



CHAIRE PROCESSUS MORPHOGÉNÉTIQUES

Année académique 2014-2015

Alain PROCHIANTZ, professeur

BRAIN PLASTICITY AND REPAIR

Colloque en anglais • Colloquium in English

Mardi 14 et mercredi 15 avril 2015, amphithéâtre Guillaume Budé

Tuesday April 14th

09h30 Welcome

10h00 How can we increase the intrinsic regenerative ability of CNS axons?
James FAWCETT, *John van Geest Centre for Brain Repair, Cambridge, UK*

10h40 Molecular mechanisms of neural circuit development Jeroen PASTERKAMP, *Department of Translational neurosciences UMC, Utrecht, NL*

11h20 Break

11h40 Prodromal Parkinson's Disease: the value of genetic animal models
Wolfgang WURST, *German Research center for environment and health, Munich, DE*

12h20 Regulation of Neural Plasticity and Regeneration by Complex Extracellular Matrix Micromilieus
Andreas FAISSNER, *Faculty of Biology and Biotechnology, Ruhr-University, Bochum, DE*

13h00 Lunch

14h20 The repulsive axon guidance cue Semaphorin3A in perineuronal nets and the neural scar
Joost VERHAAGEN, *Netherland Institute for neurosciences, Amsterdam, NL*

15h00 Metabolism, epigenetics and plasticity
Raj RATAN, *Burke University, White Plains, NY USA*

15h40 Fine-tuning the inhibitory chondroitin sulfate proteoglycans in promoting regeneration
Jessica KWOK, *John van Geest Centre for Brain Repair, Cambridge, UK*

16h20 Break

16h40 Nigral innervation of the olfactory bulb: Physiological role and its impact in early degeneration of the substantia nigra in Parkinson disease
Daniel ALVAREZ-FISHER, *Institute of Neurogenetics, University of Lübeck, DE*

17h20 SINEUPs: a new functional class of antisense long non-coding RNAs that activate translation
Stefano GUSTINCICH, *International School for Advanced Studies SISSA, Trieste, IT*

18h00 Otx2 regulation of cerebral cortex plasticity, during postnatal development and in the adult
Clémence BERNARD, *Collège de France*

Wednesday April 15th

09h30 Café d'accueil

10h00 Pre-symptomatic compensation in neurodegeneration
Alexandra DURR, *Brain and Spine Institute (ICM), Paris, FR*

10h40 Transcriptional control and Parkinson's disease
Thomas PERLMANN, *Ludwig Institute for Cancer Research, Karolinska Institute, Stockholm, SU*

11h20 Break

11h40 Use of embryonic stem cells for brain repair
Anders BJORKKLUND, *Wallenberg Neuroscience Center, Lund University, Lund, SU*

12h20 Dopamine modulation of neuronal circuitries and CNS pathologies
Emiliana BORRELLI, *University of California, Irvine, USA*

13h00 Lunch

14h20 The brainstem pedunculo pontine nucleus as a deep-brain stimulation target
Brian LAU, *Brain and Spine Institute (ICM), Paris, FR*

15h00 Huntington's disease: huntingtin, intracellular trafficking and the control of neuronal survival
Frédéric SAUDOU, *Grenoble Institute of Neuroscience, FR*

15h40 Vulnerability of the striatum in Huntington's disease: a focus on newly identified striatal genes
Emmanuel BROUILLET, *Life Science Division, CEA, Fontenay-aux-Roses, FR*

16h20 Break

16h40 The physiopathology of homeoprotein transduction
Alain PROCHIANTZ, *Collège de France*

17h20 Nobody knows
Vitek TRACZ, F1000, *Life Science Communication, LONDON, UK*