



### IMPORTANT UPDATE - 28/10/2020

Because of the worsening of the sanitary situation, the conferences of the "Molecular and Cellular Neuroscience" unit will take place online, via WebEx.

Please contact the co-coordinators to obtain the links to the relevant meetings.

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

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#### *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 Olié (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