMORY CIRCUITS IN THE HIPPOCAMPUS	09:30 - 09:30
	<i>Speaker:</i> Hendrik Heiser (Switzerland)	
PS07-29AM-220	SUBACUTE INHIBITION OF PLASMA KALLIKREIN STABILIZES THE BLOOD-BRAIN BARRIER AND PROMOTES REGENERATION AFTER ISCHEMIC STROKE	09:30 - 09:30
	<i>Speaker:</i> Steffen Hauptelshofer (Germany)	
PS07-29AM-221	STUDYING ACUTE ISCHEMIC STROKE (AIS) CLOTS FOR NOVEL STROKE BIOMARKER DISCOVERY	09:30 - 09:30
	<i>Speaker:</i> Karen Doyle (University of Galway, Ireland)	
PS07-29AM-222	UNRAVELING NEUROINFLAMMATION AND CYTOSKELETON	09:30 - 09:30

DYNAMICS IN BRAIN ISCHEMIA: INSIGHTS FROM AN OXYGEN-GLUCOSE DEPRIVATION MODEL OF STROKE IN ORGANOTYPIC HIPPOCAMPAL CULTURES FOR ANTI-INFLAMMATORY STRATEGIES

Speaker: Natalia Bryniarska-Kubiak (Poland)

PS07-29AM-223 **HYPERGLYCEMIA AFFECTS MITOCHONDRIAL RESPIRATORY CHAIN BUT NOT THE HYDROGEN PEROXIDE PRODUCTION IN NEURONS DURING ISCHEMIC STROKE** 09:30 - 09:30

Speaker: Kseniia Morozova (Russian Federation)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Ketamine and Brain Function

PS07-29AM-568 **HIPPOCAMPAL PLASTICITY IN THE WISTAR-KYOTO RAT: EFFECTS OF CHRONIC MILD STRESS, ACUTE AND CHRONIC KETAMINE TREATMENT** 09:30 - 09:30

Speaker: Vincent Loizeau (France)

PS07-29AM-569 **BRIEF APPLICATION OF (S)-KETAMINE CAUSES LONG-TERM DEPRESSION OF NMDA RECEPTOR-MEDIATED SYNAPTIC TRANSMISSION IN THE MOUSE HIPPOCAMPUS** 09:30 - 09:30

Speaker: Muchun Han (Canada)

PS07-29AM-570 **KETAMINE EXERTS DIFFERENTIAL EFFECTS ON IMPLICIT AND EXPLICIT MEMORY PROCESSES IN ADULT WISTAR RATS** 09:30 - 09:30

Speaker: Bahar Yüksel (Turkey)

PS07-29AM-571 **SYSTEMIC LOW-DOSES KETAMINE DISRUPTS NON-NAVIGATIONAL SPATIAL MEMORY IN NON-HUMAN PRIMATES** 09:30 - 09:30

Speaker: Carolina Campos Rodriguez (United States)

PS07-29AM-572 **HYDROXYNORKETAMINE, BUT NOT KETAMINE, ACTS VIA A7 NICOTINIC ACETYLCHOLINE RECEPTOR TO CONTROL PRESYNAPTIC FUNCTION AND GENE EXPRESSION** 09:30 - 09:30

Speaker: Debarpan Guhathakurta (Germany)

PS07-29AM-573 **KETAMINE PREVENTS THE INVERSE HAEMODYNAMIC RESPONSE TO SPREADING DEPOLARIZATION IN ISCHAEMIC CORTICAL TISSUE** 09:30 - 09:30

Speaker: Robert C Wykes (United Kingdom)

PS07-29AM-574 **BEHAVIORAL SENSITIZATION AND TOLERANCE INDUCED BY REPEATED TREATMENT WITH KETAMINE ENANTIOMERS IN MALE WISTAR RATS** 09:30 - 09:30

Speaker: Kristian Elersič (Slovenia)

PS07-29AM-575 **CHANGES IN HIPPOCAMPAL VOLUME FOLLOWING INTRAVENOUS KETAMINE ADMINISTRATION IN HEALTHY INDIVIDUALS** 09:30 - 09:30

Speaker: Samantha Graf (Austria)

PS07-29AM-576 **EFFECTS OF KETAMINE AND FLUOXETINE ON ANIMAL MODELS OF DEPRESSION** 09:30 - 09:30

Speaker: Ekaterina Noskova (Spain)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Neuromechanical Locomotion Studies

PS07-29AM-364 **CLOSED-LOOP CONTROL OF QUADRUPEDAL MOUSE LOCOMOTION OVER UNEVEN TERRAIN: A NEUROMECHANICAL MODELING STUDY** 09:30 - 09:30

Speaker: Shravan Tata Ramalingasetty (United States)

PS07-29AM-365 **A QUADRUPEDAL NEUROBOTIC MODEL TO STUDY THE ROLE OF LONG PROPRIOSPINAL NEURONS BEFORE AND AFTER SPINAL CORD INJURY** 09:30 - 09:30

Speaker: Andrew Lockhart (United States)

PS07-29AM-366 **DISRUPTION OF TREADMILL RUNNING BY HARMALINE AND CANNABINOID AGONIST IN MARKER-BASED 3D MOTION CAPTURE OF MICE** 09:30 - 09:30

Speaker: Bogna Ignatowska-Jankowska (Japan)

PS07-29AM-367 **DISRUPTION OF CLIMBING BEHAVIOR BY HARMALINE IN MARKER-BASED 3D MOTION CAPTURE OF FREELY MOVING MICE** 09:30 - 09:30

Speaker: Tara Turkki (Japan)

PS07-29AM-368 **SPINAL CIRCUITS FOR KINEMATIC ADAPTATION** 09:30 - 09:30

Speaker: Ines Klein (Germany)

PS07-29AM-369 **KINEMATICS ANALYSIS OF RECOVERED FORELIMB FUNCTION BY FORCED LIMB USE AFTER HEMORRHAGIC STROKE IN RATS** 09:30 - 09:30

Speaker: Hideki Hida (Japan)

PS07-29AM-370 **ROLE OF UNCERTAINTY ABOUT GRASP TYPE IN SENSORIMOTOR INTEGRATION DURING DEXTEROUS OBJECT MANIPULATION** 09:30 - 09:30

Speaker: Swarnab Dutta (India)

PS07-29AM-371 **STATE-INDUCED ADAPTATION OF SELF-GUIDED BEHAVIORAL SEQUENCES** 09:30 - 09:30

Speaker: Felix Kohle (Germany)

PS07-29AM-372 **FLEXIBLE STRATEGIES FOR THE PURSUIT OF MOVING OBJECTS** 09:30 - 09:30

Speaker: Marcelo Moglie (United Kingdom)

PS07-29AM-373 **HINDLIMB MUSCLE SYNERGIES DURING SPLIT-BELT LOCOMOTION IN THE CAT: IMPLICATIONS FOR CPG PATTERN FORMATION ORGANIZATION** 09:30 - 09:30

Speaker: Boris Prilutsky (United States)

PS07-29AM-374 **MODULATION OF BRAIN COMMANDS AND SPINAL PATHWAYS IN HUMAN UPPER LIMB CONTROL IN VARIOUS GRAVITY CONDITIONS; INSIGHTS FROM NEUROMUSCULOSKELETAL SIMULATION** 09:30 - 09:30

Speaker: Alice Bruel (Switzerland)

PS07-29AM-375 **THE ROLE OF AFFERENT FEEDBACK IN ADAPTIVE INTERLIMB COORDINATION IN CAT LOCOMOTION** 09:30 - 09:30

Speaker: Yuichi Ambe (Japan)

PS07-29AM-376 **DYNAMIC MECHANISM OF ADAPTIVE INTERLIMB COORDINATION IN CAT LOCOMOTION** 09:30 - 09:30

Speaker: Kota Shinohara (Japan)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Advancements in Neuroscience Data Management

PS07-29AM-586 **SHAREBRAIN: AN INTERACTIVE, INTEGRATIVE, AND MODULAR APPROACH TO STANDARDISE ADVANCED FUNCTIONAL NEUROPHYSIOLOGY DATA AND METADATA FOR SHARING AND REUSE VIA THE EBRAINS RESEARCH INFRASTRUCTURE** 09:30 - 09:30

Speaker: Eivind Hennestad (Norway)

PS07-29AM-587 **EMPOWERING COLLABORATIVE NEUROSCIENCE: OPTIMIZING FAIR DATA SHARING WITH A TAILORED OPEN-SOURCE** 09:30 - 09:30

REPOSITORY FOR CRC 1280 "EXTINCTION LEARNING"*Speaker:* Tobias Otto (Germany)

PS07-29AM-588 **INTEGRATING PROJECT MANAGEMENT PRINCIPLES FOR EFFICIENT NEUROSCIENCE RESEARCH** 09:30 - 09:30

Speaker: Pranav Joshi (Germany)

PS07-29AM-589 **INTEGRATION OF OPEN-SOURCE SOLUTIONS FOR COMPREHENSIVE DATA AND METADATA MANAGEMENT IN A MULTI-LAB COLLABORATION** 09:30 - 09:30

Speaker: Reema Gupta (Germany)

PS07-29AM-590 **A COMPREHENSIVE SOFTWARE SUITE FOR DATA STANDARDIZATION AND ARCHIVING** 09:30 - 09:30

Speaker: ALESSANDRA TRAPANI (United States)

PS07-29AM-591 **A LABELED CLINICAL-MRI DATASET OF NIGERIAN BRAINS** 09:30 - 09:30

Speaker: Eberechi Wogu (Nigeria)

PS07-29AM-592 **INTRODUCING PSY-SHARED (PSYCHOSIS MRI SHARED DATA RESOURCE): A NEW GLOBAL MRI REPOSITORY FOR ALL PSYCHOSIS RESEARCHERS** 09:30 - 09:30

Speaker: Simon EVANS (United Kingdom)*Poster Sessions*

09:30 - 13:00

Posters

Poster Session 07 - Cognitive Function Biomarkers

PS07-29AM-458 **PREFRONTAL ELECTROENCEPHALOGRAPH THETA ACTIVITIES INDICATE MEMORY AND EXECUTIVE FUNCTION PERFORMANCE** 09:30 - 09:30

Speaker: Nastaran Hamedi (Poland)

PS07-29AM-459 **HUMAN LOCAL FIELD POTENTIAL BRAIN RECORDINGS DURING A MULTILINGUAL BATTERY OF COGNITIVE AND EYE-TRACKING TASK PERFORMANCE** 09:30 - 09:30

Speaker: Michal Kucewicz (Poland)

PS07-29AM-460 **PERFORMANCE IN SIMPLE EYE-TRACKING TASKS INDICATES VERBAL MEMORY IMPAIRMENTS IN EPILEPSY** 09:30 - 09:30

Speaker: Maria Renke (Poland)

PS07-29AM-461 **MODULATION OF BRAIN ACTIVITY BY ENVIRONMENTAL DESIGN: A STUDY USING EEG AND VIRTUAL REALITY** 09:30 - 09:30

Speaker: Jesus S. Garcia Salinas (Poland)

PS07-29AM-462 **WEB-BASED SPEECH TRANSCRIPTION TOOL FOR EFFICIENT QUANTIFICATION OF MEMORY PERFORMANCE** 09:30 - 09:30

Speaker: Marina Galanina (Poland)

PS07-29AM-463 **FREE MEMORY RECALL IS PRECEDED BY GLOBAL CORTICAL NETWORK OF COINCIDENT RIPPLE BURSTING** 09:30 - 09:30

Speaker: Sathwik Prathapagiri (Poland)

PS07-29AM-464 **ELECTROPHYSIOLOGICAL INVESTIGATIONS OF SET-SHIFTING IN OLDER HUMAN ADULTS** 09:30 - 09:30

Speaker: Margarita Darna (Germany)

PS07-29AM-466 **TEMPORAL DYNAMICS OF NEURAL ACTIVITY AND CONNECTIVITY PATTERNS IN EXECUTIVE FUNCTION TRAINING** 09:30 - 09:30

Speaker: Ivana Hromatko (Croatia)

PS07-29AM-467 **NEUROPHYSIOLOGICAL MARKERS AND COGNITIVE PREDICTORS OF EXECUTIVE FUNCTION TRAINING GAINS IN MIDDLE-AGED ADULTS** 09:30 - 09:30

Speaker: Luka Juras (Croatia)

PS07-29AM-468	A SHARED NEURAL MECHANISM UNDERLYING DEFICITS IN SELECTIVE VISUAL ATTENTION ACROSS MILD COGNITIVE IMPAIRMENT SUBTYPES	09:30 - 09:30
	<i>Speaker:</i> Kitnipat Boonyadhammakul (Thailand)	
PS07-29AM-469	COGNITIVE CORRELATES OF NUMERICAL ABILITIES IN AGING	09:30 - 09:30
	<i>Speaker:</i> Jakub Słupczewski (Poland)	
PS07-29AM-470	AGE-RELATED HEARING LOSS IN OLDER ADULTS AND COGNITION IN OLDER ADULTS: PRELIMINARY FINDINGS	09:30 - 09:30
	<i>Speaker:</i> Yi Ran Wang (Canada)	
PS07-29AM-471	CROSS-CULTURAL COGNITION: WORKING MEMORY IN SOUTH AFRICAN YOUNG ADULTS	09:30 - 09:30
	<i>Speaker:</i> Kate Cockcroft (South Africa)	
PS07-29AM-472	REDUCED ROUTING EFFICIENCY IN THE RIGHT FRONTO-PARIETAL ATTENTIONAL NETWORK DURING DISTRACTOR SUPPRESSION IN MILD COGNITIVE IMPAIRMENT	09:30 - 09:30
	<i>Speaker:</i> Jatupong Oboun (Thailand)	
PS07-29AM-473	EFFECTS OF SUSTAINED COGNITIVE LOAD ON BEHAVIOR AND EVENT-RELATED POTENTIALS IN PERCEPTUAL DECISION-MAKING	09:30 - 09:30
	<i>Speaker:</i> Fabio Taddeini (Italy)	
PS07-29AM-474	EVIDENCE FOR A ROLE FOR ALPHA OSCILLATIONS IN STRATEGIC MONITORING UNDERLYING PROSPECTIVE REMEMBERING	09:30 - 09:30
	<i>Speaker:</i> Bruno de Matos Mansur (Germany)	
PS07-29AM-475	RECOGNITION OF COMPLEX SPATIAL ENVIRONMENTS SHOWED DIMORPHIC PATTERNS OF THETA (4-8 HZ) ACTIVITY	09:30 - 09:30
	<i>Speaker:</i> Joaquín Castillo Escamilla (Spain)	
PS07-29AM-476	VALIDATING A DATA DRIVEN EEG-BASED DEMENTIA SCREENING TEST	09:30 - 09:30
	<i>Speaker:</i> Filip Agatic (Malta)	
PS07-29AM-477	TEMPORAL LOBE INTERHEMISPHERIC COHERENCE IN ALZHEIMER'S DISEASE USING EEG CONNECTIVITY ANALYSIS	09:30 - 09:30
	<i>Speaker:</i> Ana Cervera-Ferri (Spain)	
PS07-29AM-478	AGE-RELATED DIFFERENCES IN OSCILLATORY BRAIN RESPONSES DURING THE SUSTAINED ATTENTION TO RESPONSE TASK (SART)	09:30 - 09:30
	<i>Speaker:</i> Zehra Ülgen (Turkey)	
PS07-29AM-479	META-ANALYSES OF BRAIN STRUCTURAL AND RESTING STATE FUNCTIONAL ALTERATIONS IN SUBJECTIVE COGNITIVE DECLINE	09:30 - 09:30
	<i>Speaker:</i> Adina Mincic (Romania)	
<i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Data Analysis and Software Tools		
PS07-29AM-594	SPYDEN: AN OPEN-SOURCE PYTHON TOOLBOX FOR AUTOMATED MOLECULAR ANALYSIS IN DENDRITES AND SPINES	09:30 - 09:30
	<i>Speaker:</i> Maximilian Eggl (Spain)	
PS07-29AM-595	DEEPD3 - A DEEP LEARNING FRAMEWORK FOR DETECTION OF DENDRITIC SPINES AND DENDRITES	09:30 - 09:30
	<i>Speaker:</i> Andreas Kist (Germany)	

PS07-29AM-596	SKIFTITOOLS: AN R PACKAGE FOR VISUALIZING AND MANIPULATING SKELETONIZED BRAIN DIFFUSION TENSOR IMAGING DATA FOR VERSATILE STATISTICS OF CHOICE	09:30 - 09:30
<i>Speaker:</i> Harri Merisaari (Finland)		
PS07-29AM-597	DENDROTWEAKS: AN INTERACTIVE APPROACH FOR UNRAVELING DENDRITIC DYNAMICS	09:30 - 09:30
<i>Speaker:</i> Roman Makarov (Greece)		
PS07-29AM-598	STREAMLINING ELECTROPHYSIOLOGY DATA ANALYSIS: A PYTHON-BASED WORKFLOW FOR EFFICIENT INTEGRATION AND PROCESSING	09:30 - 09:30
<i>Speaker:</i> Simon Gross (Switzerland)		
PS07-29AM-599	MEASPIKER : AN R PACKAGE FOR STANDARDIZED ANALYSIS AND VISUALIZATION OF MULTIELECTRODE ARRAY DATA	09:30 - 09:30
<i>Speaker:</i> Carine Dalle (France)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Hibernation and Thermal Dynamics		
PS07-29AM-264	IN VIVO TWO-PHOTON CALCIUM IMAGING OF CORTICAL ACTIVITY DURING A HIBERNATION-LIKE STATE IN MICE	09:30 - 09:30
<i>Speaker:</i> Ching Pu Chang (Japan)		
PS07-29AM-265	BODY TEMPERATURE REGULATES GLUCOSE METABOLISM AND TORPID BEHAVIOR	09:30 - 09:30
<i>Speaker:</i> Ming-Liang Lee (Japan)		
PS07-29AM-266	NASAL PRESSURE DYNAMICS IN FREELY MOVING MICE REVEAL MODULATION OF THE HIPPOCAMPAL AND PIRIFORM NETWORKS BY RESPIRATION	09:30 - 09:30
<i>Speaker:</i> Giulio Casali (France)		
PS07-29AM-267	INVESTIGATING THE RELATIONSHIP BETWEEN TORPOR, SLEEP, AND NEURAL PLASTICITY IN DJUNGARIAN HAMSTERS (<i>PHODOPUS SUNGORUS</i>)	09:30 - 09:30
<i>Speaker:</i> Xiao Zhou (United Kingdom)		
PS07-29AM-268	THE ROLE OF TRH NEURONS IN ENERGY HOMEOSTASIS AND REGULATION OF BROWN ADIPOSE TISSUE	09:30 - 09:30
<i>Speaker:</i> Andreea Constantinescu (Germany)		
PS07-29AM-269	THERMAL CONSTRAINTS ON COGNITION IN A POIKILOTHERMIC BRAIN	09:30 - 09:30
<i>Speaker:</i> Felix Baier (Germany)		
PS07-29AM-270	INDUCING LONG-LASTING HYPOMETABOLISM IN MICE THROUGH OPTOGENETIC ACTIVATION OF HYPOTHALAMIC Q NEURONS	09:30 - 09:30
<i>Speaker:</i> Yuki Saito (Japan)		
PS07-29AM-271	TEMPERATURE-DRIVEN NEURAL AND BEHAVIOURAL RESPONSES IN <i>HYDRA VULGARIS</i>	09:30 - 09:30
<i>Speaker:</i> Roberto Montanari (Germany)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Neuroscience Outreach and Ethics		
PS07-29AM-584	BEYOND ACADEMIC KINDNESS: A MULTI-STAKEHOLDER APPROACH TO ADVANCE EQUITY, DIVERSITY AND INCLUSION IN NEUROSCIENCE	09:30 - 09:30

Speaker: Karin Grasenick (Austria)

PS07-29AM-585 **"NEUROSCIENCE? ISN'T THAT FOR CLEVER PEOPLE": BRINGING NEUROSCIENCE TO NEW AUDIENCES THROUGH PUBLIC OUTREACH AND EDUCATION** 09:30 - 09:30

Speaker: Emma Yhnell (United Kingdom)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Cortical Development Mechanisms

PS07-29AM-157 **ANALYSIS OF THE MOLECULAR MECHANISMS UNDERLYING CORTICOGENESIS DEFECTS UPON AFADIN DISRUPTION** 09:30 - 09:30

Speaker: Alba Marín (Spain)

PS07-29AM-158 **UNRAVELING THE MOLECULAR MECHANISM REGULATED BY SOX9 IN CORTICAL NEURAL STEM CELL BEHAVIOR AND FATE COMMITMENT** 09:30 - 09:30

Speaker: Jaime Fabra Beser (Spain)

PS07-29AM-159 **ROLE OF *PTEN* IN CORTICAL STEM CELL LINEAGE PROGRESSION** 09:30 - 09:30

Speaker: Osvaldo Antonio Miranda Romero (Austria)

PS07-29AM-160 **ABROGATED RING1B FUNCTION LEADS TO PERTURBED NEURAL STEM CELL AND FOREBRAIN DEVELOPMENT** 09:30 - 09:30

Speaker: Lucy Doyle (United Kingdom)

PS07-29AM-161 **INVESTIGATING MBD5 PROTEIN AND ITS CONTRIBUTION TO PR-DUB COMPLEX IN THE DEVELOPING BRAIN** 09:30 - 09:30

Speaker: Firuze Unlu Bektas (United Kingdom)

PS07-29AM-162 **A NOVEL ROLE OF MAP1B IN NEURAL STEM CELLS REVEALS THEIR CONTRIBUTION TO PERIVENTRICULAR HETEROTOPIA** 09:30 - 09:30

Speaker: Florencia Lucia Merino (Germany)

PS07-29AM-163 **ADHESION DYNAMICS IN THE NEOCORTEX DETERMINE THE START OF MIGRATION AND THE POST-MIGRATORY ORIENTATION OF NEURONS** 09:30 - 09:30

Speaker: Elisa Pedersen (Germany)

PS07-29AM-164 **A NOVEL CORE PLANAR CELL POLARITY (PCP) SIGNALING PROTEIN PLAYER IN AXONAL INITIAL SEGMENT FORMATION AND FUNCTION** 09:30 - 09:30

Speaker: Jerome Ezan (France)

PS07-29AM-165 **NEGATIVE REGULATION OF BRAIN GROWTH BY IMPRINTED *GRB10*** 09:30 - 09:30

Speaker: Isadora Sinha (United Kingdom)

PS07-29AM-166 **THE MITOTIC PROTEIN CENP-F, IMPLICATED IN MICROCEPHALY, RELOCALISES TO KEY CELLULAR STRUCTURES DURING NEURODIFFERENTIATION AND CILIOGENESIS** 09:30 - 09:30

Speaker: Ludovica Altieri (Italy)

PS07-29AM-167 **C-TERMINAL BINDING PROTEIN 1 IS NECESSARY FOR NORMAL MIGRATION OF ADULT-BORN NEURONS** 09:30 - 09:30

Speaker: Burcu Sucu (Germany)

PS07-29AM-168 **INCREASED SEMAPHORIN 3A EXPRESSION LEVELS AFFECT AXONAL ELONGATION AND DENDRITIC ARCHITECTURE IN HUMAN NEURAL PROGENITORS DURING THE EARLY STAGES OF DIFFERENTIATION** 09:30 - 09:30

Speaker: Gabriella Ferretti (Italy)

PS07-29AM-169 **SATB2 ORGANIZES THE 3D GENOME ARCHITECTURE OF** 09:30 - 09:30

COGNITION IN CORTICAL NEURONS*Speaker:* Nico Wahl (Austria)

PS07-29AM-170 **SATB2-DEPENDENT EFFECTS ON GENE EXPRESSION AND CHROMATIN 3D STRUCTURE IN HUMAN NGN2 NEURONS** 09:30 - 09:30

Speaker: Adrián González-Díaz (Austria)

PS07-29AM-171 **PROTEASOMAL DEGRADATION OF BAF COMPLEX SUBUNIT -BRG1 UPON INCREASED NEURONAL ACTIVITY AND MTOR HYPERACTIVATION** 09:30 - 09:30

Speaker: Shiwani Kumari (Poland)

PS07-29AM-172 **DOUBLECORTIN MUTATION LEADS TO ALTERATIONS IN MITOCHONDRIA DURING HIPPOCAMPAL DEVELOPMENT** 09:30 - 09:30

Speaker: Richard Belvindrah (France)

PS07-29AM-173 **CETN3 DEFICIENCY PERTURBS PROLIFERATION AND DIFFERENTIATION OF NEURAL STEM CELLS IN THE DEVELOPING HUMAN CEREBRAL ORGANIDS** 09:30 - 09:30

Speaker: JING XU (China)

PS07-29AM-174 **SINGLE-CELL UNIPARENTAL DISOMIES AND MOTHER-OFFSPRING INTERACTION: A COMPARATIVE STUDY** 09:30 - 09:30

Speaker: Gianluca Como (Italy)

PS07-29AM-175 **STURGE-WEBER SYNDROME-ASSOCIATED GAQ PROTEIN MODULATES METASTATIC SUPPRESSOR KAI1 (CD82) EXPRESSION IN NEURAL CELLS** 09:30 - 09:30

Speaker: Rakesh Mani (Austria)

PS07-29AM-176 **THE CHROMATIN REMODELLER CHD7 ACTS AS A CHROMATIN HUB COORDINATING DIFFERENTIATION OF MULTIPLE CELL LINEAGES DURING HIPPOCAMPAL DEVELOPMENT** 09:30 - 09:30

Speaker: Yassin Harim (Germany)

PS07-29AM-177 **CHARACTERIZATION OF RX-CRE;DICER^{F/F} MICE AS A NOVEL ANIMAL MODEL FOR EMBRYONAL TUMORS WITH MULTILAYERED ROSETTES** 09:30 - 09:30

Speaker: Anna Prieto Colomina (Spain)

PS07-29AM-178 **NOVEL LISSENCEPHALY-ASSOCIATED NDEL1 VARIANT REVEALS DISTINCT ROLES OF NDE1 AND NDEL1 IN NUCLEOKINESIS AND HUMAN CORTICAL MALFORMATIONS** 09:30 - 09:30

Speaker: HawYuan Cheng (Taiwan)

PS07-29AM-179 **THE ROLE OF TAP73 IN NEURODEVELOPMENT** 09:30 - 09:30

Speaker: Karina Violou (Germany)

PS07-29AM-180 **INVESTIGATING THE ROLE OF CENTROSOME-CILIA AXIS IN HUMAN CORTICAL DEVELOPMENT ENORCHESTRATION AND MALFORMATIONS** 09:30 - 09:30

Speaker: Athanasia Rapti (Greece)

PS07-29AM-181 **FASICULATION ELONGATION PROTEIN ZETA 1 (FEZ1) PARTICIPATES IN CORTICOGENESIS** 09:30 - 09:30

Speaker: John Jia En Chua (Singapore)

PS07-29AM-182 **BRIDGING INTEGRATOR 1 (BIN1) ISOFORMS EXPRESSION IN OLIGODENDROCYTES AND THEIR PUTATIVE ROLE IN CELL CYCLE REGULATION IN SPORADIC ALZHEIMER'S DISEASE** 09:30 - 09:30

Speaker: Wai Ting Ma (Hong Kong)

PS07-29AM-183 **INVESTIGATING THE CELLULAR AND MOLECULAR MECHANISMS OF MAST1 MUTATIONS IN CORTICAL MALFORMATION** 09:30 - 09:30

Speaker: Agnes Dwi Ariyanti (Taiwan)

PS07-29AM-184	EXPRESSION OF NOVEL TLK2 ISOFORMS DURING NEURONAL DIFFERENTIATION	09:30 - 09:30
<i>Speaker:</i> Lubna Nuhu-Soso (United Kingdom)		
PS07-29AM-185	ADDUCINS AFFECT CORTICAL NEUROGENESIS BY REGULATING BASAL PROGENITORS' ABUNDANCE	09:30 - 09:30
<i>Speaker:</i> Chiara Ossola (Italy)		
PS07-29AM-186	DNA DAMAGE DURING EARLY NEUROGENESIS IMPAIRS INTERNEURON MIGRATION WITHOUT ALTERING THEIR ULTIMATE CORTICAL POSITIONING	09:30 - 09:30
<i>Speaker:</i> Lisa Berden (Belgium)		
PS07-29AM-187	THE ROLE OF SMARCA2 (BRM) SUBUNIT OF SWI/SNF/BAF COMPLEX IN CORTICAL DEVELOPMENT	09:30 - 09:30
<i>Speaker:</i> HsiangYi Lai (Taiwan)		
PS07-29AM-188	NOVEL LISSENCEPHALY-ASSOCIATED DCX VARIANTS AFFECT MICROTUBULE BINDING, DYNAMICS AND NEURONAL MIGRATION	09:30 - 09:30
<i>Speaker:</i> Jun-Ru Lin (Taiwan)		
PS07-29AM-189	UNCOVERING THE ROLE OF RTTN IN DEVELOPING BRAINS: INSIGHTS FROM A HUMAN BRAIN ORGANOID MODEL	09:30 - 09:30
<i>Speaker:</i> Adva Hadar (Israel)		
PS07-29AM-190	NEUROPILIN-MEDIATED SEMA 3 SIGNALING IS CRUCIAL FOR CHICK SPINAL CORD NEUROPROGENITOR CELLS TO EXIT THE CELL CYCLE AND PROTECT EARLY-BORN NEURONS FROM APOPTOSIS	09:30 - 09:30
<i>Speaker:</i> Zoltan Meszar (Hungary)		
PS07-29AM-191	SPATIAL PROTEOMICS REVEALS DISTINCT PROTEIN PATTERNS IN CORTICAL MIGRATION DISORDERS CAUSED BY LIN28A OVEREXPRESSION AND WNT ACTIVATION	09:30 - 09:30
<i>Speaker:</i> JELENA NAVOLIC (Germany)		
 <i>Poster Sessions</i>		
09:30 - 13:00		Posters
Poster Session 07 - Late-Breaking Abstracts		
PS07-29AM-600	EMOTIONS MODULATION ON INTERBRAIN DYNAMICS	09:30 - 09:30
<i>Speaker:</i> Federica Antonelli (Italy)		
PS07-29AM-601	PROCESSING OF CARDIAC SIGNALS IN THE INSULAR CORTEX IS NECESSARY FOR EMOTION STATE CODING	09:30 - 09:30
<i>Speaker:</i> Meryl Malezieux (Germany)		
PS07-29AM-602	NEURAL DYNAMICS OF PROCESSING NATURAL AND DIGITAL EMOTIONAL VOCALIZATIONS	09:30 - 09:30
<i>Speaker:</i> Christine Skjægstad (Norway)		
PS07-29AM-603	FUTURE ENCODING MECHANISMS IN VISUAL WORKING MEMORY	09:30 - 09:30
<i>Speaker:</i> Reut Peled (Israel)		
PS07-29AM-604	LEFT DORSOLATERAL PREFRONTAL CORTEX TO PRIMARY MOTOR CORTEX INTERACTION WAS INHIBITED IN IMPULSIVE DECISION-MAKING TASK	09:30 - 09:30
<i>Speaker:</i> Na Cao (Japan)		
PS07-29AM-605	FROM ACTION OBSERVATION TO BRAIN-TO-BRAIN SOCIAL INTERACTION: AN EEG MU RHYTHMS SCALABLE DESIGN	09:30 - 09:30
<i>Speaker:</i> Francisco Parada (Chile)		

PS07-29AM-606	MAPPING SOCIAL COGNITION IN PATIENTS WITH GLIOMAS: PREOPERATIVE AND INTRAOPERATIVE INSIGHTS FROM FMRI, MEG AND DIRECT ELECTRICAL STIMULATION	09:30 - 09:30
	<i>Speaker:</i> Lucia Amoruso (Spain)	
PS07-29AM-607	SEEING IS BELIEVING? INFLUENCES OF POLITICAL VIEWS AND EMOTIONS ON AUTHENTICITY PERCEPTION OF PHOTOJOURNALISTIC PICTURES	09:30 - 09:30
	<i>Speaker:</i> Laurent Beaupoil (Poland)	
PS07-29AM-608	MOTOR IMAGERY AMONG APHANTASICS AND CONTROLS. A PRELIMINARY FNIRS STUDY	09:30 - 09:30
	<i>Speaker:</i> Robert Kwaśniak (Poland)	
PS07-29AM-609	UNMET EMOTIONAL PREDICTIONS LINGER IN THE LATERAL ORBITOFRONTAL CORTEX DURING REST	09:30 - 09:30
	<i>Speaker:</i> Gargi Majumdar (India)	
PS07-29AM-610	SPONTANEOUS EEG CORRELATES OF VISUAL EXPLORATION PHENOTYPES: A REPLICATION STUDY	09:30 - 09:30
	<i>Speaker:</i> Miriam Celli (Italy)	
PS07-29AM-611	CHOLINERGIC MODULATION OF ANTI-CORRELATED ACTIVITY IN THE AVERSIVE BRAIN	09:30 - 09:30
	<i>Speaker:</i> Soumaïya Imarraine (France)	
PS07-29AM-612	INHIBITORY DYNAMICS DURING SHARP WAVE-RIPPLES IN THE HIPPOCAMPUS	09:30 - 09:30
	<i>Speaker:</i> Gergely Szabo (United States)	
PS07-29AM-613	PATHOLOGICAL DELTA OSCILLATION IN THE SUBTHALAMIC NUCLEUS OF RATS WITH ACUTE STROKE RELATES TO MOTOR DISABILITY	09:30 - 09:30
	<i>Speaker:</i> Zhengdao Deng (Belgium)	
PS07-29AM-614	MODELLING DETERMINANTS OF REGION-SPECIFIC DOPAMINE DYNAMICS IN THE STRIATUM	09:30 - 09:30
	<i>Speaker:</i> Ulrik Gether (Denmark)	
PS07-29AM-615	EXTRACELLULAR VESICLES FROM POLY I:C-INFECTED AIRWAY EPITHELIAL CELLS MEDIATE VIRAL SIGNALING IN MICROGLIA: IMPLICATIONS FOR NEUROINFLAMMATION	09:30 - 09:30
	<i>Speaker:</i> Deimante Narauskaite (Lithuania)	
PS07-29AM-616	EXTRASYNAPTIC NMDARS ACTIVATION BY CO-AGONIST GLYCINE CONTROLS THE OCCURENCE OF BURSTS IN NIGRAL DOPAMINE NEURONS	09:30 - 09:30
	<i>Speaker:</i> Sofian Ringlet (Belgium)	
PS07-29AM-617	B-ENDORPHIN MITIGATES UVB-INDUCED EPIDERMAL BARRIER DYSFUNCTION THROUGH CONTROL OF INFLAMMATION-DRIVEN MTORC1 PATHWAYS	09:30 - 09:30
	<i>Speaker:</i> Hyung-Su Kim (Korea, Republic of)	
PS07-29AM-618	EFFECTS OF SARS-COV-2 S1 PROTEIN AND RNA VACCINES ON MIXED NEURONAL-GLIAL CELL CULTURES	09:30 - 09:30
	<i>Speaker:</i> Vytenis Markevičius (Lithuania)	
PS07-29AM-619	FIBER BUNDLE-BASED MICROSCOPE FOR ALL-OPTICAL INVESTIGATION OVER ENLARGED FIELD OF VIEW IN FREELY MOVING MICE	09:30 - 09:30
	<i>Speaker:</i> Francois Blot (France)	
PS07-29AM-620	BROKEN BALANCE - EARLY IMPAIRMENT AT INHIBITORY SYNAPSES IN ALZHEIMER'S DISEASE	09:30 - 09:30
	<i>Speaker:</i> Sayyada Zehra Hasan Kazmi (Netherlands)	

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Huntington's Disease

- PS07-29AM-249 **INDIRECT PATHWAY LINAGE-SPECIFIC ALTERATIONS DURING EARLY DEVELOPMENT IN HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Cris Vila Torondel (Spain)
- PS07-29AM-250 **ACCELERATED EPIGENETIC AGING INVOLVES POLYCOMB GROUP PROTEINS IN HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Baptiste Brulé (France)
- PS07-29AM-251 **CONNECTING METABOLIC AND EPIGENETIC DYSREGULATIONS IN HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Noémie Penaud (France)
- PS07-29AM-252 **RETINAL DYSFUNCTION IN HUNTINGTON'S DISEASE MOUSE MODELS IS CHARACTERIZED BY AN EARLY PHOTORECEPTOR DEGENERATION AND A LATE NEUROINFLAMMATION** 09:30 - 09:30
Speaker: Jorge Navarro Calvo (Spain)
- PS07-29AM-253 **NEUROINFLAMMATORY PATHWAYS IN THE HUMAN MIDCINGULATE CORTEX IN HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Mackenzie Ferguson (New Zealand)
- PS07-29AM-254 **SUPERIOR COLLICULUS AS A KEY PLAYER IN HUNTINGTON'S DISEASE SENSORIMOTOR COORDINATION DEFICITS: FROM CIRCUITS TO BEHAVIOUR** 09:30 - 09:30
Speaker: Melike Küçüklerden (Spain)
- PS07-29AM-255 **K-CL COTRANSPORTER KCC2 FUNCTION IS IMPAIRED IN D2 RECEPTOR-EXPRESSING MEDIUM SPINY NEURONS IN A MOUSE MODEL OF HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Melissa Serranilla (Canada)
- PS07-29AM-256 **MUTANT HUNTINGTIN DISRUPTS GLOBAL DNA METHYLATION IN HUMAN IPSC-DERIVED CEREBRAL ORGANIDS** 09:30 - 09:30
Speaker: Elad Dvir (Israel)
- PS07-29AM-257 **EVOLUTION OF THE PSYCHIATRIC PHENOTYPE IN THE EARLY STAGES OF A HUNTINGTON'S DISEASE PRECLINICAL MODEL** 09:30 - 09:30
Speaker: Baptiste Dayre (France)
- PS07-29AM-258 **TAF1 SPLICING VARIANTS AND PROLYL HYDROXYLASE INHIBITORS THERAPY IN A MOUSE MODEL OF HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Claudia Rodríguez-López (Spain)
- PS07-29AM-259 **ELUCIDATING THE MECHANISMS OF ALTERED CORTICAL SENSORY PROCESSING IN A MOUSE MODEL OF HUNTINGTON DISEASE** 09:30 - 09:30
Speaker: Daniel Ramandi (Canada)
- PS07-29AM-260 **MENINGEAL IMMUNE CELL ALTERATIONS IN HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Alina Blusch (Sweden)
- PS07-29AM-261 **SIGMA 2 RECEPTOR/TMEM97 AS A POTENTIAL THERAPEUTIC TARGET FOR NEURODEGENERATIVE DISORDERS** 09:30 - 09:30
Speaker: JING JIN (United States)
- PS07-29AM-262 **TARGETING THE AMPK PATHWAY AS A TREATMENT STRATEGY FOR HUNTINGTON'S DISEASE** 09:30 - 09:30
Speaker: Balázs Kis (Hungary)
- PS07-29AM-263 **FUNCTIONAL IMPAIRMENTS OF STRIATAL NEURONS IN** 09:30 - 09:30

HUNTINGTON'S DISEASE: FAST-SPIKING INTERNEURONS AND THEIR KEY ROLE DURING THE EARLY STAGES OF THE PATHOLOGY

Speaker: Arianna Trucco (Italy)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Compulsive Behavioural Neuroscience

PS07-29AM-121 **ROLE OF PERINEURONAL NETS IN THE FRONTAL CORTEX IN COMPULSIVE RATS SELECTED BY SCHEDULE-INDUCED POLYDIPSIA** 09:30 - 09:30

Speaker: Elena Martín-González (Spain)

PS07-29AM-122 **INVESTIGATING THE ROLE OF PRENATAL VITAMIN D3: SAFETY CONSIDERATIONS IN HEALTHY CONTROL RAT** 09:30 - 09:30

Speaker: Mario Ruiz Coca (Spain)

PS07-29AM-123 **SPATIAL AND TEMPORAL STABILITY OF NEURONAL REPRESENTATIONS IN A RAT MODEL OF OCD** 09:30 - 09:30

Speaker: Adam Hanzlík (Czech Republic)

PS07-29AM-124 **MULTISCALE BRAIN DYNAMIC PATTERNS CHANGE WITH GLUTAMATE MODULATION IN OBSESSIVE-COMPULSIVE DISORDER: A COMPREHENSIVE MULTIMODAL BRAIN MAPPING APPROACH** 09:30 - 09:30

Speaker: Lida Shafaghi (Iran)

PS07-29AM-125 **THE EVALUATION OF PFCS (PFOA OR PFHPA) ON NEURAL ACTIVITY AND SURVIVAL IN CORTICAL NEURONS** 09:30 - 09:30

Speaker: Minhan Ka (Korea, Republic of)

PS07-29AM-126 **EFFECTS OF A DOWNREGULATION OF MTORC1'S PATHWAY IN D2R CELLS OF NUCLEUS ACCUMBENS ON IMPULSIVE BEHAVIOR IN RATS** 09:30 - 09:30

Speaker: Fanny Joly (France)

PS07-29AM-127 **PREFRONTAL-HIPPOCAMPAL NEURAL DYNAMICS UNDERLYING IMPULSIVE-LIKE BEHAVIOR IN FOOD ADDICTION** 09:30 - 09:30

Speaker: Laura Ribalta Vilella (Spain)

PS07-29AM-128 **A MIDLINE THALAMIC NUCLEUS PROMOTES COMPULSIVE-LIKE SELF-GROOMING IN RODENTS** 09:30 - 09:30

Speaker: Wing-Ho Yung (Hong Kong)

PS07-29AM-129 **IMPACT OF VENTRAL HIPPOCAMPAL CHONDROITINASE-ABC INFUSION ON PERINEURONAL NETS AND DIFFUSE EXTRACELLULAR MATRIX IN MALE LISTER HOODED RATS** 09:30 - 09:30

Speaker: Jacob Juty (United Kingdom)

PS07-29AM-130 **ENRICHED PHENOTYPE ANALYSIS: TYING PERINEURONAL NET STRUCTURES TO HIGH AND LOW BURROWERS IN ISOLATED AND ENRICHLY HOUSED RATS** 09:30 - 09:30

Speaker: Jane Morphet (Australia)

PS07-29AM-131 **ATTENUATION OF CHONDROITIN 4 SULFATE IN THE PERINEURONAL NETS OF PARVALBUMIN NEURONS LEADS TO PERSEVERANCE AND INCREASED SOCIAL MEMORY** 09:30 - 09:30

Speaker: Jana Svobodová Burianová (Czech Republic)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Emerging Topics in Neuroscience

PS07-29AM-480	AMADEUSGPT: TOWARDS ATHE HUMAN-CENTRIC SYSTEM FOR ANIMAL BEHAVIOR ANALYSIS	09:30 - 09:30
<i>Speaker:</i> Shaokai Ye (Switzerland)		
PS07-29AM-481	DLC2ACTION: A FLEXIBLE, POWERFUL AND EASY-TO-USE TOOLBOX FOR ACTION SEGMENTATION	09:30 - 09:30
<i>Speaker:</i> Andy Bonnetto (Switzerland)		
PS07-29AM-482	DEEPLABCUT 3.0: EFFICIENT DEEP LEARNING FOR SINGLE AND MULTI-ANIMAL POSE TRACKING AND IDENTIFICATION	09:30 - 09:30
<i>Speaker:</i> Niels Poulsen (Switzerland)		
PS07-29AM-483	POSE-GUIDED TRANSFORMERS FOR NON-INVASIVE RE-IDENTIFICATION METHODS OF UNMARKED SPECIES	09:30 - 09:30
<i>Speaker:</i> Alexander Mathis (EPFL, Switzerland)		
PS07-29AM-484	HOISDF: ESTIMATING HAND-OBJECT INTERACTIONS FROM A SINGLE CAMERA VIA GLOBAL SIGNED DISTANCE FIELDS	09:30 - 09:30
<i>Speaker:</i> Haozhe Qi (Switzerland)		
PS07-29AM-485	ANALYZING ANIMAL BEHAVIOR WITH DOMAIN-ADAPTED VISION-LANGUAGE MODELS	09:30 - 09:30
<i>Speaker:</i> Valentin Gabeff (Switzerland)		
PS07-29AM-486	ACQUIRING MUSCULOSKELETAL SKILLS WITH CURRICULUM-BASED REINFORCEMENT LEARNING	09:30 - 09:30
<i>Speaker:</i> Alberto Chiappa (Switzerland)		
PS07-29AM-487	MODELING PROPRIOCEPTION WITH PHYSICS-INFORMED NEURAL NETWORKS	09:30 - 09:30
<i>Speaker:</i> Adriana Perez Rotondo (Switzerland)		
PS07-29AM-488	MODELING THE SENSORIMOTOR SYSTEM WITH DEEP REINFORCEMENT LEARNING	09:30 - 09:30
<i>Speaker:</i> Alessandro Marin Vargas (Switzerland)		
PS07-29AM-489	ELUCIDATING THE HIERARCHICAL ORGANIZATION OF NATURAL BEHAVIOR WITH MASKED AUTOENCODERS	09:30 - 09:30
<i>Speaker:</i> Lucas Stoffl (Switzerland)		
PS07-29AM-490	IDENTIFIABLE ATTRIBUTION MAPS WITH CONTRASTIVE LEARNING FOR MAPPING NEURONS TO NEURAL LATENT DYNAMICS	09:30 - 09:30
<i>Speaker:</i> Steffen Schneider (Switzerland)		
PS07-29AM-491	MICE LEARN TO ADAPT TO VISUOMOTOR PERTURBATIONS BY RAPIDLY ADAPTING LIMB KINEMATICS	09:30 - 09:30
<i>Speaker:</i> Sebastien Hausmann (Switzerland)		
PS07-29AM-492	DETAILED 3D ARCHITECTURE OF ADULT HUMAN ORGANS THROUGH NEW TISSUE CLEARING TECHNIQUES	09:30 - 09:30
<i>Speaker:</i> Héloïse Policet-Betend (Switzerland)		
PS07-29AM-493	FUNCTIONAL ARCHITECTURE OF THE CLITORIS	09:30 - 09:30
<i>Speaker:</i> Maeva Badre (Switzerland)		
PS07-29AM-494	QUICK & ACCURATE NEURON POPULATION QUANTIFICATION: AN INTERACTIVE, DEEP-LEARNING ACCELERATED METHOD FOR NEURON POPULATION QUANTIFICATION IN MICE BRAINS	09:30 - 09:30
<i>Speaker:</i> Roberto Leiras (Denmark)		
PS07-29AM-495	SELF-SUPERVISED LEARNING USING GEOMETRIC ASSESSMENT-DRIVEN TOPOLOGICAL SMOOTHING (GATS) FOR NEURON TRACING AND ACTIVE LEARNING ENVIRONMENT (NEUROTRALE)	09:30 - 09:30

Speaker: Nina Shamsi (United States)

PS07-29AM-496 **A MATLAB BASED DEEP LEARNING TOOL FOR FAST CALL CLASSIFICATION AND INTERACTION IN VOCAL COMMUNICATION** 09:30 - 09:30

Speaker: Kathrin Kugler (Germany)

PS07-29AM-497 **NEURODEBLUR: A NOVEL SOFTWARE FOR FAST DECONVOLUTION OF LARGE LIGHT-SHEET, CONFOCAL, OR BRIGHT-FIELD MICROSCOPY STACKS** 09:30 - 09:30

Speaker: Klaus Becker (Austria)

PS07-29AM-498 **A GRAPHIC USER INTERFACE FOR IDENTIFICATION AND CHARACTERIZATION OF NEURONAL ENSEMBLES IN TWO-PHOTON CALCIUM IMAGING RECORDINGS** 09:30 - 09:30

Speaker: Ricardo Velázquez Contreras (Mexico)

PS07-29AM-499 **ARKITEKT: STREAMING ANALYSIS AND REAL-TIME BIOIMAGE WORKFLOWS FOR MICROSCOPY** 09:30 - 09:30

Speaker: Johannes Roos (France)

PS07-29AM-500 **ENVIRONMENT FOR PRECISE EEG ELECTRODE LOCALIZATION ON DATA FROM LOW-COST STRUCTURED LIGHT PROJECTOR CAMERAS OR MRI HEAD SCANS** 09:30 - 09:30

Speaker: Aleksij Kraljic (Slovenia)

PS07-29AM-501 **AI-ASSISTED ANNOTATION OF RODENT BEHAVIORS: COLLABORATION OF THE HUMAN OBSERVER AND SMARTANNOTATOR SOFTWARE THROUGH ACTIVE LEARNING** 09:30 - 09:30

Speaker: Lucas Noldus (Netherlands)

PS07-29AM-502 **VALIDATION OF TEMPLATE-BASED ATTENUATION CORRECTION FOR IN VIVO QUANTIFICATION OF THE SEROTONIN TRANSPORTER USING POSITRON EMISSION TOMOGRAPHY** 09:30 - 09:30

Speaker: Christian Milz (Austria)

PS07-29AM-503 **MAPPING INDIVIDUAL VARIABILITY IN THE PITUITARY GLAND: A NEW VOLUMETRIC ATLAS** 09:30 - 09:30

Speaker: Fabien Schneider (France)

PS07-29AM-504 **VIRTUAL REALITY EMPOWERED DEEP LEARNING ANALYSIS OF BRAIN CELLS** 09:30 - 09:30

Speaker: Doris Kaltenecker (Germany)

PS07-29AM-505 **THREE-DIMENSIONAL REFERENCE ATLASES FOR INTEGRATION AND ANALYSIS OF DATA FROM THE POSTNATAL MOUSE BRAIN** 09:30 - 09:30

Speaker: Heidi Kleven (Norway)

PS07-29AM-506 **SCIENTIFIC CONTENT MANAGEMENT WITH ADVANCED ML & NLP AT WORLD WIDE NEURO** 09:30 - 09:30

Speaker: Panos Bozelos (Austria)

PS07-29AM-507 **BENCHMARKING DEEP-LEARNING BASED WHOLE-BRAIN MRI SEGMENTATION TOOLS FOR MORPHOMETRY** 09:30 - 09:30

Speaker: Victor Mello (Switzerland)

PS07-29AM-508 **RE-ANALYSING THE ALLEN GENE EXPRESSION ISH DATASET WITH DEEP LEARNING** 09:30 - 09:30

Speaker: Harry Carey (Norway)

Poster Sessions

09:30 - 13:00

Posters

Poster Session 07 - Receptor Dynamics

PS07-29AM-301 **ENDOPLASMIC RETICULUM QUALITY CONTROL MACHINERY** 09:30 - 09:30

VALIDATES STRUCTURAL CHANGES, NOT FUNCTIONALITY, OF NMDA RECEPTORS

Speaker: Marek Ladislav (Czech Republic)

PS07-29AM-302 **THE ROLE OF DISULFIDE BONDS IN GLUN1 IN THE REGULATION OF THE EARLY TRAFFICKING AND FUNCTIONAL PROPERTIES OF GLUN1/GLUN2 SUBTYPES OF NMDA RECEPTORS** 09:30 - 09:30

Speaker: Jakub Netolicky (Czech Republic)

PS07-29AM-303 **THE ROLE OF DISULFIDE BONDS IN GLUN1 IN THE REGULATION OF THE EARLY TRAFFICKING AND FUNCTIONAL PROPERTIES OF GLUN1/GLUN3A SUBTYPES OF NMDA RECEPTORS** 09:30 - 09:30

Speaker: Petra Zahumenská (Czech Republic)

PS07-29AM-304 **THE EFFECTS OF DISEASE-ASSOCIATED MUTATIONS ON THE CONFORMATIONAL DYNAMICS OF NMDA RECEPTORS** 09:30 - 09:30

Speaker: Mark Dobrovolskii (Czech Republic)

PS07-29AM-305 **INSIGHTS INTO THE PHARMACOLOGY OF GLUN3A RECEPTORS: EXPLORING THE MECHANISM OF ACTION OF SELECTIVE INHIBITORS AND THEIR ACTIVITY AT NATIVE RECEPTORS** 09:30 - 09:30

Speaker: Anne-Kathrin Ludwig (Germany)

PS07-29AM-306 **ESCRT PROTEINS AS TARGETS FOR NOVEL ANTIPSYCHOTIC DRUGS** 09:30 - 09:30

Speaker: Mohamed Shalaby (United Kingdom)

PS07-29AM-307 **FUNCTIONAL INTERNALLY TAGGED VPS10P-DOMAIN RECEPTORS: A NOVEL TOOL TO INVESTIGATE THEIR ENDOSOMAL ITINERARIES, DIMERIZATION AND LIGAND INTERACTIONS THAT REVEALS THEIR POTENTIAL ROLE IN BDNF TRANSPORT** 09:30 - 09:30

Speaker: Marcel Klein (Germany)

PS07-29AM-308 **SCREENING FOR NOVEL MODULATORS OF HP2X2 AND HP2X4 RECEPTORS USING AN *IN SILICO* APPROACH** 09:30 - 09:30

Speaker: Pamela Godoy (Chile)

PS07-29AM-309 **A PHARMACOLOGICAL SIGNATURE TO SELECTIVELY IDENTIFY MGLU7 CONTAINING HETERODIMERS** 09:30 - 09:30

Speaker: Laurent Prézeau (France)

PS07-29AM-310 **NANOBODY-BASED FRET BIOSENSORS TO QUANTIFY ENDOGENOUS GROUP I METABOTROPIC GLUTAMATE RECEPTORS** 09:30 - 09:30

Speaker: Ugo Alenda (France)

PS07-29AM-311 **THE ROLE OF THE GDG MOTIF OF THE GLUN2 SUBUNIT FOR MECHANISM OF NMDAR ACTIVATION** 09:30 - 09:30

Speaker: Eni Tomovic (Czech Republic)

PS07-29AM-312 **AN *EX-VIVO* BRAIN SLICE MODEL TO ASSESS THE IMPACT OF ELEVATED EXTRACELLULAR GLUTAMATE AND EAAT BLOCKADE ON SYNAPTIC AND EXTRASYNAPTIC NMDA RECEPTOR FUNCTION** 09:30 - 09:30

Speaker: C. Peter Bengtson (Germany)

Scientific Symposia (S)

09:45 - 11:15

A

S49 - Behavioural and Neural Principles of Time Perception

Chair: Georgios Michalareas (Max Planck Institute for Empirical Aesthetics, Department of Cognitive Neuropsychology, Germany)

Introduction

09:45 - 09:47

Timing via mental navigation in entorhinal cortex	09:47 - 10:05
<i>Speaker:</i> Mehrdad Jazayeri (MIT, United States)	
Q&A	10:05 - 10:09
Multiplexing Working Memory and Time	10:09 - 10:27
<i>Speaker:</i> Dean Buonomano (University of California Los Angeles (UCLA), United States)	
Q&A	10:27 - 10:31
When Time and Emotion meet: Human and animal perspectives	10:31 - 10:49
<i>Speaker:</i> Valérie Doyère (CNRS, France)	
Q&A	10:49 - 10:53
Probability Computation in Temporal Prediction	10:53 - 11:11
<i>Speaker:</i> Matthias Grabenhorst (Ernst Strüngmann Institute (ESI) for Neuroscience in Cooperation with Max Planck Society, Germany)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i> 09:45 - 11:15	B
S50 - Dissecting the Network: From Circuit Development to Epilepsy Control	
<i>Chair:</i> Magor Lőrincz (University of Szeged, Hungary)	
Introduction	09:45 - 09:47
Non-invasive control and behavioral monitoring in epilepsy	09:47 - 10:05
<i>Speaker:</i> Ivan Soltesz (Stanford University, United States)	
Q&A	10:05 - 10:09
Development of hippocampal assemblies	10:09 - 10:27
<i>Speaker:</i> Rosa Cossart (Institute of Mediterranean Neurobiology, INSERM, Aix-Marseille University, France)	
Q&A	10:27 - 10:31
Astroglial connexins differentially drive chronic seizures in mice and humans	10:31 - 10:49
<i>Speaker:</i> Nathalie Rouach (College de France, France)	
Q&A	10:49 - 10:53
Heterogenous thalamocortical motifs determining paroxysmal events	10:53 - 11:11
<i>Speaker:</i> Magor Lőrincz (University of Szeged, Hungary)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i> 09:45 - 11:15	C
S51 - Neurodevelopmental trajectories in psychiatric disorders	
<i>Chair:</i> Konstantin Khodosevich (University of Copenhagen, Denmark)	
<i>Chair:</i> Aya Ito-Ishida (RIKEN Center for Brain Science, Japan)	
Introduction	09:45 - 09:47
Developmental mechanisms in schizophrenia: integration of single-cell omics and functional analysis	09:47 - 10:05
<i>Speaker:</i> Konstantin Khodosevich (University of Copenhagen, Denmark)	
Q&A	10:05 - 10:09

Understanding cortical dynamics that underly neurological impairment in Rett syndrome	10:09 - 10:27
<i>Speaker:</i> Aya Ito-Ishida (RIKEN Center for Brain Science, Japan)	
Q&A	10:27 - 10:31
Modeling brain maturation - implications for neurodevelopmental disorders	10:31 - 10:49
<i>Speaker:</i> Carl Sellgren Majkowitz (Karolinska Institutet, Sweden)	
Q&A	10:49 - 10:53
Intergenerational effects on early human brain development	10:53 - 11:11
<i>Speaker:</i> Jetro Tuulari (University of Turku, Finland)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	D
S52 - Human cortical connectivity and cognition using intracranial EEG	
<i>Chair:</i> Maxime Baud (Inselspital, Switzerland)	
<i>Chair:</i> Randolph Helfrich (University Medical Center Tübingen, Germany)	
Introduction	09:45 - 09:47
Interplays between intrinsic brain dynamics and auditory processing in sleep and wake	09:47 - 10:05
<i>Speaker:</i> Athina Tzovara (University of Bern, Switzerland, Switzerland)	
Q&A	10:05 - 10:09
The role of the limbic systems in auditory and visual stimuli processing.	10:09 - 10:27
<i>Speaker:</i> Anaïs Llorens (FEMTO-ST Institute, CNRS/Université de Bourgogne Franche-Comté & INSERM 1266, IPNP, Sainte Anne Hospital, Paris, France)	
Q&A	10:27 - 10:31
Naturalistic audiovisual speech	10:31 - 10:49
<i>Speaker:</i> Pierre Mégevand (University of Geneva, Switzerland)	
Q&A	10:49 - 10:53
Concept neurons in the human medial temporal lobe	10:53 - 11:11
<i>Speaker:</i> Florian Mormann (University of Bonn, Germany)	
Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>	
09:45 - 11:15	E
S53 - Mazed and confused: The neuronal basis for spatial impairments in Alzheimer's disease	
<i>Chair:</i> Silvia Viana da Silva (German Center for Neurodegenerative Diseases (DZNE) - site Berlin, Germany)	
<i>Chair:</i> Mark Brandon (Douglas Research Centre, Department of Psychiatry, McGill University, Canada)	
Introduction	09:45 - 09:47
Path integration and grid cell impairments in an amyloid mouse model of Alzheimer's disease	09:47 - 10:05
<i>Speaker:</i> Mark Brandon (Douglas Research Centre, Department of Psychiatry, McGill University, Canada)	
Q&A	10:05 - 10:09
Hippocampus contributions to cognitive changes in aging	10:09 - 10:27

Speaker: Carol Barnes (University of Arizona, United States)

Q&A 10:27 - 10:31

Rhythmic coordination of hippocampal place cells in rodent models of Alzheimer's disease 10:31 - 10:49

Speaker: Laura Colgin (The University of Texas at Austin, United States)

Q&A 10:49 - 10:53

What mechanisms can explain navigational decline in human aging and preclinical Alzheimer's disease 10:53 - 11:11

Speaker: Vladislava Segen (DZNE, Magdeburg, Germany)

Q&A 11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

F

S54 - The dynamics of dopamine release and its actions on target cells

Chair: Tanya Sippy (New York University School of Medicine, United States)

Introduction 09:45 - 09:47

Striatal dopamine release dynamics during flavor-nutrient conditioning 09:47 - 10:05

Speaker: Joaquim Alves da Silva (Champalimaud Foundation, Portugal)

Q&A 10:05 - 10:09

Mapping dopaminergic dynamics during social dominance and defeat 10:09 - 10:27

Speaker: Annegret Falkner (Princeton University, United States)

Q&A 10:27 - 10:31

Intrinsic dopamine and acetylcholine dynamics in the striatum of awake mice 10:31 - 10:49

Speaker: Nicolas Tritsch (New York University Grossman School of Medicine, United States)

Q&A 10:49 - 10:53

Neural mechanisms of multisensory learning 10:53 - 11:11

Speaker: Tanya Sippy (New York University School of Medicine, United States)

Q&A 11:11 - 11:15

Scientific Symposia (S)

09:45 - 11:15

G

S55 - Surprise! Cortical prediction errors in learning and behaviour

Chair: Rebecca Jordan (University of Edinburgh, United Kingdom)

Chair: Leena E Williams (the University of Edinburgh, United Kingdom)

Introduction 09:45 - 09:47

Formation and refinement of prediction-error neurons in circuits with multiple neuron types 09:47 - 10:05

Speaker: Loreen Hertäg (Technische Universität Berlin & Bernstein Center for Computational Neuroscience, Germany)

Q&A 10:05 - 10:09

Neural circuits underlying flexible behavior 10:09 - 10:27

Speaker: Adil Khan (King's College London, United Kingdom)

	Q&A	10:27 - 10:31
	Evolution of unexpected event signals in cortical neurons associated with unsupervised learning	10:31 - 10:49
<i>Speaker:</i> Joel L Zylberberg (York University, Canada)		
	Q&A	10:49 - 10:53
	Behavior-relevant top-down cross-modal predictions in mouse neocortex	10:53 - 11:11
<i>Speaker:</i> Fritjof Helmchen (University of Zurich, Switzerland)		
	Q&A	11:11 - 11:15
 <i>Scientific Symposia (S)</i>		
09:45 - 11:15		H
S56 - Diverse glial contribution to demyelination and Multiple Sclerosis		
<i>Chair:</i> Adelaide Fernandes (Faculty of Pharmacy, Universidade de Lisboa, Portugal)		
<i>Chair:</i> Fernando de Castro Soubriet (Spanish Research Council / CSIC-Consejo Superior de Investigaciones Científicas, Spain)		
	Introduction	09:45 - 09:47
	Interplay between activation of endogenous retroviruses, microglia and myelin repair	09:47 - 10:05
<i>Speaker:</i> Patrick Küry (Heinrich-Heine University, Germany)		
	Q&A	10:05 - 10:09
	The path from choroid plexus to the (sub)ventricular zone and back: impact for multiple sclerosis	10:09 - 10:27
<i>Speaker:</i> Ana Mendanha-Falcao (Life and Health Sciences Research Institute (ICVS) at University of Minho; Karolinska Institutet, Portugal)		
	Q&A	10:27 - 10:31
	Neuroglial signatures underlying progressive neuroinflammation	10:31 - 10:49
<i>Speaker:</i> Lucas Schirmer (Heidelberg University, Germany)		
	Q&A	10:49 - 10:53
	Defining the contribution of microglia and perivascular macrophages to myelination of the CNS	10:53 - 11:11
<i>Speaker:</i> Alana Hoffmann (Keenan Research Centre for Biomedical Science (St. Michael's Hospital Toronto), Canada)		
	Q&A	11:11 - 11:15
 <i>Special Lecture (SL)</i>		
11:30 - 12:30		A
SL08 - EJN Special Feature Lecture, Michelle Gray (US), Simona Lodato (IT)		
	Introduction	11:30 - 11:33
	Striatal Astrocyte-Interneuron Interactions in Huntington's Disease	11:33 - 12:00
<i>Speaker:</i> Michelle Gray (University of Alabama at Birmingham, United States)		
	Introduction	12:00 - 12:03
	The EJN Special Feature: Spontaneous activity in the developing cerebral cortex in health and disease	12:03 - 12:30
<i>Speaker:</i> Simona Lodato (Humanitas University- Humanitas Research Hospital, Italy)		

<i>Special Lecture (SL)</i> 11:30 - 12:30	B
SL09 - ERA-NET NEURON/Excellent Paper in Neuroscience Award Lecture, Ana Dorrego-Rivas (UK)	
Introduction	11:30 - 11:35
The core PCP protein Prickle-2 regulates axon number and AIS maturation by binding to AnkG and modulating microtubule bundling	11:35 - 12:15
<i>Speaker:</i> Ana Dorrego-Rivas (Centre for Developmental Neurobiology, King's College London, United Kingdom)	
Award Ceremony	12:15 - 12:25
 <i>Special Lecture (SL)</i> 11:30 - 12:15	 C
SL10 - ALBA-Elsevier Award Lecture, Agustín Ibáñez (IE, CL), Limei Zhang (MX)	
Introduction	11:30 - 11:32
The ALBA-Elsevier Award Lecture: Brain health research and multimodal diversity	11:32 - 11:52
<i>Speaker:</i> Agustin Ibañez (Global Brain Health Institute (GBHI), Ireland, and Latin American Brain Health Institute (BrainLat), Chile)	
Introduction	11:52 - 11:54
The ALBA-Elsevier Award Lecture Hypothalamic vasopressin magnocellular to lateral habenula circuit: how homeostatic stress controls motivation	11:54 - 12:14
<i>Speaker:</i> Limei Zhang (National Autonomous University of Mexico, Mexico)	
Award Presentation	12:14 - 12:15
 <i>Open Theatre (OT)</i> 11:30 - 12:30	 OT
OT13 - Science Literacy: How the Neuroscience Community Can Contribute	
<i>Chair:</i> Nora Raschle (Switzerland)	
Session Description	11:30 - 11:30
Speakers	11:30 - 11:30
<i>Speaker:</i> Julia Serong (Germany)	
<i>Speaker:</i> Emma Yhnell (United Kingdom)	
<i>Speaker:</i> Christian Bertsch (Austria)	
<i>Speaker:</i> Selahattin Danisman (Germany)	
<i>Speaker:</i> Sabine Gysi (Switzerland)	
 <i>Award Ceremony (AC)</i> 12:45 - 13:00	 A
AC04 - ALBA-FKNE Diversity Prize 2024 Ceremony	
 <i>Plenary Lecture (PL)</i> 13:00 - 14:00	 A
PL09 - Hertie Foundation Closing Lecture, Gregoire Courtine and Jocelyne Bloch (CH)	
Introduction	13:00 - 13:05
Lecture and Q&A - Mechanism-based neurotechnologies to treat motor and autonomic paralysis	13:05 - 14:00
<i>Speaker:</i> Gregoire Courtine (EPFL, CHUV and UNIL, Switzerland)	
<i>Speaker:</i> Jocelyne Bloch (EPFL, CHUV and UNIL, Switzerland)	

Other

14:00 - 14:15

Closing Ceremony

A