



Club des
Cellules
Gliales

23rd Meeting of the French Glial Cell Club Emerging Concepts in Glial Cell Research

June 1-3, 2016
Carry-le-Rouet, France

WEDNESDAY, JUNE 1st

13.30-14.30 Registration and welcome introduction

14.30-15.30 **Plenary Lecture** (Chair: E.Huillard)
David Rowitch, University of California (San Francisco, USA)
Heterogeneous origins and diversified functions of astrocytes

Session I: Oligodendrocyte development and regeneration (Chairs: P.Durbec, B.Nait Oumesmar)

15.30-16.00 **Cathy Soula**, Centre de Biologie du Développement (Toulouse, France)
Generation of glial cell diversity over development: key roles of the cell signaling modulators Sulf1 and Sulf2

16.00-16.30 **Antoine Marteyn**, Institut du Cerveau et de la Moelle Epinière (Paris, France)
Therapeutic potential of neural precursor cells for Pelizaeus Merzbacher Disease

16.30-17.00 Coffee break

17.00-17.30 **Pascale Durbec**, Institut de Biologie du Développement de Marseille (Marseille, France)
Role of heparan sulfate in myelin regeneration

17.30-18.00 **Mikael Simons**, Max Planck Institute for Experimental Medicine (Göttingen, Germany)
Mechanisms of myelination and demyelination in the central nervous system

18.00-19.30 Welcome aperitif and poster session

20.00 Dinner

THURSDAY, JUNE 2nd

Session II: Microglial cell motility and morphology in pathophysiology (Chair: O.Pascual)

9.00-9.30 **Fabrice Chrétien**, Institut Pasteur (Paris, France)
Microglial cell behavior during acute stress situations

9.30-10.00 **Valentin Nagerl**, Institut Interdisciplinaire de Neurosciences (Bordeaux, France)
Caught in the act: STED imaging of microglia-synapse interactions

10.00-10.30 **Inès Hristovska**, Institut Neuro-Myo-Gen (Lyon, France)
Correlating microglial motility with neuronal activity in vivo

10.30-11.00 Coffee break

Session III: Multiple interactions between glia and synapses (Chair: MC.Angulo)

11.00-11.30 **Anne Roumier**, Institut du Fer à Moulin (Paris, France)
Regulation of microglia by serotonin in the context of synaptic refinement.



- 11.30-12.00 **David Ordaz**, Université Paris Descartes (Paris, France)
Contribution of the embryonic origin to the postnatal interneuron-NG2 cell microcircuit assembly
- 12.00-12.30 **Gertrudis Perea**, Instituto Cajal (Madrid, Spain)
Astrocytes regulate synaptic plasticity
- 12.30-13.00 **Maria Kukley**, University of Tübingen (Tübingen, Germany)
Do axons in peripheral nerves communicate with Schwann cells via neurotransmitter release?
- 13.00-14.00 Lunch
- 14.00-17.30 Free afternoon, with on-site activities (sea kayak, biking, etc.)

Session IV: Glioma development and signaling (Chairs: E.Huillard, A.Sharif)

- 17.30-18.00 **Julie Gavard**, Université de Nantes (Nantes, France)
Endothelial factors involved in the maintenance of brain tumor initiating cells
- 18.00-18.30 **Iva Simeonova**, Institut du Cerveau et de la Moelle Epinière (Paris, France)
Deciphering the TCF12 tumor suppressor function in gliomas
- 18.30-19.00 **Jean-Philippe Hugnot**, Institut des Neurosciences de Montpellier (Montpellier, France)
Control of proliferation and angiogenesis in gliomas by Notch signaling
- 19.00-19.30 **Romane Auvergne**, University of Copenhagen (Copenhagen, Denmark)
Distinctions between cancer and normal adult glial progenitors in human gliomas
- 20.00-21.00 Dinner
- 21.00-23.00 Evening poster session with drinks

FRIDAY, JUNE 3rd

- 9.30-10.30 **Plenary lecture** (Chair: A.Baron)
Alison Lloyd, University College London (London, UK)
The cellular complexity of peripheral nerve regeneration

Session V: Role of glia cells in the enteric nervous system (Chair: JP.Mohtet)

- 10.30-11.00 **Michel Neunlist** Université de Nantes (Nantes, France)
The digestive neuro-glio-epithelial unit in digestive and brain disorders
- 11.00-11.30 **Pieter Vanden Berghe**, KU Leuven (Leuven, Belgium)
Quantitative imaging of enteric glia in health and disease
- 11.30-12.00 **Vassilis Pachnis**, Francis Crick Institute (London, UK)
Homeostasis of enteric glial cells and their response to injury
- 12:00- 12.30 Discussion and General Assembly
- 12.30 Farewell Lunch
- 14.00 End of the meeting