

Joint Meeting Clubs des Cellules Gliales / Développement des Réseaux Neuronaux

May 19th, 2015

Amphithéâtre d'Anatomie de la Faculté de Médecine,

2 rue de l'Ecole de Médecine

Montpellier, France

“Emerging concepts of glial cell functions in developing neural circuits”

9h00 – 9h30 Registration

9h30 Welcome introduction

9h35 Sonia Garel, Institut de Biologie de l'ENS, Paris

Microglia modulate wiring of the embryonic forebrain

10h Agnès Nadjar, INRA UMR 1286, Bordeaux

Perinatal omega-3 deficiency alters microglia-neuron interactions during brain development

10h25 Coralie-Anne Mosser, Université Paris Descartes, Paris

Role of microglia in the functional maturation of cortical synapses

10h50 Coffee break

11h15 David Lyons, Center for Neuroregeneration, Edinburgh University, Edinburgh, UK

Using zebrafish to dissect role of glia in modulating neuronal circuits

11h40 Fernando Ortiz, INSERM U1128/University Paris Descartes, Paris

Alterations of synaptic connectivity of oligodendrocyte precursor cells following demyelination

12h05 Anne Desmazieres, Institut du Cerveau et de la Moelle Epinière, ICM, Paris
Mechanisms of Node of Ranvier Formation

12h30 – 14h00: Lunch

14h00 Sara Bizzotto, Institut du Fer à Moulin, Paris
Study of Eml1 in neuronal progenitors

14h25 Cyril Picard, Institut de Biologie de l'ENS, Paris
Parasympathetic ganglia derive from Schwann cell precursors

14h50 Aurélie Gresset, Institut de Biologie de l'ENS, Paris
Boundary cap cells are a source of neural stem cells in the skin

15h15 Coffee break

15h35 Glenn Dallerac, Centre de Recherche en Neurobiologie et Neurophysiologie, Marseille.
Absence of D-serine results in abnormal dopamine-glutamate dialogue in the prefrontal cortex

16h00 Ruani Fernando, Institut des Neurosciences de Montpellier, Montpellier
Postnatal axonal growth determines optimal myelin sheath geometry

16h25 Aiman Saab, University of Zurich, Zurich
Metabolic coupling between axons and oligodendrocytes during developmental myelination

17h – 18h30 General discussion