

Monday, July 6, 2026

*Special Interest Events (SIE)*

10:00 - 12:00

HALL H

**EBBS/EBPS Special Symposium: The importance of behaviour to neuroscience: from cells to systems***Special Interest Events (SIE)*

10:30 - 12:00

HALL B

**Insights from psychiatry and neurology: translating multidisciplinary neuroscience research to the clinic**

Chair: Karen Doyle (Galway, Ireland)

Chair: Andrea Fiorillo (Naples, Italy)

**Machado-Joseph disease - from mechanisms to drugs and back** 10:30 - 10:30

Speaker: Patricia Maciel (Braga, Portugal)

**EPA Speaker** 10:30 - 10:30**Translational research in nutrition and stroke: from Drosophila to new functional foods** 10:30 - 10:30

Speaker: Joan Montaner Villalonga (Seville, Spain)

**Therapies and drug development for Parkinson's disease** 10:30 - 10:30

Speaker: Per Svenningsson (Stockholm, Sweden)

*Technical Workshop (W)*

11:00 - 14:00

HALL C

**W01 - Expanding Horizons: Array Tomography in Neuroscience for All - Pre-booking is required**

Chair: Martina Schifferer (München, Germany)

Chair: Mariano Soiza-Reilly (Buenos Aires, Argentina)

**Array tomography in post-mortem human brain tissue** 11:00 - 11:00

Speaker: Tara Spires-Jones (Edinburgh, United Kingdom)

**Molecular composition of rodent and human synapses in health and disease** 11:00 - 11:00

Speaker: Zoltan Nusser (Budapest, Hungary)

**Guided accumulation of ultrathin serial sections with a static magnetic field** 11:00 - 11:00

Speaker: Kevin Briggman (Bonn, Germany)

**Insights into synaptic function and plasticity with conjugate array tomography** 11:00 - 11:00

Speaker: Kristina Micheva (Stanford, CA, United States)

**Quantitative interrogation of input-specific brain circuits with array tomography** 11:00 - 11:00

Speaker: Mariano Soiza-Reilly (Buenos Aires, Argentina)

**vEM and Neuronal Connectomics in Marine Zooplankton Larvae** 11:00 - 11:00

Speaker: Gaspar Jekely (Heidelberg, Germany)

*Technical Workshop (W)*

11:00 - 14:00

HALL D

**W02 - "Sequencing the Connectome": High-Throughput Circuit Mapping Using Genetically-Barcoded Viral Tools - Pre-booking is required**

Chair: Ian Wickersham (Cambridge, United States)

Chair: Cathryn Cadwell (San Francisco, United States)

**Conservation and innovation of wiring rules of the primary visual cortex across species** 11:00 - 11:00

Speaker: Xiaoyin Chen (Seattle, Washington, United States)

**The input-output organization of the cortical-thalamic-basal ganglia network and its molecular basis** 11:00 - 11:00

Speaker: Shenqin Yao (Seattle, United States)

**Connectome-seq: High-throughput Circuit Mapping via Single-Nucleus and Synaptosome Sequencing** 11:00 - 11:00

Speaker: Boxuan Zhao (Urbana, United States)

**Barcoding across vertebrates** 11:00 - 11:00

Speaker: Justus Kobschull (Baltimore, United States)

**Shotgun assembly of synaptic wiring diagrams** 11:00 - 11:00

Speaker: Arpiar Saunders (Portland, United States)

**Tracing 1000s of synaptic connections with BRISC: Barcoded Rabies In Situ Connectomics** 11:00 - 11:00

Speaker: Petr Znamenskiy (London, United Kingdom)

*Technical Workshop (W)*

11:00 - 14:00

HALL E

**W03 - Novel Technologies to Study Glia in Neuronal Circuits - Pre-booking is required**

Chair: Michael-John Dolan (Dublin, Ireland)

Chair: Helena Pivoňková (Prague, Czech Republic)

**In vivo Perturb-seq: Investigating gene function and their brain-wide action at scale** 11:00 - 11:00

Speaker: Xin Jin (La Jolla, United States)

**Barcoded lineage and circuit tracing to uncover principles of neural network assembly** 11:00 - 11:00

Speaker: Michael Ratz (Stockholm, Sweden)

**Genetic tracking reactive microglial states throughout the lifespan** 11:00 - 11:00

Speaker: Qingyun Li (St. Louis, United States)

**Unveiling Astrocyte Mitochondrial Dynamics with Chronic Intravital Imaging** 11:00 - 11:00

Speaker: Amit Agarwal (Heidelberg, Germany)

**Targeted synaptic barcoding for joint acquisition of transcriptomic and neuroanatomical identity** 11:00 - 11:00

Speaker: Michael-John Dolan (Dublin, Ireland)

**Combining electrophysiology and transcriptome to uncover functional diversity in glial cells.** 11:00 - 11:00

Speaker: Helena Pivoňková (Prague, Czech Republic)

*Technical Workshop (W)*

11:00 - 14:00

HALL F

**W04 - Visualizing deep-brain networks: From structural architecture to signalling activity - Pre-booking is required**

Chair: Hana Uhlířová (Brno, Czech Republic)

Chair: Tommaso Fellin (Genova, Italy)

**Optical interrogation of Alzheimer's disease using fiber photometry** 11:00 - 11:00

Speaker: Nicole Byron (London, United Kingdom)

**Aberration corrected GRIN lenses for extended field-of-view two-photon imaging in deep brain regions** 11:00 - 11:00

Speaker: Chiara Nardin (Genova, Italy)

<b>Nanophotonic Neural Probes for Deep-Brain</b>	11:00 - 11:00
Speaker: Wesley Sacher (Halle, Germany)	
<b>Exploring brain with fibre optics: holographic endoscopy for deep brain imaging</b>	11:00 - 11:00
Speaker: Tomáš Čižmár (Jena, Germany)	

*Technical Workshop (W)*

11:00 - 14:00

HALL G

**W05 - Imaging brain-wide activity across behavioral states and species using functional ultrasound imaging - Pre-booking is required**

Chair: Antoine Bergel (Paris, France)

<b>Neurovascular interactions across the sleep-wake cycle in freely-moving rats, mice and reptiles</b>	11:00 - 11:00
Speaker: Antoine Bergel (Paris, France)	
<b>Neural correlates of spontaneous behavioral state switching</b>	11:00 - 11:00
Speaker: Emilie Macé (Göttingen, Germany)	
<b>Cortical hemodynamic activity tracks arousal in awake ferrets</b>	11:00 - 11:00
Speaker: Yves Boubenec (Paris, France)	
<b>Modulation of brainwide activity by arousal and behavioral state</b>	11:00 - 11:00
Speaker: Agnes Landemard (London, United Kingdom)	
<b>Mobile human brain imaging using functional ultrasound</b>	11:00 - 11:00
Speaker: Sadaf Soloukey (Rotterdam, Netherlands)	
<b>Transcranial in-depth ultrafast ultrasound brain imaging in non-human primates</b>	11:00 - 11:00
Speaker: Thomas Orset (Paris, France)	

*Special Interest Events (SiE)*

12:15 - 13:45

HALL H

**Decoding brain diseases: inflammation, immunology, and body-brain interactions**

Chair: Michael Heneka (Esch-Belval, Luxembourg)

<b>The good, the bad, and the ugly: the various roles of microglia in Alzheimer's disease pathogenesis</b>	12:15 - 12:15
Speaker: Michael Heneka (Esch-Belval, Luxembourg)	
<b>Alzheimer's disease-related pathology alters synaptic transmission and microglia-neuron interaction in the human brain</b>	12:15 - 12:15
Speaker: Tarja Malm (Kuopio, Finland)	
<b>Immune cells as a modulator of disease progression in Amyotrophic Lateral Sclerosis</b>	12:15 - 12:15
Speaker: Severine BOILLÉE (Paris, France)	
<b>Inflammation and immunity in depression, schizophrenia, and Alzheimer's: from causal mechanism to new treatment</b>	12:15 - 12:15
Speaker: Golam Khandaker (Bristol, United Kingdom)	

*Special Lecture (SL)*

13:00 - 14:00

HALL B

**SL01 - FENS-EJN Awards Lectures**

<i>Brain Debate</i> 14:30 - 16:00	HALL A
<b>Brain Debate: 'From animals to alternatives and the future of research models'</b> Moderator: Christelle Baunez (Marseille, France)	
<b>Panelists</b>	14:30 - 14:30
Speaker: Alexandra Tzilivaki (Berlin, Germany)	
Speaker: Angela Roberts (Cambridge, United Kingdom)	
Speaker: Emmanuel Procyk (Bron, France)	
Speaker: Kirk Leech (London, United Kingdom)	
Speaker: Sergiu Pasca (Stanford, United States)	
Speaker: Viola Galligioni (Amsterdam, Netherlands)	
 <i>Opening Ceremony</i> 16:45 - 18:00	HALL A
<b>Opening Ceremony</b>	
 <i>Plenary Lecture (PL)</i> 18:00 - 19:00	HALL A
<b>PL01 - Fred Kavli Opening Plenary Lecture, Guillermina López-Bendito (ES)</b>	
<b>Introduction</b>	18:00 - 18:05
<b>Wiring the Senses: The Dialogue Between Genes and Spontaneous Activity in Circuit Formation</b>	18:05 - 19:00
Speaker: Guillermina López-Bendito (Alicante, Spain)	
 <i>Networking Events (NE)</i> 19:00 - 20:30	HALL E
<b>Ibero-American brain health and dementia network</b>	
 <i>Networking Events (NE)</i> 19:00 - 20:30	HALL F
<b>What can models do in neuroscience? On benefits of exchange between neuroscientists and philosophers</b>	
 <i>Networking Events (NE)</i> 19:00 - 20:30	HALL G
<b>ECNP Nutrition Network Social</b>	
 <i>Networking Events (NE)</i> 19:00 - 20:30	HALL H
<b>Towards the Establishment of National Brain Plans in Europe</b>	
 <i>Networking Events (NE)</i> 19:00 - 20:30	ROUNDTABLE HALL
<b>Shape your PI skills</b>	

Tuesday, July 7, 2026

*Plenary Lecture (PL)*

08:30 - 09:30

HALL A

**PL02 - ERA-NET NEURON Plenary Lecture, Elisabeth Binder (DE)**

**Introduction**

08:30 - 08:35

**Understanding the Molecular Impact of Stress: from functional mapping of Gene-Environment Interactions to clinical implication**

08:35 - 09:30

Speaker: Elisabeth Binder (Munich, Germany)

*Poster Sessions with authors in attendance*

09:30 - 13:00

POSTER AREA

**PS01 - Poster session 01 (Poster authors in attendance: 11:30 - 13:00)**

*Scientific Symposia (S)*

09:45 - 11:15

HALL A

**S01 - Thalamocortical Circuits in Cognition: From Adaptive Learning to Maladaptive States**

Chair: Mathieu Wolff (Bordeaux, France)

**Thalamocortical bursts encode stimulus-reward contingencies**

09:45 - 09:45

Speaker: Alexander Groh (Heidelberg, Germany)

**Cell type-specific thalamic control of cortical states**

09:45 - 09:45

Speaker: Ferenc Matyas (Budapest, Hungary)

**Thalamocortical circuits for processing unexpected visual information**

09:45 - 09:45

Speaker: Sonja Hofer (London, United Kingdom)

**Thalamic circuits for visual processing**

09:45 - 09:45

Speaker: Fiona Müllner (Aarhus C, Denmark)

*Scientific Symposia (S)*

09:45 - 11:15

HALL B

**S02 - Light on the Move: Optical Developments and Circuit Neuroscience in Freely Moving Animals**

Chair: Nicolo Accanto (Barcelona, Spain)

Chair: Isabelle Ferezou (Saclay, France)

**Miniscope imaging reveals persistent prefrontal reference frames across task rules**

09:45 - 09:45

Speaker: Marlene Bartos (Freiburg, Germany)

**Development of miniature two-photon microscopy to study neural computation in freely moving animals**

09:45 - 09:45

Speaker: Weijian Zong (Trondheim, Norway)

**Fast imaging of neuronal activity in freely-behaving mice using a confocal fiberscope**

09:45 - 09:45

Speaker: Cathie Ventalon (Paris, France)

**Linking Neural Ensemble Dynamics to Memory Encoding and Flexible Avoidance via In Vivo Imaging**

09:45 - 09:45

Speaker: Benjamin Grewe (Zurich, Switzerland)

*Scientific Symposia (S)*

09:45 - 11:15

HALL C

**S03 - Ectodomain Shedding in Brain Disorders: From Mechanism to Therapeutic Potential**

Chair: M. Dolores Martín-de-Saavedra (Madrid, Spain)

**Ectodomain shedding in neurodevelopmental conditions: from synapses to connectivity** 09:45 - 09:45

Speaker: M. Dolores Martín-de-Saavedra (Madrid, Spain)

**Pro-cognitive reshaping of neuronal dynamics by a human CSF-based factor** 09:45 - 09:45

Speaker: Peter Penzes (Chicago, United States)

**Proteolysis in neurodegeneration: from amyloid production to microglial risk genes** 09:45 - 09:45

Speaker: Stefan Lichtenthaler (Munich, Germany)

**Gamma-secretase dysfunction across familial Alzheimer's disease causal genes, is it all about APP?** 09:45 - 09:45

Speaker: Lucía Chávez Gutiérrez (Leuven, Belgium)

*Scientific Symposia (S)*

09:45 - 11:15

HALL D

**S04 - Neuro-Evo-Devo: Origins and diversification of neural systems**

Chair: Lora Sweeney (Klosterneuburg, Austria)

Chair: Nikolaos Konstantinides (Paris, France)

**Functional evolution of the taste and digestive system in vertebrates** 09:45 - 09:45

Speaker: Maude Baldwin (Martinsried, Germany)

**Syncytial nerve net in a ctenophore: a different view on neural organization and signaling** 09:45 - 09:45

Speaker: Pawel Burkhardt (Bergen, Norway)

**Cross-species receptor expression tracing in an olfactory organ uncovers evolutionary patterns** 09:45 - 09:45

Speaker: Lucia Prieto-Godino (London, United Kingdom)

**The evolution of cell types and neural circuits in the cerebral cortex** 09:45 - 09:45

Speaker: Maria Antonietta Tosches (New York City, United States)

*Scientific Symposia (S)*

09:45 - 11:15

HALL E

**S05 - Shining a light on the extracellular matrix and its interactions with neurons and glia**

Chair: Federico N. Soria (Leioa, Spain)

Chair: Anna M. Planas (Barcelona, Spain)

**The Extracellular Matrix as a Key Modulator of Microglial Dynamics** 09:45 - 09:45

Speaker: Federico N. Soria (Leioa, Spain)

**Visualizing Extracellular Matrix Remodeling in Mouse and Human Models of Stroke** 09:45 - 09:45

Speaker: Egor Dzyubenko (Essen, Germany)

**Sculpting the Matrix Over Time: Astrocytic Control via Secreted Molecules** 09:45 - 09:45

Speaker: Dolores Irala (Memphis, United States)

**Ultraresolution Imaging of Neuron-Glial Interactions and Extracellular Matrix** 09:45 - 09:45

Speaker: Silvio O. Rizzoli (Göttingen, Germany)

*Scientific Symposia (S)*

09:45 - 11:15

HALL F

**S06 - Neurobiological mechanisms on the cognitive control of feeding in the modern food environment**

Chair: Stephanie Borgland (Calgary, Canada)

**The role of the orbitofrontal cortex in the cognitive control of feeding** 09:45 - 09:45

Speaker: Stephanie Borgland (Calgary, Canada)

**Adolescent diet exposure and dopaminergic changes in adult food intake behaviours** 09:45 - 09:45

Speaker: Fabien Naneix (Aberdeen, United Kingdom)

**Brain Lipid sensing and adaptive responses to the modern food environment** 09:45 - 09:45

Speaker: Serge Luquet (Paris Cedex, France)

**Ultra-processed food affects structural integrity of feeding-related brain regions in humans** 09:45 - 09:45

Speaker: Annette Horstmann (Helsinki, Finland)

*Scientific Symposia (S)*

09:45 - 11:15

HALL G

**S07 - Memory in context**

Chair: Karsten Rauss (Tuebingen, Germany)

Chair: Lila Davachi (New York, United States)

**How context stability and change determine the organization and content of episodic memories** 09:45 - 09:45

Speaker: Lila Davachi (New York, United States)

**Reconstructing context: rethinking the nature of context within memory** 09:45 - 09:45

Speaker: Alexander Easton (Durham, United Kingdom)

**Piecing the World Together: How context shapes emotional and incidental learning during development** 09:45 - 09:45

Speaker: Patrese A. Robinson (Haverford, United States)

**The life of a memory: it's all about context** 09:45 - 09:45

Speaker: Vanessa A. van Ast (Amsterdam, Netherlands)

*Scientific Symposia (S)*

09:45 - 11:15

HALL H

**S08 - From bench to bedside: Novel biomarkers and models to accelerate ALS therapeutic discovery**

Chair: Orla Hardiman (Dublin, Ireland)

Chair: Gabriel Costa (Dublin, Ireland)

**Cryptic exons as markers for TDP-43 proteinopathy** 09:45 - 09:45

Speaker: Ana Rita Agra de Almeida (Coimbra, Portugal)

**Evolving Models of ALS: the Missing Links** 09:45 - 09:45

Speaker: Mark Baker (Newcastle Upon Tyne, United Kingdom)

**Integrating data from cell models and human cohorts for novel biomarker identification in ALS** 09:45 - 09:45

Speaker: Kevin Talbot (Oxford, United Kingdom)

**Precision Medicine in ALS - Are we there yet?** 09:45 - 09:45

Speaker: Orla Hardiman (Dublin, Ireland)

*Sponsored Sessions (SS)*

12:00 - 13:00

HALL E

**Sponsored Session***Special Interest Events (SiE)*

12:00 - 13:00

HALL F

**Behind the paper: publishing pressures and the future of neuroscience***Special Interest Events (SiE)*

12:00 - 13:00

HALL G

**A world full of opportunities: neuroscientist careers outside academia***Special Interest Events (SiE)*

12:00 - 13:00

HALL H

**Political Advocacy for Neuroscience Research Funding in a Changing World***Special Interest Events (SiE)*

12:00 - 13:00

ROUNDTABLE HALL

**A Discussion on Open Science with the Allen Institute***Special Lecture (SL)*

13:30 - 14:30

HALL A

**SL02 - Brain Prize Lecture, Frank Winkler (DE), Michelle Monje (US)****Cancer Neuroscience in focus: Neural influences on brain tumors and their response to therapies**

13:30 - 13:55

Speaker: Frank Winkler (Heidelberg, Germany)

**The Neuroscience of Brain Cancers**

13:55 - 14:20

Speaker: Michelle Monje (Stanford, United States)

*Special Lecture (SL)*

13:30 - 14:30

HALL B

**SL03 - EBBS/Behavioural Brain Research Lecture, Charan Ranganath (US)****Hippocampal Memory as a Limited Resource in an Uncertain World**

13:30 - 14:25

Speaker: Charan Ranganath (Davis, United States)

*Poster Sessions with authors in attendance*

14:00 - 17:30

POSTER AREA

**PS02 - Poster session 02 (Poster authors in attendance: 14:00 - 15:30)***Scientific Symposia (S)*

15:40 - 17:10

HALL A

**S09 - Neuroplasticity and Depression: A Double-Edged Sword**

Chair: Claus Normann (Freiburg, Germany)

Chair: Urte Neniskyte (Vilnius, Lithuania)

**Neuroplasticity in depressed humans and mice: assessment, modulation, behavioral effects**

15:40 - 15:40

Speaker: Louise Schuberth (Freiburg, Germany)

**Building Resilience Through the Interplay between Plasticity and Context - a network-based approach**

15:40 - 15:40

Speaker: Igor Branchi (Rome, Italy)

**Behavioral outcomes of neuronal plasticity promoted by**

15:40 - 15:40

**antidepressants and psychedelics**

Speaker: Eero Castren (Helsinki, Finland)

**Local synaptic transcriptome reveals pre-synaptic molecular signatures of the plasticity state**

15:40 - 15:40

Speaker: Urte Neniskyte (Vilnius, Lithuania)

*Scientific Symposia (S)*

15:40 - 17:10

HALL B

**S10 - Whole-brain neural representations and computations: interplay and function**

Chair: Douglas Feitosa Tomé (Klosterneuburg, Austria)

Chair: Ying Zhang (Beijing, China)

**Data-driven circuit models reveal the dynamics of consensus across visual areas in mice**

15:40 - 15:40

Speaker: Guillaume Hennequin (Cambridge, United Kingdom)

**Uncovering unsupervised learning rules across multiple cortical visual areas**

15:40 - 15:40

Speaker: Carsen Stringer (Ashburn, United States)

**Parallelised orthogonal computations across distributed memory engrams**

15:40 - 15:40

Speaker: Douglas Feitosa Tomé (Klosterneuburg, Austria)

**Early cellular memories reveal the sequence and mechanisms of whole-brain functional development**

15:40 - 15:40

Speaker: Yingxi Lin (Dallas, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL C

**S11 - Flexible function through degenerate neural circuit architecture**

Chair: Carlotta Martelli (Mainz, Germany)

Chair: Marion Silies (Mainz, Germany)

**Circuit Mechanisms for Flexible and Adaptive Social Behaviors**

15:40 - 15:40

Speaker: Vanessa Ruta (New York, United States)

**Degenerate circuit motifs support functional robustness of motion detection**

15:40 - 15:40

Speaker: Marion Silies (Mainz, Germany)

**Exploring heterogeneity and redundancy in large-scale models of neural computations**

15:40 - 15:40

Speaker: Jakob Macke (Tübingen, Germany)

**Neuronal circuits controlling initiation, speed, and termination of walking in *Drosophila*.**

15:40 - 15:40

Speaker: Jan Ache (Würzburg, Germany)

*Scientific Symposia (S)*

15:40 - 17:10

HALL D

**S12 - Blue Networks: Mapping of Locus Coeruleus Structure and Function Across Lifespan and Species**

Chair: Maryam Ziaei (Lade, trondheim, Norway)

Chair: Valerio Zerbi (Geneva, Switzerland)

**Tracking anatomical changes in LC connections across aging and Alzheimer's disease**

15:40 - 15:40

Speaker: Joana Braga Peira (Stockholm, Sweden)

**Alteration of locus coeruleus organization and emotional well-being in late adulthood**

15:40 - 15:40

Speaker: Maryam Ziaei (Lade, trondheim, Norway)

<b>Mapping noradrenergic networks: a cross-scale journey into Locus Coeruleus control of brain dynamics</b>	15:40 - 15:40
Speaker: Valerio Zerbi (Geneva, Switzerland)	
<b>Linking cortical noradrenergic receptor expression to spontaneous and learned behaviors</b>	15:40 - 15:40
Speaker: Vincent Breton-Provenchar (Québec, Canada)	
<i>Scientific Symposia (S)</i>	
15:40 - 17:10	HALL E
<b>S13 - The Role of Forces and Mechanics in Neuronal Function</b>	
Chair: Michael Krieg (Castelldefels, Spain)	
Chair: Susanne Wegmann (Berlin, Germany)	
<b>Tethers and scaffolds for ultrafast mechanotransduction</b>	15:40 - 15:40
Speaker: Gary Lewin (Berlin, Germany)	
<b>Mechanical force induces axon growth in neurons: mechanisms and implications for regeneration</b>	15:40 - 15:40
Speaker: Vittoria Raffa (Pisa, Italy)	
<b>Mechanosensitive regulation of lipid mobility by a BAR-domain scaffold</b>	15:40 - 15:40
Speaker: Jennifer Kefauver (Oviedo, Spain)	
<b>Viscoelastic phase transitions and their role in neuronal mechanotransduction</b>	15:40 - 15:40
Speaker: Michael Krieg (Castelldefels, Spain)	
<i>Scientific Symposia (S)</i>	
15:40 - 17:10	HALL F
<b>S14 - Connectomics of memory</b>	
Chair: Matthias Haberl (Berlin, Germany)	
Chair: Helene Schmidt (Frankfurt, Germany)	
<b>Structural synaptic plasticity during hippocampal LTP</b>	15:40 - 15:40
Speaker: Kristen Harris (Austin, United States)	
<b>Characterising engrams in the insect mushroom body</b>	15:40 - 15:40
Speaker: Marta Zlatic (Cambridge, United Kingdom)	
<b>Time-resolved multimodal microscopy: revealing stable and dynamic structures and connections</b>	15:40 - 15:40
Speaker: Mark Ellisman (San Diego, United States)	
<b>Connectomic traces of memory in mouse and shrew</b>	15:40 - 15:40
Speaker: Helene Schmidt (Frankfurt, Germany)	
<i>Scientific Symposia (S)</i>	
15:40 - 17:10	HALL G
<b>S15 - 3D genome regulation of neurodevelopment and neuroplasticity</b>	
Chair: Angel Barco (Sant Joan d'Alacant, Spain)	
<b>Epigenetic regulation in brain development and evolution</b>	15:40 - 15:40
Speaker: Boyan Bonev (Munich, Germany)	
<b>Transcriptional coactivator shuttling during neuronal activation</b>	15:40 - 15:40
Speaker: Angel Barco (Sant Joan d'Alacant, Spain)	
<b>Cocaine exposure leads to long-term deregulation of gene expression and chromatin accessibility</b>	15:40 - 15:40
Speaker: Ana Pombo (Baltimore, United States)	

<b>Decoding the X-chromosome Dynamics in the Adult Female Brain</b>	15:40 - 15:40
Speaker: Marija Kundakovic (Bronx, New York, United States)	
<i>Scientific Symposia (S)</i>	
15:40 - 17:10	HALL H
<b>S16 - Effects of stressful events in shaping future experiences</b>	
Chair: Bianca Silva (Valbonne, France)	
<b>Attenuation of memories related to traumatic stress</b>	15:40 - 15:40
Speaker: Bianca Silva (Valbonne, France)	
<b>Early life stress impact on social behaviors and insular cortex activity</b>	15:40 - 15:40
Speaker: Joeri Bordes (Bordeaux, France)	
<b>Threat-Driven Prelimbic Dynamics Remodel Fear Representations</b>	15:40 - 15:40
Speaker: Gisella Vetere (Paris, France)	
<b>An anterior hypothalamic circuit gates stress vulnerability</b>	15:40 - 15:40
Speaker: Denise Cai (New York, NY, United States)	
<i>Award Ceremony (AC)</i>	
17:20 - 17:30	HALL A
<b>Peter Seeburg Integrative Neuroscience Prize Ceremony</b>	
<i>Plenary Lecture (PL)</i>	
17:30 - 18:30	HALL A
<b>PL03 - Plenary Lecture, Ila Fiete (US)</b>	
<b>Introduction</b>	17:30 - 17:35
<b>Spontaneous emergence of complex cortical structure from simple precursors: maps, hierarchies, and modules</b>	17:35 - 18:30
Speaker: Ila Fiete (Cambridge, United States)	
<i>Sponsored Sessions (SS)</i>	
18:45 - 20:15	HALL D
<b>Sponsored Session</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL E
<b>Austrian Neuroscience Association - General Assembly</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL F
<b>Portuguese Neuroscience Society - General Assembly</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL G
<b>Academic Careers in Germany: Networking and Exchange for Early-Career Researchers</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL H
<b>Advancing Sex-Inclusive Neuroscience Research</b>	

*Networking Events (NE)*

18:45 - 20:15

ROUNDTABLE HALL

**ALBA-Neuromatch-IBRO Event: Driving Equitable Global Participation in Neuroscience Training**

*Networking Events (NE)*

18:45 - 20:15

OTHER SITES (Various locations)

**The Social Brain networking event**

Wednesday, July 8, 2026

*Plenary Lecture (PL)*

08:30 - 09:30

HALL A

**PL04 - Plenary Lecture, Yukiko Goda (JP)**

**Introduction**

08:30 - 08:35

**Cracking the Synaptic Code in Local Circuits: Building Blocks of Brain Plasticity**

08:35 - 09:30

Speaker: Yukiko Goda (Okinawa, Japan)

*Poster Sessions with authors in attendance*

09:30 - 13:00

POSTER AREA

**PS03 - Poster session 03 (Poster authors in attendance: 11:30 - 13:00)**

*Scientific Symposia (S)*

09:45 - 11:15

HALL A

**S17 - Targeting oscillation deficits in Alzheimer's disease: new avenues for memory improvement**

Chair: Tristan Shuman (New York, United States)

**MEC-hippocampal desynchronization parallels the onset of memory deficits in a model of AD pathology**

09:45 - 09:45

Speaker: Tristan Shuman (New York, United States)

**Sharp Wave Ripples in the context Alzheimer's Disease: in search of a mechanism**

09:45 - 09:45

Speaker: Silvia Viana da Silva (Berlin, Germany)

**Towards closed-loop deep brain stimulation for the treatment of Alzheimer's disease**

09:45 - 09:45

Speaker: Andrew Sharott (Oxford, United Kingdom)

**Exploring Sensory Gamma Stimulation for Alzheimer's and Neuroprotective Strategies**

09:45 - 09:45

Speaker: Li-Huei Tsai (Cambridge, United States)

*Scientific Symposia (S)*

09:45 - 11:15

HALL B

**S18 - The modern neuroscience lab in the age of AI**

Chair: Emily Singer (New York, United States)

Chair: Mathew Abrams (Stockholm, Sweden)

**AI for better neuroscience: Boosting data integrity, quality, and impact with LLMs**

09:45 - 09:45

Speaker: Sean Hill (Lausanne, Switzerland)

**Improving Large Language Models as Model Organisms of Language in the Human Brain**

09:45 - 09:45

Speaker: Mariya Toneva (Saarbruecken, Germany)

**A computational knowledge ecosystem for neuroscience research**

09:45 - 09:45

Speaker: Satrajit Ghosh (Cambridge, United States)

**From bees to brains: Building better benchmarks for LLMs in biology**

09:45 - 09:45

Speaker: Rachel Parkinson (London, United Kingdom)

*Scientific Symposia (S)*

09:45 - 11:15

HALL C

**S19 - The other half - sex differences in Neuroscience**

Chair: Kerstin Lenk (Graz, Austria)

**Sex differences in glial cells contribute to the molecular etiology of Parkinson's disease** 09:45 - 09:45

Speaker: Julia M. Schulze-Hentrich (Saarbrücken, Germany)

**Astrocytes as architects of sex-specific brain maturation and behavior in health and disease** 09:45 - 09:45

Speaker: Barbara Di Benedetto (Regensburg, Germany)

**A divergent astrocytic response to stress alters activity patterns in male and female mice** 09:45 - 09:45

Speaker: Ciaran Murphy-Royal (Montreal, Québec, Canada)

**Modeling sex differences in astrocyte function: A computational approach** 09:45 - 09:45

Speaker: Kerstin Lenk (Graz, Austria)

*Scientific Symposia (S)*

09:45 - 11:15

HALL D

**S20 - Connecting Vision and Action Through the Superior Colliculus**

Chair: Andreas Kardamakis (San Juan de Alicante, Spain)

Chair: Florencia Iacaruso (London, United Kingdom)

**Collicular modules in action and cognition** 09:45 - 09:45

Speaker: Marco Tripodi (Cambridge, United Kingdom)

**Neurons in motion: modular organization of brainstem neurons for locomotor and orienting control** 09:45 - 09:45

Speaker: Julien Bouvier (Paris, France)

**The Superior Colliculus and Beyond: An evolutionary perspective on visual circuits for action** 09:45 - 09:45

Speaker: Sarah Ruedinger (London, United Kingdom)

**To look or not to look: Collicular circuits in visual search behavior** 09:45 - 09:45

Speaker: Andreas Kardamakis (San Juan de Alicante, Spain)

*Scientific Symposia (S)*

09:45 - 11:15

HALL E

**S21 - Mechanisms of neural circuit dysfunction in obsessive compulsive disorder**

Chair: Elizabeth Manning (Callaghan, Australia)

Chair: tara arbab (amsterdam, Netherlands)

**Astrocyte-neuron interactions regulate compulsive behavior** 09:45 - 09:45

Speaker: Baljit Khakh (Los Angeles, United States)

**Striatal activity patterns associated with distinct behavioural changes relevant to OCD** 09:45 - 09:45

Speaker: Elizabeth Manning (Callaghan, Australia)

**Electrophysiological correlates of compulsivity in rat cortico-striatal circuits** 09:45 - 09:45

Speaker: Ingo Willuhn (Amsterdam, Netherlands)

**Using the observing response task for mechanistic studies and drug discovery in OCD** 09:45 - 09:45

Speaker: Amy Milton (Cambridge, United Kingdom)

*Scientific Symposia (S)*

09:45 - 11:15

HALL F

**S22 - Synaptic and Circuit Mechanisms of Neurodevelopmental Disorders**

Chair: Anna Fejtova (91054, Germany)

**Role of SYNGAP in regulating the cellular and circuit development**

09:45 - 09:45

Speaker: Peter C. Kind (Edinburgh, United Kingdom)

**SYNGAP1 deficiency disrupts synaptic neoteny in xenotransplanted human cortical neurons**

09:45 - 09:45

Speaker: Ben Vermaercke (Leuven, Belgium)

**Autism gene variants disrupt enteric neuron migration and cause gastrointestinal dysmotility**

09:45 - 09:45

Speaker: Helen R. Willsey (San Francisco, United States)

**Development of Translatable Synapse/Circuit Phenotypes and First-in-Class Precision Therapeutics**

09:45 - 09:45

Speaker: Gavin Rumbaugh (Jupiter, United States)

*Scientific Symposia (S)*

09:45 - 11:15

HALL G

**S23 - Interneurons shape cortical population codes in dependence of experience**

Chair: Marlene Bartos (Freiburg, Germany)

**Neocortical SST neuron plasticity driven by stimulus-reward contingencies during learning**

09:45 - 09:45

Speaker: Alison Barth (Pittsburgh, United States)

**Top-down control of threat memory through neocortical layer 1**

09:45 - 09:45

Speaker: Johannes Letzkus (Freiburg, Germany)

**Experience-induced genomic mechanisms that control perception and learning**

09:45 - 09:45

Speaker: Ivo Spiegel (Rehovot, Israel)

**Functional maturation of Layer 1 inhibitory neurons in the visual and auditory cortex**

09:45 - 09:45

Speaker: Leena Ibrahim (Thuwal, Saudi Arabia)

*Scientific Symposia (S)*

09:45 - 11:15

HALL H

**S24 - Brain-Body Interactions in Health And Disease**

Chair: Jatin Nagpal (Cork, Ireland)

Chair: María Rodríguez Aburto (Cork, Ireland)

**From Nutrients to Neurons: Decoding How Brain-Body Interactions Guide Dietary Decisions**

09:45 - 09:45

Speaker: Carlos Ribeiro (Lisboa, Portugal)

**The role of early-life microbiota in neuro-glia-vascular development.**

09:45 - 09:45

Speaker: María Rodríguez Aburto (Cork, Ireland)

**Enrichment and exercise prevent stress-driven social and BBB changes via FGF2 signaling**

09:45 - 09:45

Speaker: Caroline Ménard (Quebec, Canada)

**Immuno-metabolic depression: from etiology to treatment**

09:45 - 09:45

Speaker: Brenda Penninx (Amsterdam, Netherlands)

*Sponsored Sessions (SS)*

12:00 - 13:00

HALL E

**Sponsored Session***Special Interest Events (SiE)*

12:00 - 13:00

HALL F

**From bed to bench to bed—animal research in neurosciences empowered by patient engagement***Special Interest Events (SiE)*

12:00 - 13:00

HALL G

**Reproducibility and Rigor in Scientific Publications: Tips from EJM Editors***Special Interest Events (SiE)*

12:00 - 13:00

HALL H

**Brain Health and Brain Capital: Shaping the Future of Neuroscience Research, Innovation, and Policy***Special Interest Events (SiE)*

12:00 - 13:00

ROUNDTABLE HALL

**ALBA-Hertie Foundation - Pathfinders workshop series: Redefining success in neuroscience***Special Lecture (SL)*

13:30 - 14:30

HALL A

**SL04 - Host Society Special Lecture, Isabel Fariñas (ES)****Regulation of neural stem cell quiescence in the adult brain**

13:30 - 14:25

Speaker: Isabel Fariñas (Burjassot, Spain)

*Special Lecture (SL)*

13:30 - 14:30

HALL B

**SL05 - Boehringer Ingelheim / FENS Research Award Lecture***Poster Sessions with authors in attendance*

14:00 - 17:30

POSTER AREA

**PS04 - Poster session 04 (Poster authors in attendance: 14:00 - 15:30)***Scientific Symposia (S)*

15:40 - 17:10

HALL A

**S25 - Decoding neural circuit dynamics through next-generation biosensors**

Chair: Yulong Li (Beijing, China)

**Design and optimize genetically-encoded neuropeptide sensors by harnessing GPCR regulation mechanism**

15:40 - 15:40

Speaker: Yulong Li (Beijing, China)

**Spatiotemporal dynamics of neuropeptide signaling in the *C. elegans* nervous system**

15:40 - 15:40

Speaker: Isabel Beets (Leuven, Belgium)

**Using genetically encoded DA sensors to delineate addiction vulnerability**

15:40 - 15:40

Speaker: Christian Lüscher (Genève, Switzerland)

**Data-driven approaches towards developing and improving biosensors for neuronal activity**

15:40 - 15:40

Speaker: Alison Tebo (Ashburn, Virginia, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL B

**S26 - Mitochondria as central regulators of brain and behavior: From multiple cell types to circuits**

Chair: Carmen Sandi (Lausanne, Switzerland)

Chair: Juan P. Bolaños (Salamanca, Spain)

**Mitochondrial quality control and neuroprotection** 15:40 - 15:40

Speaker: Patricia Boya (Fribourg, Switzerland)

**Beyond energy: Astrocytic mitochondria as signals for behavior** 15:40 - 15:40

Speaker: Juan P. Bolaños (Salamanca, Spain)

**Cannabinoids and mitochondria: linking brain metabolism and signaling to determine behavior** 15:40 - 15:40

Speaker: Giovanni Marsicano (Bordeaux, France)

**Mitochondrial brain signatures in reward and motivation** 15:40 - 15:40

Speaker: Mary Kay Lobo (Baltimore, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL C

**S27 - How microglia affect neuronal networks relevant for behavior in the normal and diseased brain**

Chair: Martin Fuhrmann (Bonn, Germany)

**Monocyte-derived microglia - a liability or fountain of youth?** 15:40 - 15:40

Speaker: Steffen Jung (Rehovot, Israel)

**Noradrenergic modulation of microglial function in health and disease** 15:40 - 15:40

Speaker: Ania K. Majewska (Rochester, United States)

**Mechanisms of bi-directional microglia neuron communication in the hippocampus** 15:40 - 15:40

Speaker: Martin Fuhrmann (Bonn, Germany)

**The regenerative properties of microglial phagocytosis in the neurogenic niche** 15:40 - 15:40

Speaker: Amanda Sierra (Leioa, Spain)

*Scientific Symposia (S)*

15:40 - 17:10

HALL D

**S28 - Flexible Memory Systems: Adaptive and Maladaptive Pathways**

Chair: Johannes Felsenberg (Basel, Switzerland)

**Amygdala-striatal control of actions and habits** 15:40 - 15:40

Speaker: Kate Wassum (Los Angeles, United States)

**Orbitofrontal modulation of retrospective and prospective fear propagation** 15:40 - 15:40

Speaker: Mihaela Iordanova (Montreal, Canada)

**Malaise learning reveals consolidation to be a time for memory updating** 15:40 - 15:40

Speaker: Scott Waddell (Oxford, United Kingdom)

**Dopaminergic circuits mediating avoidance learning and compulsive reward seeking** 15:40 - 15:40

Speaker: Talia Lerner (Chicago, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL E

**S29 - Untangling the human brain: characterising the properties of human cells, synapses and circuits**

Chair: Jake F Watson (Klosterneuburg, Austria)

**Cell-type diversity across the human brain** 15:40 - 15:40

Speaker: Kimberly Siletti (Utrecht, Netherlands)

**Dendrites in human cortex and hippocampus: the link between form and function** 15:40 - 15:40

Speaker: Christiaan P J de Kock (Amsterdam, Netherlands)

**Exploring the arrangement of human hippocampal microcircuits** 15:40 - 15:40

Speaker: Jake F Watson (Klosterneuburg, Austria)

**Searching for human hippocampal sharp-wave ripples in a sea of interictal spikes on stereo-EEG** 15:40 - 15:40

Speaker: Anna Maslarova (New York, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL F

**S30 - Is gene therapy becoming a real option for drug-resistant epilepsy?**

Chair: Michele Simonato (Ferrara, Italy)

**Gene therapy strategies increasing inhibitory neurotransmission** 15:40 - 15:40

Speaker: Michele Simonato (Ferrara, Italy)

**Gene therapy strategies inhibiting excitatory neurotransmission** 15:40 - 15:40

Speaker: Valerie Crepel (Marseille, France)

**On-demand Gene Therapy for circuit disorders** 15:40 - 15:40

Speaker: Gabriele Lignani (London, United Kingdom)

**Gene Therapy Targeting the Sodium Channelopathy in Dravet Syndrome** 15:40 - 15:40

Speaker: Moran Rubinstein (Tel Aviv, Israel)

*Scientific Symposia (S)*

15:40 - 17:10

HALL G

**S31 - Neuroendocrine Plasticity in the Female Brain Across Physiological States**

Chair: Roberta Haddad-Tovolli (Barcelona, Spain)

Chair: Marc Claret (Barcelona, Spain)

**Dynamic Modulation of Feeding Circuits Across Female Reproductive States** 15:40 - 15:40

Speaker: Roberta Haddad-Tovolli (Barcelona, Spain)

**Neurovascular plasticity during pregnancy shapes maternal behaviors** 15:40 - 15:40

Speaker: Nicolas Renier (Paris, France)

**Sensory-hormonal coupling in the postpartum brain** 15:40 - 15:40

Speaker: Silvana Valtcheva (Cologne, Germany)

**Well Aging and the Tanycytic Control of Female Brain Health** 15:40 - 15:40

Speaker: Vincent Prevot (Lille, France)

*Scientific Symposia (S)*

15:40 - 17:10

HALL H

**S32 - Breathing as a dynamic scaffold of learning, emotion, and neural dynamics**

Chair: Nikolas Karalis (Paris, France)

**Causal investigation of breathing as an interoceptive scaffold of** 15:40 - 15:40

<b>neural dynamics</b>	
Speaker: Nikolas Karalis (Paris, France)	
<b>Global coordination of brain activity by the breathing cycle</b>	15:40 - 15:40
Speaker: Adriano Tort (Natal - RN, Brazil)	
<b>Cardiorespiratory rhythm-contingent classical conditioning</b>	15:40 - 15:40
Speaker: Miriam Nokia (Jyväskylä, Finland)	
<b>Different breathing frequencies entrain the brain in the face of threat: from defense to recovery</b>	15:40 - 15:40
Speaker: Sophie Bagur (Paris, France)	
<i>Award Ceremony (AC)</i>	
17:20 - 17:30	HALL A
<b>ALBA-Roche Prize for Excellence in Neuroscience Research Ceremony</b>	
<i>Plenary Lecture (PL)</i>	
17:30 - 18:30	HALL A
<b>PL05 - Presidential Plenary Lecture, Gilles Laurent (DE)</b>	
<b>Introduction</b>	17:30 - 17:35
<b>Neural circuit designs, dynamics and evolution</b>	17:35 - 18:30
Speaker: Gilles Laurent (Frankfurt, Germany)	
<i>Sponsored Sessions (SS)</i>	
18:45 - 20:15	HALL D
<b>Sponsored Session</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL E
<b>Neuroscience is Global: The Who, Where, and How of Neuroscience Teaching</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL F
<b>German Neuroscience Society - General Assembly</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL G
<b>Social of the global stress and resilience community</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL H
<b>Shaping your path: finding the right mentors (for you)</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	ROUNDTABLE HALL
<b>Communicating Neuroscience through Art</b>	

Thursday, July 9, 2026

*Plenary Lecture (PL)*

08:30 - 09:30

HALL A

**PL06 - Plenary Lecture, Kenneth Harris (UK)****Introduction**

08:30 - 08:35

**Large scale cortical population codes**

08:35 - 09:30

Speaker: Kenneth Harris (London, United Kingdom)

*Poster Sessions with authors in attendance*

09:30 - 13:00

POSTER AREA

**PS05 - Poster session 05 (Poster authors in attendance: 11:30 - 13:00)***Scientific Symposia (S)*

09:45 - 11:15

HALL A

**S33 - Astrocyte integration in brain circuit functions**

Chair: GERTRUDIS PEREA (MADRID, Spain)

Chair: Alexandre Charlet (Strasbourg, France)

**Noncanonical substrates of computation**

09:45 - 09:45

Speaker: Misha Ahrens (Ashburn, VA, United States)

**Astrocytes Promote Social Bonding**

09:45 - 09:45

Speaker: GERTRUDIS PEREA (MADRID, Spain)

**Astrocytic oxytocin receptor as driver of behavioral stress response**

09:45 - 09:45

Speaker: Alexandre Charlet (Strasbourg, France)

**Catching Astrocytic Ensembles: Unveiling the Power of Astrocyte Networks in Learning and Motivation**

09:45 - 09:45

Speaker: Marta Navarrete (Madrid, Spain)

*Scientific Symposia (S)*

09:45 - 11:15

HALL B

**S34 - All-Optical Voltage Imaging for Neuronal Circuit Dissection**

Chair: Janos Fuzik (Stockholm, Sweden)

Chair: Ahmed Abdelfattah (Providence, United States)

**Novel genetically encoded voltage sensors for single and multiphoton imaging of neuronal activity**

09:45 - 09:45

Speaker: Ahmed Abdelfattah (Providence, United States)

**Multicolor photocontrol of neuronal ion fluxes**

09:45 - 09:45

Speaker: Johannes Vierock (Berlin, Germany)

**Imaging voltage across scales**

09:45 - 09:45

Speaker: Adam E. Cohen (Cambridge, United States)

**Scanless Two-Photon in vivo Voltage Imaging**

09:45 - 09:45

Speaker: Valentina Emiliani (Paris, France)

*Scientific Symposia (S)*

09:45 - 11:15

HALL C

**S35 - The brain in context: flexible neuronal processing across behaviors and states**

Chair: Ainiah Masood (London, United Kingdom)

Chair: Shuting Han (Zurich, Switzerland)

<b>Context-invariant beliefs link to dynamic prefrontal cortex functional connectivity reconfiguration</b>	09:45 - 09:45
Speaker: Jean-Paul Noel (Minneapolis, United States)	
<b>Learning with internal states and internal models</b>	09:45 - 09:45
Speaker: Sami El-Boustani (Geneva, Switzerland)	
<b>Population codes for context-dependent decision making</b>	09:45 - 09:45
Speaker: Stefano Panzeri (Hamburg, Germany)	
<b>Internal state modulation of visual cortex: energy use and coding precision during food scarcity</b>	09:45 - 09:45
Speaker: Nathalie Rochefort (Edinburgh, United Kingdom)	
<i>Scientific Symposia (S)</i>	
09:45 - 11:15	HALL D
<b>S36 - Beyond episodic memory: engrams for feelings and facts</b>	
Chair: Lisa Genzel (Nijmegen, Netherlands)	
<b>Cold memories control whole-body thermoregulatory responses</b>	09:45 - 09:45
Speaker: Tomas Ryan (Dublin, Ireland)	
<b>Painful Interactions between engrams of fear memory and pain</b>	09:45 - 09:45
Speaker: Rohini Kuner (Heidelberg, Germany)	
<b>Beyond slow learning: fast and adaptive role of the cortex in semantic memory processing</b>	09:45 - 09:45
Speaker: Anumita Samanta (Nijmegen, Netherlands)	
<b>Social memory representation in the hippocampus</b>	09:45 - 09:45
Speaker: Teruhiro Okuyama (Tokyo, Japan)	
<i>Scientific Symposia (S)</i>	
09:45 - 11:15	HALL E
<b>S37 - Separated yet co-dependent: axon-dendrite interactions in neuronal function, development and disease</b>	
Chair: Matthew Grubb (London, United Kingdom)	
<b>The axon on a dendrite - a morphological feature driving network function?</b>	09:45 - 09:45
Speaker: Maren Engelhardt (Linz, Austria)	
<b>Respective roles of axon initial segment and dendrites in midbrain dopaminergic neuron excitability</b>	09:45 - 09:45
Speaker: Jean-Marc Goillard (Marseille, France)	
<b>Co-ordination of axonal and dendritic development in mitral cells of the olfactory bulb</b>	09:45 - 09:45
Speaker: Matthew Grubb (London, United Kingdom)	
<b>Neuronal revival - the insulin pathway to dendritic and synaptic regeneration after axonal injury</b>	09:45 - 09:45
Speaker: Adriana Di Polo (Montreal, Canada)	
<i>Scientific Symposia (S)</i>	
09:45 - 11:15	HALL F
<b>S38 - The Untold story of Neuroscience education and research in Africa</b>	
Chair: Lihle Qulu_Appiah (Cape Town, South Africa)	
<b>Key Decisions and Leadership Behind the Birth of Neuroscience Collaboration in Africa</b>	09:45 - 09:45
Speaker: Sooraj Baijnath (Johannesburg, South Africa)	

<b>"The Transformative Power of Education in Shaping Neuroscience in Africa"</b>	09:45 - 09:45
Speaker: Sharon Juliano (Bethesda, United States)	
<b>"Two Decades of Advancements: The Evolving Landscape of Neuroscience Research in Africa"</b>	09:45 - 09:45
Speaker: Amadi Ihunwo (Johannesburg, South Africa)	
<b>My African journey on Teaching &amp; Mentorship"</b>	09:45 - 09:45
Speaker: Martha Davila Garcia (Washington DC, United States)	

*Scientific Symposia (S)*

09:45 - 11:15

HALL G

**S39 - Hypothalamic Neural Circuits Controlling Metabolism: From Central Mechanisms to Peripheral Impact**

Chair: Nathalie Krauth (København N, Denmark)

Chair: Elijah D. Lowenstien (Boston, United States)

<b>The circadian control of hunger</b>	09:45 - 09:45
Speaker: Amelia M. Douglass (Klosterneuburg, Austria)	
<b>A hypothalamic circuit for food odor perception</b>	09:45 - 09:45
Speaker: Sophie M. Steculorum (Köln, Germany)	
<b>Multifaceted mitochondria in hypothalamic neurons</b>	09:45 - 09:45
Speaker: Marc Claret (Barcelona, Spain)	
<b>The Flexible Brain: Hypothalamic Plasticity in Therapeutics and Exercise</b>	09:45 - 09:45
Speaker: Kevin W. Williams (Dallas, Texas, United States)	

*Scientific Symposia (S)*

09:45 - 11:15

HALL H

**S40 - Dopamine Circuits in Negative Valence and Anxiety**

Chair: Miriam Melis (Monserrato, Italy)

<b>A pallido-midbrain endocannabinoid circuit for the attribution of threat salience</b>	09:45 - 09:45
Speaker: Miguel Á. Luján (Chicago, United States)	
<b>The role of dopaminergic signaling in the basolateral amygdala in anxiety-related behaviors</b>	09:45 - 09:45
Speaker: Alba Garcia-Baos (Bordeaux, France)	
<b>Dopamine transmission in the anterior insula shapes the neural coding of anxiety</b>	09:45 - 09:45
Speaker: Yoni Couderc (Bordeaux, France)	
<b>Dysregulation of sensory processing upon developmental perturbation of endocannabinoid signaling</b>	09:45 - 09:45
Speaker: Miriam Melis (Monserrato, Italy)	

*Sponsored Sessions (SS)*

12:00 - 13:00

HALL E

**Sponsored Session***Special Interest Events (SiE)*

12:00 - 13:00

HALL F

**Brain Health and Intersubjectivity: The Brain Film Fest**

*Special Interest Events (SiE)*

12:00 - 13:00

HALL G

**You Belong: A Conversation on Imposterism for and by Neuroscientists***Special Interest Events (SiE)*

12:00 - 13:00

HALL H

**Opportunities for Neuroscientists in the European Partnership for Brain Health: Advancing European Brain Health Research***Special Interest Events (SiE)*

12:00 - 13:00

ROUNDTABLE HALL

**Communicating Science Through Scientific Figures: From Data to Insight***Special Lecture (SL)*

13:30 - 14:30

HALL A

**SL06 - Eric Kandel Prize Lecture & Scientific Award Ceremony, Johannes Kohl (UK)****Plasticity of the parental brain**

13:30 - 13:30

Speaker: Johannes Kohl (London, United Kingdom)

*Special Lecture (SL)*

13:30 - 14:30

HALL B

**SL07 - Chica and Heinz Schaller Foundation Award Lecture, Carmen Sandi (CH)****Mitochondria and Brain Function: From Mechanisms to Interventions in Mental Health**

13:30 - 13:30

Speaker: Carmen Sandi (Lausanne, Switzerland)

*Poster Sessions with authors in attendance*

14:00 - 17:30

POSTER AREA

**PS06 - Poster session 06 (Poster authors in attendance: 14:00 - 15:30)***Scientific Symposia (S)*

15:40 - 17:10

HALL A

**S41 - Studying the neural circuits dynamics underlying the adapting of complex behaviors**

Chair: Oded Klavir (Haifa, Israel)

**Neural circuits of fear memory driven actions.**

15:40 - 15:40

Speaker: Oded Klavir (Haifa, Israel)

**Contribution of insular cortex neural circuits to early life and adult stress-induced anxiety.**

15:40 - 15:40

Speaker: Anna Beyeler (Bordeaux, France)

**Unraveling the Role of Noradrenergic Circuits in the Prefrontal Cortex in Social Cognition.**

15:40 - 15:40

Speaker: Francesco Papaleo (Genova, Italy)

**How motivational brain circuits shape social behavior in mice.**

15:40 - 15:40

Speaker: Ewelina Knapska (Warsaw, Poland)

*Scientific Symposia (S)*

15:40 - 17:10

HALL B

**S42 - Neuroprostheses for the restoration of sensory and motor functions in humans**

Chair: Giacomo Valle (Gothenburg, Sweden)

**Restoring touch through a brain interface: intracortical microstimulation of human S1**

15:40 - 15:40

Speaker: Giacomo Valle (Gothenburg, Sweden)

**New approaches for a visual brain prosthesis for blind people** 15:40 - 15:40

Speaker: Pieter Roelfsema (Amsterdam, Netherlands)

**Neural interfaces for bioelectronic applications** 15:40 - 15:40

Speaker: Maria Asplund (Gothenburg, Sweden)

**Cortical hand movement prosthetics** 15:40 - 15:40

Speaker: Hans Scherberger (Göttingen, Germany)

*Scientific Symposia (S)*

15:40 - 17:10

HALL C

**S43 - Plasticity and Fluid Cell Identity of Cortical Interneuron**

Chair: Lynette Lim (Leuven, Belgium)

Chair: Giordano Lippi (La Jolla, United States)

**MicroRNA Mechanisms of Interneuron Migration and Specification** 15:40 - 15:40

Speaker: Giordano Lippi (La Jolla, United States)

**Novel Mechanisms of Interneuron Recruitment into Cortical and Hippocampal Neuronal Circuits** 15:40 - 15:40

Speaker: Carla Gomes da Silva (Utrecht, Netherlands)

**Assembly of Cortical Interneurons in a Dynamic Circuit** 15:40 - 15:40

Speaker: Beatriz Rico (London, United Kingdom)

**Fate Plasticity in Cortical Interneurons: From Specification to Reprogramming** 15:40 - 15:40

Speaker: Mohammed Mostajo-Radji (Santa Cruz, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL D

**S44 - 'Computational astroscience': brain computations beyond neurons**

Chair: Inbal Goshen (Jerusalem, Israel)

**Complementary encoding of spatial information in hippocampal astrocytes** 15:40 - 15:40

Speaker: Tommaso Fellin (Genova, Italy)

**Linking astrocyte structure to function: insights from computational approaches** 15:40 - 15:40

Speaker: Audrey Denizot (Villeurbanne, France)

**High-Performance Neuron-Astrocyte Models: Associative Memory, Transformers, and Embodied Agents** 15:40 - 15:40

Speaker: Leo Kozachkov (Providence, United States)

**Dissecting the role of astrocytes in brain circuits and behavior** 15:40 - 15:40

Speaker: Thomas Papouin (St Louis, United States)

*Scientific Symposia (S)*

15:40 - 17:10

HALL E

**S45 - Presynaptic Mechanisms Controlling Neural Circuits**

Chair: Pablo Castillo (Bronx, United States)

Chair: Coralie Berthouix (Montpellier, France)

**Ultrastructural plasticity of neurons** 15:40 - 15:40

Speaker: Shigeki Watanabe (Baltimore, United States)

**Visual experience regulates presynaptic function at thalamocortical synapses in adult visual cortex** 15:40 - 15:40

Speaker: Elizabeth M Quinlan (Madison, United States)

<b>Nanoscale Synaptic Remodeling in Homeostatic Plasticity</b>	15:40 - 15:40
Speaker: Martin Müller (Zurich, Switzerland)	
<b>Unconventional mechanisms underlying presynaptic plasticity</b>	15:40 - 15:40
Speaker: Coralie Berthoux (Montpellier, France)	

*Scientific Symposia (S)*  
15:40 - 17:10

HALL F

**S46 - Unravelling Neurobiological Mechanisms underlying Eating Disorders using Preclinical Models**

Chair: Odile VILTART (Villeneuve d'Ascq, France)

Chair: Fernando FERNANDEZ-ARANDA (Hospitalet del Llobregat (Barcelona), Spain)

<b>Role of the ghrelin/LEAP-2 balance on feeding and reward-oriented behaviors in anorexia nervosa</b>	15:40 - 15:40
Speaker: Virginie TOLLE (Paris, France)	
<b>Effect of Glp-1 receptor activation on food choice and eating behaviour</b>	15:40 - 15:40
Speaker: Lora Heisler (Aberdeen, United Kingdom)	
<b>Targeting the orexigenic system in animal models of eating disorders</b>	15:40 - 15:40
Speaker: Suzanne L DICKSON (Göteborg, Sweden)	
<b>Chemogenetic manipulation of neuronal ensembles in an anorexia nervosa mouse model</b>	15:40 - 15:40
Speaker: Roger ADAN (Utrecht, Netherlands)	

*Scientific Symposia (S)*  
15:40 - 17:10

HALL G

**S47 - Neural Networks of Memory Integration: Beyond classical Associations**

Chair: Paula Gómez-Sotres (Barcelona, Spain)

<b>Brain representations of focal and peripheral attention in rats</b>	15:40 - 15:40
Speaker: Nathan Holmes (Sydney, Australia)	
<b>Endocannabinoid modulation of neural networks underlying incidental association memory</b>	15:40 - 15:40
Speaker: Marta Barrera-Conde (Bordeaux, France)	
<b>Social transmission of stress from conspecifics alters memory in male mice</b>	15:40 - 15:40
Speaker: Paula Gómez-Sotres (Barcelona, Spain)	
<b>Higher order interactions between neurons during memory retrieval in mice</b>	15:40 - 15:40
Speaker: Sheena Josselyn (Toronto, Canada)	

*Scientific Symposia (S)*  
15:40 - 17:10

HALL H

**S48 - Glia as a Key to Brain Metabolic Flexibility in Health and Disease**

Chair: Carlos Matute (Leioa, Spain)

<b>Metabolic flexibility of Drosophila glial cells</b>	15:40 - 15:40
Speaker: Stefanie Schirmeier (Dresden, Germany)	
<b>Metabolic control of microglia in health and disease</b>	15:40 - 15:40
Speaker: Rosa Chiara Paolicelli (Lausanne, Switzerland)	
<b>Oligodendrocytes in brain energy metabolism and neurodegenerative disease</b>	15:40 - 15:40
Speaker: Klaus-Armin Nave (Göttingen, Germany)	

<b>Brain myelin as an energy source and reservoir</b>	15:40 - 15:40
Speaker: Carlos Matute (Leioa, Spain)	
<i>Award Ceremony (AC)</i>	
17:20 - 17:30	HALL A
<b>FKNE Mentoring and FKNE PhD Thesis Prizes Ceremony</b>	
<i>Plenary Lecture (PL)</i>	
17:30 - 18:30	HALL A
<b>PL07 - Plenary Lecture, Holly Ingraham (US)</b>	
<b>Introduction</b>	17:30 - 17:35
<b>Adaptive Responses in the Female Brain and Why They Matter for Women's Health</b>	17:35 - 18:30
Speaker: Holly Ingraham (San Francisco, United States)	
<i>Sponsored Sessions (SS)</i>	
18:45 - 20:15	HALL D
<b>Sponsored Session</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL E
<b>Japan-Euro Neuroscience Soirée</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL F
<b>"SPEED-NEURODATING" A workshop aimed at the students to meet young and consolidated Neuroscientists</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	HALL H
<b>Human Space Exploration - launch your research into Space</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	ROUNDTABLE HALL
<b>Effective Allyship as an Essential Strategy for Professional Career Development</b>	
<i>Networking Events (NE)</i>	
18:45 - 20:15	OTHER SITES (Various locations)
<b>Tracing the legacy of Santiago Ramón y Cajal in Barcelona</b>	

Friday, July 10, 2026

*Plenary Lecture (PL)*

08:30 - 09:30

HALL A

**PL08 - Plenary Lecture, Gonçalo Castelo-Branco (SE)****Introduction**

08:30 - 08:35

**Single-Cell and Spatial Transcriptomics and Epigenomics in Neural Development and in Multiple Sclerosis**

08:35 - 09:30

Speaker: Gonçalo Castelo-Branco (Stockholm, Sweden)

*Poster Sessions with authors in attendance*

09:30 - 13:00

POSTER AREA

**PS07 - Poster session 07 (Poster authors in attendance: 11:30 - 13:00)***Scientific Symposia (S)*

09:45 - 11:15

HALL A

**S49 - Bridging animal models and humans in brain-body research**

Chair: Yoav Livneh (Rehovot, Israel)

**Interception of cerebrospinal fluid contributes to postural control, morphogenesis and host defense**

09:45 - 09:45

Speaker: Claire Wyart (Paris, France)

**Joint modulation of attention, brain fluid dynamics, and bodily physiology across behavioral states**

09:45 - 09:45

Speaker: Laura Lewis (Cambridge, United States)

**Brain-body interactions: sensations and predictions in the insular cortex**

09:45 - 09:45

Speaker: Yoav Livneh (Rehovot, Israel)

**Improving brain-body interactions in depression with non-invasive vagus nerve stimulation**

09:45 - 09:45

Speaker: Nils Kroemer (Bonn, Germany)

*Scientific Symposia (S)*

09:45 - 11:15

HALL B

**S50 - The role of inhibition in memory processes**

Chair: Jiannis Taxidis (Toronto, Canada)

**Inhibitory control of hippocampal sharp-wave ripple duration**

09:45 - 09:45

Speaker: Tristan Geiller (New Haven, United States)

**Dendrite-targeting interneurons form experience-dependent CA1 representations**

09:45 - 09:45

Speaker: Christine Grienberger (Waltham, United States)

**The role of inhibition in shaping memory-encoding hippocampal sequences**

09:45 - 09:45

Speaker: Jiannis Taxidis (Toronto, Canada)

**Interneuron contribution to hippocampal sequences for memory and planning**

09:45 - 09:45

Speaker: Antonio Fernandez Ruiz (Ithaca, United States)

*Scientific Symposia (S)*

09:45 - 11:15

HALL C

**S51 - Robustness and flexibility of natural motor behaviors: from biomechanics to neural commands**

Chair: Vanessa Stempel (Frankfurt, Germany)

Chair: Graziana Gatto (Cologne, Germany)

**Flexible and robust neuromuscular code of mouse locomotion** 09:45 - 09:45

Speaker: Graziana Gatto (Cologne, Germany)

**Flexible neuromuscular control of learned and innate behaviors in the songbird** 09:45 - 09:45

Speaker: Samuel Sober (Atlanta, United States)

**Learned object manipulation in the fly** 09:45 - 09:45

Speaker: Pavan Ramdya (Lausanne, Switzerland)

**Brainstem building blocks to generate complex forelimb behaviors** 09:45 - 09:45

Speaker: Haohao Wu (Basel, Switzerland)

*Scientific Symposia (S)*

09:45 - 11:15

HALL D

**S52 - Regulation of circuit function and cognition by oligodendroglia**

Chair: Wendy Xin (San Francisco, United States)

Chair: Tim Czopka (Edinburgh, United Kingdom)

**How selective functional circuits are sculpted by oligodendrocyte precursor cells** 09:45 - 09:45

Speaker: Tim Czopka (Edinburgh, United Kingdom)

**Oligodendrocytes and myelin shape cortical maturation and experience-dependent neuronal plasticity** 09:45 - 09:45

Speaker: Wendy Xin (San Francisco, United States)

**Myelination & Demyelination of Interneurons Shape Cortical Circuitry, Network Dynamics, and Behavior** 09:45 - 09:45

Speaker: Maria Cecilia Angulo (Paris, France)

**Sleep is a common driver for pathological electrical discharges in demyelinating circuits** 09:45 - 09:45

Speaker: Mohit Dubey (Amsterdam, Netherlands)

*Scientific Symposia (S)*

09:45 - 11:15

HALL E

**S53 - Astroglial and Vascular Mechanisms of Metabolic Adaptations to Hypoxia**

Chair: Isabel Christie (Sheffield, United Kingdom)

**Astrocytes are essential for gas homeostasis but are they necessary for cerebral perfusion?** 09:45 - 09:45

Speaker: Isabel Christie (Sheffield, United Kingdom)

**Real-time oxygen imaging reveals spontaneous cortical hypoxic pockets in the healthy brain** 09:45 - 09:45

Speaker: Felix Beinlich (København N, Denmark)

**Varying Oxygen Availability in the Brain and its Impact on Function** 09:45 - 09:45

Speaker: Catherine Hall (Brighton, United Kingdom)

**Reversing the pericyte-mediated fall of cerebral blood flow and capillary stalling that occurs in AD** 09:45 - 09:45

Speaker: Nils Korte (Boston, United States)

*Scientific Symposia (S)*

09:45 - 11:15

HALL F

**S54 - The role of neuronal synchronization during sleep**

Chair: Celia Kjærby (Copenhagen, Denmark)

Chair: Klaudia Tokarska (Copenhagen, Denmark)

**NREM sleep partitioning by monoaminergic modulation and its regulation by vagal sensory activity** 09:45 - 09:45

Speaker: Anita Lüthi (Lausanne, Switzerland)

**Brainstem dynamics regulating REM sleep** 09:45 - 09:45

Speaker: Franz Weber (Philadelphia, United States)

**State-dependent memory processes during sleep** 09:45 - 09:45

Speaker: Azahara Oliva (Ithaca, United States)

**Insights from Human Deep Brain Recordings into the Role of Neuronal Synchronization During Sleep** 09:45 - 09:45

Speaker: Tobias Staudigl (Munich, Germany)

*Scientific Symposia (S)*

09:45 - 11:15

HALL G

**S55 - Latent representations for smart decisions**

Chair: Dileep George (Mountain View, United States)

Chair: Tristan Stöber (Göttingen, Germany)

**De novo motor learning creates structure in neural activity space that shapes adaptation** 09:45 - 09:45

Speaker: Claudia Clopath (London, United Kingdom)

**Space is a latent sequence: A theory of the hippocampus** 09:45 - 09:45

Speaker: Dileep George (Mountain View, United States)

**Learning latent representations for goal-directed spatial navigation and planning** 09:45 - 09:45

Speaker: Giovanni Pezzulo (Rome, Italy)

**A cellular basis for mapping behavioural structure** 09:45 - 09:45

Speaker: Mohamady El-Gaby (Oxford, United Kingdom)

*Scientific Symposia (S)*

09:45 - 11:15

HALL H

**S56 - Photopharmacology for precision modulation of neural signalling**

Chair: Galyna Maleeva (Barcelona, Spain)

Chair: Carlo Matera (Milan, Italy)

**In vivo photopharmacology with photocaged drugs and neuropeptides** 09:45 - 09:45

Speaker: Matthew R. Banghart (La Jolla, California, United States)

**Optical control of specific NMDA receptor populations** 09:45 - 09:45

Speaker: Laetitia Mony (Paris, France)

**Photopharmacology reveals the molecular mechanisms of memory persistence** 09:45 - 09:45

Speaker: Miquel Bosch (Sant Cugat del Vallès, Spain)

**Light-responsive azobenzenes for modulating membrane capacitance and reinstating visual responses** 09:45 - 09:45

Speaker: Chiara Bertarelli (Milan, Italy)

*Special Lecture (SL)*

11:30 - 12:30

HALL A

**SL08 - EJN Special Feature Lecture, Felix Leroy (ES)****Neuronal circuits regulating social preferences**

11:30 - 11:30

Speaker: Felix Leroy (San Juan de Alicante, Spain)

*Special Lecture (SL)*

11:30 - 12:30

HALL B

**SL09 - ERA-NET NEURON/Excellent Paper in Neuroscience Award Lecture, Linbi Cai (CH)****A nasal chemosensation-dependent critical window for somatosensory development**

11:30 - 11:30

Speaker: Linbi Cai (Zurich, Switzerland)

*Special Lecture (SL)*

11:30 - 12:30

HALL C

**SL10 - ALBA-Elsevier Award Lecture on Brain Sciences, Valeria Della-Maggiore (AR), Éva Mikics (HU)****Leveraging the multiple timescales of motor learning to optimize training and rehabilitation**

11:30 - 11:55

Speaker: Valeria Della-Maggiore (Villa Chacabuco, Argentina)

**Neural Network Signatures of Susceptibility to Fear Dysregulation Following Traumatic Stress**

11:55 - 11:55

Speaker: Éva Mikics (Budapest, Hungary)

*Award Ceremony (AC)*

12:50 - 13:00

HALL A

**ALBA-FKNE Diversity Prize 2026 Ceremony***Plenary Lecture (PL)*

13:00 - 14:00

HALL A

**PL09 - Hertie Foundation Closing Lecture, Edward Chang (US)****Introduction**

13:00 - 13:05

**The Neural Code for Words**

13:05 - 14:00

Speaker: Edward Chang (San Francisco, United States)