

Coordinator: Prof. Filippo Drago
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NEUROGENETICS AND NEUROGENOMICS

Hotel Villa Paradiso dell'Etna
22-26 July, 2019 - Catania, Italy

PROGRAM

22th July Complexity and perspectives across neuropsychiatric disorders

- 08.30-09.00 Opening
Filippo Drago and Alessandro Serretti
- 09.00-10.30 Morning lecture
The complex interplay of genes, imaging and environment
Andreas Meyer-Lindenberg, Department of Psychiatry and Psychotherapy, Central Institute of Mental Health, Medical Faculty Mannheim/ Heidelberg University, Mannheim (Germany).
- 10.30-11.30 Interactive discussion
- 15.30-17.00 Afternoon lecture
Genetic, disease modeling & precision medicine in Drug Discovery for brain disorders
Emilio Merlo Pich, CNS Therapeutic Area Unit, Takeda Development Center Europe, London (UK).
- 17.00-18.00 Interactive discussion
- 18.00-19.00 General discussion

23th July Genetics and genomics of Neurological disorders

- 09.00-10.30 Morning lecture
Non-coding RNAs and RNA-based therapeutics in neurological disorders
Stefano Gustincich, Department of Neuroscience, Istituto Italiano di Tecnologia, Genoa (Italy).
- 10.30-11.30 Interactive discussion
- 15.30-17.00 Afternoon lecture
Neurogenomics, transcriptomics and aging
Alessandro Cellerino, Scuola Normale Superiore, Laboratory of Biology, Pisa (Italy).
- 17.00-18.00 Interactive discussion
- 18.00-19.00 General discussion

24th July Genetics and genomics of Neurological disorders and training

- 09.00-10.30 Morning lecture
Exome sequencing: from theory to practice with a focus on epilepsy and rare neurodevelopmental disorders
Tommaso Pippucci, Medical Genetics Unit, Sant'Orsola-Malpighi University Hospital, Bologna (Italy).
- 10.30-11.00 Interactive discussion

- 11.30-12.00 Training lecture
How to write a paper/project
Alessandro Serretti, Dept of Biomedical and NeuroMotor Sciences, University of Bologna (Italy).
- 14.00-16.00 Training in small groups
Participants will write a one page project in small groups
- 16.30-18.00 Presentation of projects by participants
- 18.00-19.00 General discussion

25th July Genetics and genomics of Psychiatric disorders

- 09.00-10.30 Morning lecture
Genes and psychiatry: progresses and problems
Dan Rujescu, University Clinic for Psychiatry, Psychotherapy and Psychosomatic, Martin-Luther-University Halle-Wittenberg, Halle (Germany).
- 10.30-11.30 Interactive discussion
- 15.30-17.00 Afternoon lecture
Detecting genes role for brain disorders: use of iPSC
Ginetta Collo, Department of Molecular and Translational Medicine, University of Brescia, Brescia (Italy).
- 17.00-18.00 Interactive discussion
- 18.00-19.00 General discussion

26th July Perspectives

- 09.00-10.30 Morning lecture
Pharmacogenetics in medical and neuropsychiatric disorders: similarities and differences
Ron Van Schaik, Dept. Clinical Chemistry, Erasmus University Medical Center, Rotterdam (Netherlands).
- 10.30-11.30 Interactive discussion
- 15.30-17.00 Afternoon lecture
Optogenetics
Ernst Bamberg, Max-Planck-Institute for Biophysics, Frankfurt am Main (Germany).
- 17.00-18.00 Interactive discussion
- 18.00-19.00 General discussion
Closing remarks