

UE Molecular and Cellular Neurosciences - with the support of Labex Cortex

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!!!! WARNING: Conference location changes every day, read the program carefully !!!!

Monday November 24, 2025

Rockefeller campus, Salle des Conférences Médiathèque Paul Zech (8 avenue Rockefeller, 69008 Lyon)

11h-12h30: **"Introduction to axon formation and navigation"**

Julien Falk (Institut NeuroMyoGène - MeLiS, Lyon)

13h30-15h00: **"Microglia partners of neuronal functions"**

Alain Bessis (Institut de Biologie de l'Ecole Normale Supérieure, Paris)

15h15-16h45: **"Synapse formation and specificity: lessons from C. elegans genetics"**

Bérangère Pinan-Lucarre (Institut NeuroMyoGène - MeLiS, Lyon)

17h00-17h30: Discussion

Tuesday November 25, 2025

Rockefeller campus, Salle des Conférences Médiathèque Paul Zech (8 avenue Rockefeller, 69008 Lyon)

9h30-11h: **"Reprogramming cell identity within the central nervous system: A new avenue for brain repair"**

Christophe Heinrich (Stem-cell and Brain Research Institute, Lyon)

11h15-12h30: **"Never-resting microglia: orchestrating brain homeostasis in sleep and wake"**

Kassandre Combet (Institut NeuroMyoGène - MeLiS, Lyon)

13h30-15h: **"From funny molecular events to synaptic plasticity: How synaptic signalling defines a learning rule"**

Mariano Casado (Institut de Biologie de l'Ecole Normale Supérieure, Paris)

15h15-16h45: **"Astroglial contribution to synaptic transmission and plasticity"**

Stéphane Olié (Neurocentre Magendie, Bordeaux)

17h00-17h30: Discussion

Wednesday November 26, 2025

Amphithéâtre "Neurocampus" (CRNL, CH Le Vinatier, Bat. 462 Neurocampus, 95 bd Pinel, Bron)

9h30-12h30: **"Introduction to single cell analysis in Neurosciences"**

Olivier Raineteau & Guillaume Marcy (Stem-cell and Brain Research Institute, Lyon)

13h30-14h45: **"Neuroglial crosstalks and their impact on myelination in health and repair"**

Anne Desmazieres (Institut du Cerveau - ICM, Paris)

15h-16h30: **"Mitochondria and metabolic regulation in the making and running of synapses"**

Julien Courchet (Institut NeuroMyoGène - PGNM, Lyon)

16h45-17h30: Discussion

Thursday November 27, 2025

Amphithéâtre "Neurocampus" (CRNL, CH Le Vinatier, Bat. 462 Neurocampus, 95 bd Pinel, Bron)

9h30-11h00: **"Dynamic organization of the synapse: single molecule insights"**

Julien Dupuis (Institut interdisciplinaire de Neurosciences, Bordeaux)

11h15-12h45: **"Cortical organoids: a 3D cellular model of human neurodevelopment and diseases"**

Marion Delous (Centre de Recherche en Neurosciences de Lyon)