

**Master 2 Neurosciences Fondamentales et Cliniques - UCB Lyon 1****UE Cellular and Molecular Neurosciences - with the support of Labex Cortex****Contact :** Marion Richard (marion.richard@univ-lyon1.fr) et Olivier Pascual (olivier.pascual@inserm.fr)**Monday November 19<sup>th</sup> 2018 :****Amphi 5, Laennec, Lyon*****Theme : Synaptic function (1/2)*****10h-11h30 : "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)

**13h-14h30 : "Dynamic organization of the synapse: single molecule insights"**

Julien Dupuis (Institut interdisciplinaire de Neurosciences, Bordeaux)

**14h45-16h15 : "Don't get too excited! Genetic and functional dissection of two-pore domain potassium channels in the model nematode *C. elegans*"**

Thomas Boulin (Institut Neuromyogène, Lyon)

16h30-17h30 : Discussion

**Tuesday November 20<sup>th</sup> 2018:****Amphi 5, Laennec, Lyon*****Theme : Synaptic function (2/2)*****10h-11h30 : "Glial function in Drosophila: from genes to neurophysiology"**

Laurent Seugnet (Centre de Recherche en Neurosciences de 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 22<sup>nd</sup> 2018****Amphi 5, Laennec (morning) /  
La Doua, TD Physio bâtiment Darwin B (afternoon)****WARNING specific time slots for this day !*****Theme : Nervous system development and repair (1/2)*****9h30-11h00 : "Introduction to axon formation and navigation"**

Julien Falk (Institut NeuroMyoGène, Lyon)

**11h15-12h45 : "Mitochondria and metabolic regulation in the making and running of synapses"**

Julien Courchet (Institut NeuroMyoGène, Lyon)

**14h30-16h00 : "The zebrafish model at the service of neuroscience"**

Marion Delous (Centre de Recherche en Neurosciences de Lyon)

16h15-17h15 : Discussion

**Friday November 23<sup>rd</sup> 2018 :**

**Amphi 5, Laennec, Lyon**

***Theme : Nervous system development and repair (2/2)***

**10h-11h30 : "Direct Lineage Reprogramming: A new avenue toward Brain Repair?"**

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

**13h-14h30 : "The developing Huntington disease brain"**

Sandrine Humbert (Grenoble Institut des Neurosciences)

**14h45-16h15 : "Manipulating adult hippocampal neurogenesis in mouse models of Alzheimer's disease"**

Claire Rampon (Centre de Recherches sur la Cognition Animale, Toulouse)

16h30-17h30 : Discussion