



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

Coordination Marion Richard (marion.richard@univ-lyon1.fr) & Olivier Pascual (olivier.pascual@inserm.fr)

Monday November 16, 2020

- 10h00-11h30 : "**Generating and regenerating the central nervous system**"
Olivier Raineteau (Stem-cell and Brain Research Institute, Lyon)
- 13h-14h30 : "**Introduction to axon formation and navigation**"
Julien Falk (Institut NeuroMyoGène, Lyon)
- 14h45-16h15 : "**Interneuronal dysfunction in Alzheimer's disease**"
Laure Verret (Centre de Recherches sur la Cognition Animale, Toulouse)
- 16h30-17h30 : Discussion

Tuesday November 17, 2020

- 10h00-11h30 : "**Direct Lineage Reprogramming: A new avenue toward Brain Repair?**"
Christophe Heinrich (Stem-cell and Brain Research Institute, Lyon)
- 13h-14h30 : "**Microglia partners of neuronal functions**"
Alain Bessis (Institut de Biologie de l'Ecole Normale Supérieure, Paris)
- 14h45-16h15 : "**Astroglial contribution to synaptic transmission and plasticity**"
Stéphane Oliet (Neurocentre Magendie, Bordeaux)
- 16h30-17h30 : Discussion

Thursday November 19, 2020

- 10h00-11h30 : "**Mitochondria and metabolic regulation in the making and running of synapses**"
Julien Courchet (Institut NeuroMyoGène, Lyon)
- 13h00-14h30 : "**The developing Huntington disease brain**"
Sandrine Humbert (Grenoble Institut des Neurosciences)
- 14h45-16h15 : "**What can baby zebrafish learn, and what does behavior tell us about how they do it?**"
Owen Randlett (Institut NeuroMyoGène, Lyon)
- 16h30-17h30 : Discussion

Friday November 20, 2020

- 10h-11h30 : "**Dynamic organization of the synapse: single molecule insights**"
Julien Dupuis (Institut interdisciplinaire de Neurosciences, Bordeaux)
- 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 : "**Synapse formation and specificity : lessons from C. elegans genetics**"
Bérangère Pinan-Lucarre (Institut NeuroMyoGène, Lyon)
- 16h30-17h30 : Discussion