

Pathophysiology of neurodevelopmental disorders: insights from omics technologies and innovative model systems

Inmed – Marseille, France - 7th November 2019

PROGRAMME

8:45 am – 9:20	Registration
9:20 – 9:30	Welcome introduction
9:30 – 11:00	SESSION 1 – Genetic etiology and pathophysiology of brain malformations Chairman: Nadia Bahi Buisson – Institut IMAGINE, Paris, France 09:30 – 10:15 Laurent Nguyen – GIGA Neurosciences, Liège, Belgium New insights into the regulation of axonal transport 10:15 – 11:00 Stéphanie Baulac – ICM, Paris, France Brain somatic mutations in focal malformations of cortical development with epilepsy
11:00 – 11:30	Coffee break
11:30 – 1:00pm	SESSION 2 – Transcriptomics in Brain research Chairman: Jean Bernard Manent, INMED, Marseille, France 11:30 – 12:15 Denis Jabaudon – Université de Genève, Switzerland Temporal patterning and plasticity in the developing neocortex 12:15 – 1:00pm Cantin Ortiz – Karolinska Institutet, Stockholm, Sweden Molecular atlas of the adult mouse brain
1:00 – 2:15	Lunch
2:15 – 3:45	SESSION 3 – Modeling Brain development and disease (1) Chairman: Grazia Mancini, ERASMUS MC, Rotterdam, The Netherlands 2:15 – 3:00 Alexandre Baffet – Institut Curie, Paris, France Altered intracellular sorting of EGFR causes microcephaly 3:00 – 3:45 Orly Reiner – Weizmann Institute, Rehovot, Israel Novel Lis1 functions
3:45 – 4:15	Coffee break and Poster session
4:15 – 5:45	SESSION 4 – Modeling Brain development and disease (2) Chairman: Valerio Conti – Meyer, Florence, Italy 4:15– 5:00 Steven A. Kushner – ERASMUS MC, Rotterdam, The Netherlands Interneuron myelination in mouse and human neocortex 5 :00 – 5 :45 Silvia Cappello – Max Planck, München, Germany Modeling neuronal migration disorders with human-derived cerebral organoids
5:45 – 6:00	Conclusions and Remarks