

## WORKSHOP

“Higher Education, Research and Innovation” Workshop” (ERI-W)

### *Advances in Basic and Clinical Aspects of Neurodevelopmental Disorders*

15.-16.8.2019, Biomedicum Helsinki, Finland

**Organizers:** Maija Castrén, MD, PhD, Academy Clinical Researcher, Faculty of Medicine, University of Helsinki, Finland  
Barbara Bardoni, PhD, Research Director INSERM Institut de Pharmacologie et Cellulaire/CNRS UMR7275, Valbonne, France

#### Day 1

- 8.30- 9.00 Registration  
9:00- 9.10 Opening of the meeting  
9:10- 10:00 **Frank Kooy**, University of Antwerpen, the Netherlands: *Clinical development of targeted treatments for fragile X syndrome*  
10:00-10:30 Coffee break  
10:30-11:10 **Ilario de Toma**, Barcelona Institute of Science and Technology, Spain: *A transcriptomic approach to conceive new therapies for Down Syndrome and its comorbidities*  
11:10-11:50 **Yolanda de Diego Otero**, Malaga, Spain: *Antioxidants in clinical trials for Fragile X syndrome*  
11:50-12:00 Message from Frax ry; Family association for fragile X syndrome  
12:00- 13:00 Lunch  
13:00-13:40 **Pierre Gressens**, INSERM, Université Paris Diderot, Paris: *Approaches for targeted treatment in neurodevelopmental diseases*  
14:20-14:40 Coffee break  
14:40-15:20 **Mark Daly**, FIMM, University of Helsinki, Finland: *Genetics of neurodevelopmental disorders*  
15:20-16:00 **Jari Koistinaho**, University of Eastern Finland: *Transcriptomic and proteomic signatures of patient-specific neuronal cells in schizophrenia and psychopathy*  
16.00-19.00 Poster session

#### Day 2

- 9.00- 9.40 **Barbara Bardoni**, Inserm, France: *Signaling pathways affected in neurodevelopmental disorders*  
9:40- 10.20 **Mahmoud Pouladi**, University of Singapore, Singapore: *Mechanisms disturbed in triplet repeat diseases*  
10:20-10:40 Coffee break  
10:40-11:20 **Maija Castrén**, University of Helsinki, Finland: *Human stem cells modelling neurodevelopmental diseases*  
11:20-12:00 **Susanna Narkilahti**, University of Tampere, Finland: *Microarrays for Identification of defective connectivity in brain diseases*  
12:00- 13:00 Lunch  
13:00-14:40 **Laurent Roybon**, Lund University, Sweden: *Modelling neurodegenerative diseases using iPSCs*  
14:40- 15:20 **Andreas Frick**, Inserm, France: *Calcium signalling changes in ASD*  
15:20- 15:40 Coffee break  
15:40- 16:20 **Claudio Rivera**, Inserm, Marseille/University of Helsinki: *Chloride transporters in brain diseases*  
16:20-17:00 **Juha Salmitaival**, University of Helsinki, Finland: *Brain imaging of network dysfunction in autism*  
17: 00-17:15 Closing of the meeting