



BME PARIS
BioMedical Engineering
MASTER'S PROGRAM



INSTITUT PARIS DESCARTES
NEUROSCIENCES
COGNITION

INC Day 2019: Animal models of the Human brain

Thursday, November 7, 2019

Amphithéâtre Vulpian, Université Paris Descartes

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

Organizers : S. Bernard and N. Marie (T3S, UMR1124, INSERM - Université de Paris), V. El Ghouzzi (Neuro Diderot, UMR1141, INSERM - Université de Paris), C. Meunier and C. Sergent (INCC, UMR8002, CNRS - Université de Paris)

In partnership with the Biomedical Engineering – Paris international Master program and the Neuroscience master

Program

9:00-9:30 Breakfast and Welcome Address

9:30-10:30 Keynote Lecture by Wieland Huttner (Max Planck Institute of Molecular Cell Biology and Genetics, Dresden)

Human-specific genes, neural stem cell amplification, and neocortex expansion in development and human evolution

10:30-12:30 What can we learn from animal models? I

- **Nico Katsanis** (Duke University, USA) - *The Genetic Architecture of Ciliopathies*
- **Sullian Ben Hamed** (Institut des Sciences cognitives Marc Jeannerod, Lyon) - *Non-human primate models for the study of human brain functions and dysfunctions*
- **George Koob** (NIH-NIAAA, Bethesda, USA) - *Animal models based on a validated heuristic framework of the neurobiology of addiction*

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

14:00-16:00 What can we learn from animal models? II

- **Nicola Clayton** (University of Cambridge, UK) - *Corvid Cognition*
- **Shlomo Wagner** (University of Haifa, Israel) - *Deep phenotyping of social behavior in animal models*
- **Bruno Giros** (Université Paris Descartes & McGill University) *Noradrenergic control of vulnerability to stress*

16:00-16:30 Coffee break

16:30-18:30 Alternative or complementary approaches

- **Simona Lodato** (Humanitas University, Milan) - *Investigating cerebral cortex development in the embryo and in 3D-organoids*
- **Stanislas Dehaene** (Collège de France, Paris) - *The search for human singularity*
- **Serban Morosan** (Médecine Sorbonne Université, Paris) - *Transparency and Communication on animal used for scientific purposes*

18:30-19:00 Conclusion and Refreshments