

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

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### **Monday November 21, 2022**

Amphithéâtre "Neurocampus" (CH Le Vinatier, Bron)

10h30-12h00: **"Building the axon-muscle connectome"**

Jonathan Enriquez (Institut de Génomique Fonctionnelle de Lyon, Lyon)

13h00-14h30 : **"Synapse formation and specificity : lessons from C. elegans genetics"**

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

14h45-16h15: **"Reprogramming cell identity within the central nervous system: A new avenue for brain repair"**

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

16h30-17h30: Discussion

### **Tuesday November 22, 2022**

Amphithéâtre "Neurocampus" (CH Le Vinatier, Bron)

10h-11h30: **"Introduction to axon formation and navigation"**

Julien Falk (Institut NeuroMyoGène - MeLiS, Lyon)

13h-14h30: **"Microglia partners of neuronal functions"**

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

14h45-16h15: **"Multifaceted microglia during brain development"**

Morgane Thion (Institut de Biologie de l'Ecole Normale Supérieure, Paris)

16h30-17h30: Discussion

### **Wednesday November 23, 2022**

Amphithéâtre "Neurocampus" (CH Le Vinatier, Bron)

9h00-12h00 : **"Introduction to single cell analysis in Neurosciences"**

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

13h-14h30 : **"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)

14h45-16h15 : **"Mechanisms of habituation learning in larval zebrafish".**

Owen Randlett (Institut NeuroMyoGène - MeLiS, Lyon)

16h30-17h30: Discussion

### **Thursday November 24, 2022**

Amphithéâtre "Neurocampus" (CH Le Vinatier, Bron)

Morning : **free time to work at home on a previous exam (exam training)**

13h-14h30 : **" Tracing cell lineage in the nervous system: past, present and future"**

Jean Livet (Institut de la Vision, Paris)

14h45-16h15 : **"Probing neural progenitor's heterogeneity and dynamics with Transcriptomics"**

Ludovic Telley (Université de Lausanne, Suisse)

16h30-17h30: Discussion

*Friday November 25, 2021*

Amphithéâtre "Neurocampus" (CH Le Vinatier, Bron)

9h00-10h30 : **"Dynamic organization of the synapse: single molecule insights"**

Julien Dupuis (Institut interdisciplinaire de Neurosciences, Bordeaux)

10h45-12h15: **"Astroglial contribution to synaptic transmission and plasticity"**

Stéphane Oliet (Neurocentre Magendie, Bordeaux)

12h30-13h00 : Discussion