

The event in brief

You are a Young Researcher working on Glial Cells?

This event is made for you! Come present your work through a talk or poster presentation!

Of course, Senior Researchers are more than welcome to join us and engage in fruitful interactions with students!

Plenary Speaker



Pr. Mikael Simons

Institute of Neuronal Cell Biology
Munich, Germany

**Mechanisms of
(re)myelination in the CNS**

Scientific Program

4 symposia

Astrocytes
Oligodendrocytes
Microglia
Glial cell interactions

2 posters sessions

With a total of 40 posters

- Best presentation awards -

1x Best Oral Presentation
2x Best Poster Presentation

Localization

« Grand Amphithéâtre »
18 quai Claude Bernard
69007 Lyon



T1 Quai Claude Bernard **M B** Jean Macé

T2 Centre Berthelot **M D** Guillotière

Social Event



« Maker Of Stories »

4 rue de la Barre
69002 Lyon

Registration until May 12th



Program

10:00-10:20 Reception

10:20-10:30 Opening Ceremony

10:30-11:30 Symposium 1: Astrocytes signaling in physiopathology

Chairs: Martine COHEN-SALMON & Tom LAKOMY

Katia-Raquel AVILA-GUTIERREZ (Paris, FRANCE)

Alteration of astrocyte local translation: A pathogenic mechanism in Alzheimer's disease

Angel BAUDON (Strasbourg, FRANCE)

Central amygdala astrocytes oxytocin receptor Gai pathway mediates behavioral adaptation in mice

Yiannis POULOT (Paris, FRANCE)

Astrocytes heterogeneity in Alzheimer's disease

11:30-11:40 Vizgen Presentation

Sébastien BELLOW

Mapping the Future with Spatial Genomics

11:40-12:25 Coffee break + Poster session 1

12:25-13:25 Symposium 2: Oligodendrocyte differentiation and maturation in the developing brain and pathologies

Chairs: Brahim NAIT OUMESMAR & Jéflie TOURNEZY

Mary-Amélie MASSON (Paris, FRANCE)

A role for the post-synaptic density protein PSD-95 in CNS myelination

Cristobal IBACETA (Paris, FRANCE)

Cognitive flexibility impairment in mouse due to suppression of developmental cell death in lineage-related interneuron and oligodendroglia

Nina POTTIER (Paris, FRANCE)

Functional consequences of IDH1 and CIC mutations on oligodendrogloma cells of origin

13:25-15:00 Lunch break + "Free" Poster session

Our sponsors

Program

15:00-16:00 Plenary Lecture

Chairs: *Kassandre COMBET, Chloé DIAS, Sarah MOUNTADEM & Nina POTTIER*

Pr. Mikael SIMONS (Munich, GERMANY)

Mechanisms of (re)myelination in the CNS

16:00-17:00 Symposium 3: Revisiting cellular communication through microglia from extracellular vesicles to activity dependent interactions

Chairs: *François RASSENDREN & Nissrine BALLOUT*

Kassandre COMBET (Lyon, FRANCE)

Microglia morphodynamics regulation by neuronal activity: A daytime matter?

Chloé DIAS (Toulouse, FRANCE)

Microglia-derived extracellular vesicles promote neuropathology in Sanfilippo syndrome

Clément PERROT (Paris, FRANCE)

Neuronal activity modulates microglia phenotype in repair through microglia-node of Ranvier interaction

17:00-17:45 Coffee break + Poster session 2

17:45-18:45 Symposium 4: Role of glial cells in brain functions and homeostasis

Chairs: *Etienne AUDINAT & Mary-Amélie MASSON*

David GUENOUN (Paris, FRANCE)

Premature brain ageing, the aftermath of an early-life inflammatory event

Mahalakshmi DHANASEKAR (Paris, FRANCE)

Investigation of mechanisms underlying glia-dependent motor arrest

Barbara DELAUNAY-PIEDNOIR (Paris, FRANCE)

Impact of gestational exposure to pesticides in gliovascular interactions establishment during brain development

18:45-19:30 Closing and Awards ceremony

20:00 Social Event

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