



CHAIRE PROCESSUS MORPHOGÉNÉTIQUES

Année académique 2016-2017

Alain PROCHIANTZ, professeur

CEREBRAL CORTEX PLASTICITY: IN AND AROUND FAST-SPIKING INHIBITORY INTERNEURONS

Colloque en anglais • Colloquium in English

Jeudi 4 et vendredi 5 mai 2017, amphithéâtre Guillaume Budé

Thursday May 4th

- 09h00** Welcome
Alain PROCHIANTZ, Administrateur du Collège de France
- 09h15** Prefrontal interneurons in fear behavior
Cyril HERRY, *Neurocentre Magendie, Bordeaux, France*
- 10h00** Targeting the extracellular matrix to restore memory in ageing and Alzheimer's disease
James FAWCETT, *John van Geest Centre for Brain Repair, University of Cambridge, Cambridge, UK*
- 10h45** Coffee Break
- 11h15** Proteolysis and stroke: can "Swiss army knife" proteases like tPA help?
Carine ALI, *Université de Caen Basse-Normandie, GIP Cyceron, Caen, France*
- 12h00** Role of redox, neuroinflammation and NMDAR in excitatory/inhibitory imbalance: translational studies in schizophrenia patients and models
Kim DO, *Center for Psychiatric Neuroscience, Lausanne, Switzerland*
- 12h45** Lunch
- 14h00** Extracellular matrix and regulation of neuronal excitability
Alexander DITYATEV, *Center for Neurodegenerative Diseases (DZNE), Magdeburg, Germany*
- 14h45** Losing the sugar coating: extracellular matrix abnormalities in psychiatric disorders
Sabine BERRETTA, *Mailman Research Center, McLean Hospital, Belmont, USA*
- 15h30** Coffee Break
- 16h00** Glycosaminoglycans in neural development
Hiroshi KITAGAWA, *Kobe Pharmaceutical University, Kobe, Japan*
- 16h45** Homeoprotein signaling through perineuronal nets
Ariel DI NARDO, *CIRB, Collège de France, Paris, France*

Friday May 5th

- 09h00** Interplay between the dopaminergic system and the extracellular matrix in neuroplasticity and learning
Constanze SEIDENBECHER, *Center for Behavioral Brain Sciences (CBBS), Magdeburg, Germany*
- 09h45** MicroRNA role in of visual cortical development
Tommaso PIZZORUSSO, *Institute of Neuroscience CNR, Pisa, Italy*
- 10h30** Coffee Break
- 11h00** Sensory and midline thalamus: different cortical interneuron targets and thalamocortical response dynamics
Bertrand LAMBOLEZ, *Neuroscience Paris Seine, Université Pierre et Marie Curie, Paris, France*
- 11h45** Parvalbumin networks, nets and plasticity
Takao HENSCH, *F.M. Kirby Neurobiology Center, Harvard Medical School, Boston, USA*
- 12h30** Lunch
- 14h00** PeriNeuronal Net (PNN) and long term memory
Jean ROSSIER, *Centre de Psychiatrie et Neurosciences, Hôpital Sainte Anne, Paris, France*
- 14h45** Traveling homeoproteins on the epigenetic road
Alain PROCHIANTZ, Administrateur du Collège de France
- 15h30** End of the colloquium