Glial Cell Club

28th Meeting of the French Glial Cell Club

November 17-20, 2026
Domaine du Lazaret, Sète, France

Tuesday, November 17th

13.00-15.30 Registration and luggage storage

15.30-15.45 **Welcome introduction**

Technical Workshop

Short talks from sponsors

16.00-16.20 **Christophe Latrille,** Quantacell
From Images to Quantitative Insights: AI-Powered Analysis of Glial Responses to Glioblastoma

16.20-16.40 **Ludovic Arnold,** Bio-Techne Spatial
Expand your multiomic capabilities with RNAscope™ & COMET™ in neuroscience research

Short talk from junior researchers

16.40-16.55 **Melissa Abbaci,** IGF (Montpellier, France)
A knock-in IL-1β biosensor reveals the spatiotemporal and single-cell dynamics of endogenous IL-1β expression

16.55-17.10 **Corentin Bernou,** IGF (Montpellier, France)
Evidence for human spinal cord stem cell activation and recruitment in experimental lesion of adult postmortem organotypic explants.

17.10-17.30 *Short break*

17.30-18.30 **Plenary lecture I**
Chairs: Carole Escartin & Morgane Thion

Fiona Doetsch, University of Basel (Basel, Switzerland)
Regulation and Heterogeneity of Adult Neural Stem Cells

18.30 Break-Participant installation

19.00 Welcome Drinks

19.30 *Dinner*

20.30-21.15 **Communicating Science on Social Networks: Why, How, and for Whom?**
Armelle Rancillac, CIRB Paris – Co-organiser of the French Brain Awareness Week

21.15 **Networking evening**

Wednesday, November 18th

Symposium I: Human glia: from development to disease

Chairs: Elena Dossi & Daria Mozheiko

9.00-9.25	**Elena Dossi**, Center for Interdisciplinary Research in Biology (Paris, France) *Human astrocytes: reshaping epileptic networks?*
9.25-9.50	**Steven Sloan,** Netherlands Institute for Neuroscience (Amsterdam, Netherlands) *Organoid-based approaches to investigate human glial development and function*
9.50-10.15	**Renzo Mancuso**, VIB Center for Molecular Neurology (Antwerp, Belgium) *Lysosomal failure triggers microglial degeneration and exacerbates neuropathology*
10.15-10.30	**Short talk from junior researchers** **Lolie Garcia,** NeuroBicêtre (Kremlin-Bicêtre, France) *Pharmacological modulation of microglia via CSF1R inhibition in Alzheimer's disease Mouse lemur model*
10.30-11.00	*Coffee Break*

Symposium II: Computational Glioscience: recent advances in astrocyte modeling

Chairs: Audrey Denizot & Kerstin Lenk

11.00-11.25	**Marie Rognes,** Simula Research Laboratory (Oslo, Norway) *Exciting times: high-fidelity modelling of astrocyte multiphysics*
11.25-11.50	**Kerstin Lenk,** Graz University of Technology (Graz, Austria) *Modeling sex differences in astrocyte function: a computational approach*
11.50-12.15	**Leonid Savtchenko**, University College London (London, UK) *Modelling cell-cell communication at nano-scale resolution with BrainCell*
12.15-12.30	**Short talk from junior researchers** **Salomé Papereux,** AIstroSight, Inria (Villeurbanne, France) *Neural networks for the segmentation of astrocytic endfeet in 2D electron microscopy images*
12.30	*Lunch*
14.00-15.30	Poster session I (even numbers)
15.30-18.00	**Networking afternoon – Pétanque tournament**
19.30	*Dinner*
20.30	Free evening

Thursday, November 19th

Symposium III: Bridge Builders: Astrocytes at the Interface of Brain and Blood

Chairs: Anne-Cécile Boulay & Anusha Mishra

9.00-9.25 **Anne-Cécile Boulay,** Center for Interdisciplinary Research in Biology (Paris, France)
Perivascular phagocytosis by astrocytes limits blood leakage and shapes vascular development in a murine model

9.25-9.50 **Anusha Mishra,** Oregon Health & Science University (Portland, USA)
Aberrant signaling from reactive astrocytes impairs neurovascular function after stroke

9.50-10.15 **Blanca Diaz Castro,** The University of Edinburgh (Edinburgh, UK)
Molecular alterations of the vasculature-astrocyte interactions in dementia

10.15-10.30 **Short talk from junior researchers**
Marta Pereira-Iglesias, Institut Pasteur (Paris, France)
Microglia safeguard the immature neurovascular interface from developmental microbleeds

10.30-11.00 *Coffee Break*

Symposium IV: Natural secreted nano-shuttles along the glia-neuro axis: extracellular vesicles for intercellular signaling

Chairs: Nunzio Iraci & Eva-Maria Kramer-Albers

11.00-11.25 **Eva-Maria Kramer-Albers,** Johannes Gutenberg-Universität (Mainz, Germany)
Extracellular vesicles in neuron-glia communication and axonal maintenance

11.25-11.50 **Jean-Christophe Delpech**, NutriNeuro Lab (Bordeaux, France)
Extracellular vesicles and Omeg3 lipids: their secret(ed) roles in memory

11.50-12.15 **Nunzio Iraci,** University of Catania (Catania, Italy)
The secret(ed) spread of astrocyte-derived extracellular vesicles: communication for neuroprotection

12.15-12.30 **Short talk from junior researchers**
Pierrick Coulmier, IPMC (Valbonne, France)
Investigating a Novel APP- and H_2O_2-Dependent Synaptic Signaling Pathway in Rodents

12.30 *Lunch*

14.00-15.30 Poster session II (odd numbers)

15.30-16.15 Free time

16.15-17.15 **Round table: Mentoring session for Docs & PostDocs**

17.15-17.30 **Kerstin Lenk,** Graz University of Technology (Graz, Austria)
Presentation of the COST EU-GLIA

17.30-18.30 Plenary lecture II

Chairs: Brahim Nait Oumesmar & Anne Desmazières

Leda Dimou, Ulm University (Ulm, Germany)
NG2-glia at the crossroads: from health to disease

19.30 Dinner followed by **"Thursday Night Fever"**

Friday, November 20th

Symposium V: Probing the diversity of glial functions using non-mammalian systems

Chairs: Jean-Marie Mangin & David Ohayon

9.30-9.55	**Georgia Rapti**, EMBL (Heidelberg, Germany) *Glial mechanisms & interactions sculpt circuit architecture across lifespan: insights form C. elegans*
9.55-10.20	**Pierre-Yves Plaçais,** ESPCI (Paris, France) *Metabolic adaptation in Drosophila cortex glia allows versatile energy support to neurons*
10.20-10.45	**Yasmine Cantaut-Belarif,** IBPS (Paris, France) *Integration of sensory cues in the neuroglial niche in contact with the cerebrospinal fluid during axial morphogenesis*
10.45-11.00	**Short talk from junior researchers** **Lydie Stoclet,** CRNL (Lyon, France) *Selective remodeling of neuroglial interactions in a critical period of development*
11.00-11.30	*Coffee break*
11.30- 12.15	**Discussion, General Assembly and Award ceremony**
12.30	End of the meeting