

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 Mezger (Epigénétique et Destin Cellulaire, UMR7216 CNRS - Paris Diderot), Claire Legay and 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

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

- **Jonathan Weitzman** (Epigénétique et destin cellulaire, Paris Diderot)
TBA
- **Bérénice Benayoun** (University of Southern California, Davis School of Gerontology, Los Angeles).

Epigenome and transcriptome changes across tissues during mouse aging

- **Johannes Gräff** (Neuro-Epigenetics Laboratory – UPGRAEFF, Lausanne, 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** (INRA and UVSQ)
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** (Institut d'histoire et de philosophie des sciences et des techniques, Université Panthéon-Sorbonne)
Epigenetics and the anti-reductionist promise: just an epistemological mirage?

18:30-19:00 Conclusion and Refreshments