INC Day 2017: Brain and Epigenetics

October 16th, 2017

Amphithéâtre Vulpian, Université Paris Descartes
12, rue de l’Ecole de Médecine, Paris 6ème

Organizers: Jacqueline Fagard (Laboratoire psychologie de la Perception, UMR 8242 CNRS -Paris Descartes), Valérie Metzger (Epigénétique et Destin Cellulaire, UMR7216 CNRS - Paris Diderot), Claire Legay et Claude Meunier (Centre de Neurophysique, Physiologie et Pathologie, UMR8119 CNRS - Paris Descartes)

Program

9:00-9:30: Breakfast and Welcome Address

9:30-10:30: Keynote Lecture: "EPGENETICS IN DEVELOPMENT AND DISEASE : LESSONS FROM THE X CHROMOSOME" by Edith Heard, Collège de France, Paris

10:30-12:30: From Biochemical mechanisms to Pathology

- Jonathan Weitzman (Epigénétique et destin cellulaire, Paris Diderot)
- Challenges of translational epigenetics for the neurosciences
- Bérénice Benayoun (University of California – Davies school of Gerontology, L.A, USA),
  Epigenome and transcriptome changes across tissues during mouse aging
• Johannes Gräff (Brain Mind Institute, École Polytechnique Fédérale Lausanne (EPFL), Switzerland)) Epigenetic Mechanisms in Alzheimer’s Disease

12:30-14:00 Lunch in Galerie Saint-Germain

14:00-16:00 Epigenetics and Brain development

• Giacomo Cavalli (Institut de Génétique humaine, Montpellier)
  The 3D genome fingerprint of neuronal differentiation

• Claudine Junien (UVSQ, INRA, Paris, France)
  A glance through epigenetic brain sex differences

• Tracy Bale (Perelman School of Medicine, University of Pennsylvania, USA)
  Maternal stress and epigenetic programming of the developing brain

16:00-16:30 Coffee break

16:30-18h30: An epigenetic determinism?

• Marc Potenza (University of Yale, USA) Epigenetic considerations for behavioral addictions: Gene and environmental contributions to gambling disorder

• Ernesto Burgio (ECERI, Brussels, Belgium and ISDE, Arezzo, Italy)
  Brain Evolution and Neurodevelopmental Disorders: From Genetics to Epigenetics

• Francesca Merlin (IHPST – CNRS & Université Paris 1 Panthéon-Sorbonne)
  Conceptual and epistemological issues in brain epigenetics and beyond

18:30-19:00 Conclusion and Refreshments