



CHAIRE DES PROCESSUS MORPHOGÉNÉTIQUES

Année académique 2013-2014

Alain PROCHIANTZ, Professeur

Development, Maintenance and Physiology of Neural Circuits

Colloque en anglais • Colloquium in English

Mardi 29 et mercredi 30 avril 2014, amphithéâtre Guillaume Budé

Tuesday April 29th

09h00 Welcome coffee

09h30 Welcome

09h45 Development and Evolution of Brain Commissures

Alain Chedotal, *Institut de la vision, Paris, France*

10h30 Transformation of Retinal Direction Selectivity
in the Zebrafish Optic Tectum

Martin Meyer, *King's College, MRC, London, UK*

11h15 Break

11h45 Regulation of Mammalian Binocular System

Development by Mobile Homeodomain

Transcription Factors

Jin Woo Kim, *KAIST, Deajon, Korea*

12h30 Wiring the Embryonic Forebrain

Sonia Garel, *École normale supérieure, Paris, France*

13h15 Lunch

14h30 RNA-Based Mechanisms of Axon Guidance

Christine Holt, *University of Cambridge,
Cambridge, UK*

15h15 Local Translation at Synapses

Erin Schuman, *Max Planck Institute,
Frankfurt, Germany*

16h00 Coffee break

16h30 Molecular Dynamic at Synapses:

from Super-Resolution to Chemistry *in cellulo*

Antoine Triller, *École normale supérieure,
Paris, France*

17h15 Two Inputs, one Target: What are the Pathways

Controlling the Specificity of Neuronal Connectivity

Fekrije Selimi, *Collège de France, Paris, France*

Wednesday April 30th

09h00 Perineuronal Nets in Functional and Structural

Brain Plasticity

Tommaso Pizzorusso, *Scuola superiore normale,
CNR, Pizza, Italy*

09h45 Balancing Plasticity/Stability in the Brain

Takao Hensch, *Harvard University, Cambridge, USA*

10h30 Coffee break

11h00 Involvement of Glycosaminoglycan Chains

in Neural Development and Plasticity

Hiroshi Kitagawa, *Kobe University, Kobe, Japan*

11h45 Homeoprotein Transfer in Neural Circuit

Development and Plasticity

Alain Prochiantz, *Collège de France, Paris, France*

12h30 Lunch

14h00 Publishing in a High Profile Journal:

Questions and Answers

Katia Bröse, *Neuron Editor, Cell press*