

INC Day 2017: Brain and Epigenetics

October 16th, 2017

Amphithéâtre Vulpian, Université Paris Descartes

12, rue de l'École de Médecine, Paris 6ème

Organizers : Jacqueline Fagard (Laboratoire psychologie de la Perception, UMR 8242 CNRS -Paris Descartes), Valérie Mezger (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 : "EPIGENETICS IN DEVELOPMENT AND DISEASE : LESSONS FROM THE X CHROMOSOME" by **Edith Heard**, Collège de France, Paris

9h30 – 9h35: short presentation of **Diagénode** system , by Jérôme Kroonen

10:35-12:35 : 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