



## 26th Meeting of the French Glial Cell Club

### GLIAL CELLS ON THE BEACH

Oct 12-14th 2022  
Domaine du Lazaret, Sète, France

#### Wednesday, October 12th

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- 13:30-15:00 Registration and welcome introduction
- 15:00-16:30 Symposium I: Gliovascular interactions in health and disease**  
*Chairs: A-C Boulay, A Sharif*
- 15:00-15:25 **Martine Cohen-Salmon**, CIRB, Collège de France (Paris, France)  
*Astroglial mechanisms regulating vascular functions*
- 15:25-15:50 **Candice Chapouly**, Biology of Cardiovascular Diseases (Bordeaux, France)  
*The ambivalent response of reactive astrocytes to BBB breakdown*
- 15:50-16:15 **Monica Imbernon**, LiNCog (Lille, France)  
*Tanycytic involvement in metabolic diseases*
- 16:15-16:30 Short talk from selected abstract
- 16:30-17:00 Flash talks for poster session I
- 17:00-19:00 Aperitif and poster session I
- 19:00-21:00 Dinner
- 21:00-22:00 Plenary lecture**  
*Chair: A Panatier*  
**Richard Robitaille**, Université de Montréal (Canada)  
*Glial cells at the neuromuscular junction as therapeutic target in ALS*

#### Thursday, October 13th

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- 09:00-10:30 Symposium II: New approaches to study neuroglial interactions**  
*Chairs: J-M Mangin, B Nait-Oumesmar*
- 09:00-09:25 **Tim Czopka**, Edinburgh University (Edinburgh, UK)  
*Roles for Oligodendrocyte Precursor Cells in Shaping the Form and Function of Neural Circuits*
- 09:25-09:50 **Delphine Bohl**, Paris Brain Institute (Paris, France)  
*Roles of macrophages and microglial cells towards motor neuron degeneration in ALS*
- 09:50-10:15 **Franck Debarbieux**, Institut des Neurosciences de la Timone (Marseille, France)  
*Dynamic intravital imaging highlights infiltrated moDCs as regulator of microglial state and neuronal plasticity*
- 10:15-10:30 Short talk from selected abstract
- 10:30-10:35 ACD/Bio-Techne presentation
- 10:35-10:40 Rebus Biosystems presentation
- 10:40-11:00 Coffee break

### 11:00-12:30 **Symposium III: Circuit-specific regulation of social behavior by astrocytes**

*Chairs: L Ben Haim, A Charlet*

- 11:00-11:25 **Nathalie Rouach**, CIRB, Collège de France (Paris, France)  
*A role for astrocytes in maternal behavior*
- 11:25-11:50 **Giovanni Marsicano**, Neurocentre Magendie (Bordeaux, France)  
*Cannabinoid control of astrocyte functions*
- 11:50-12:15 **Francesco Papaleo**, Istituto Italiano di Tecnologia (Genova, Italy)  
*Cortical astrocytes modulate emotion discrimination through the cannabinoid system*
- 12:15-12:30 Short talk from selected abstract

12:30-14:00 Lunch

14:00-17:00 Free afternoon with on-site and off-site activities

### 17:00-18:30 **Symposium IV: Homeostatic functions of microglia in CNS physiology**

*Chairs: E Audinat, A Nadjar*

- 17:00-17:25 **Alexandre Benani**, Centre des Sciences du Goût et de l'Alimentation (Dijon, France)  
*Toward a link between neuroglial plasticity and satiety*
- 17:25-17:50 **Alain Bessis**, Institut de Biologie de l'ENS (Paris, France)  
*Microglial TNF $\alpha$  control inhibitory synaptic plasticity and sleep*
- 17:50-18:15 **Amanda Sierra**, Achucarro Basque Center for Neuroscience (Leioa, Spain)  
*Not just corpse removal: How microglial phagocytosis maintains tissue homeostasis*
- 18:15-18:30 Short talk from selected abstract

18:30-19:00 Flash talks for poster session II

19:00-21:00 Aperitif/ Buffet Sétois and poster session II

## Friday, October 14th

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### 09:00-10:00 **Plenary lecture**

*Chair: M Thion*

**Veronique Miron**, Edinburgh University (UK)  
*The disappearing act: how microglia influence myelin health*

### 10:00-11:30 **Symposium V: Glial cells are symphonic metabolic conductors through lactate shuttles**

*Chairs: A-K Bouzier-Sore, T Daubon*

- 10:00-10:25 **Luc Pellerin**, Poitiers University (Poitiers, France)  
*Astrocyte-Neuron Lactate Shuttle: Importance of Monocarboxylate Transporters to sustain behavioral performances*
- 10:25-10:50 **Anne-Karine Bouzier-Sore**, CRMSB (Bordeaux, France)  
*Astrocyte-Neuron Lactate Shuttle: from its importance for the BOLD fMRI signal to its neuroprotective properties*
- 10:50-11:15 **Thomas Daubon**, IBGC (Bordeaux, France)  
*Lactate shuttles in glioblastoma and its microenvironment*
- 11:15-11:30 Short talk from selected abstract

11:30-12:15 Prizes announcements and General Assembly

12:15-14:00 Farewell lunch

14:00 End of the meeting