

Blended Intensive Program (BIP) in NEUROGENETICS

Université Paris Cité, Università degli Studi dell'Insubria and Universitat de Barcelona

Research seminars, December 9-13th 2024, Facultat de Biologia, Universitat de Barcelona

Organizers: Isabelle Becam, Dept. of Life Sciences, Université Paris Cité (France)
Elena Bossi, Dept. of Biotechnology and Life Sciences, Università degli Studi dell'Insubria (Italy)
Noèlia Fernández-Castillo, Dept. of Genetics, M & E, Universitat de Barcelona
Rooms: A15, Facultat de Biologia, Edifici Durfort, Universitat de Barcelona (Metro L3 Palau Reial)

Monday December 9th

9:00-11:00 **Dr. Giuseppe Gangarossa – Université Paris Cité**
Understanding new circuits and cell types in the regulation of energy balance and feeding behaviors
PVT neurons and satiety feeding behaviour

11:00-13:00 **Dr. Bárbara Arias – Universitat de Barcelona**
Suicidal behavior: an insight from genomics and epigenomics
Heritability polygenic score variation

13:00-14.30 **Speed dating and lunch PICA-PICA (Hall of the Margalef building)**

14.30-16.00 **Poster session (presenters: French students) (Hall of Margalef Building)**

Tuesday December 10th

9:00-11:00 **Dr. Mireya Plass – IDIBELL (Barcelona)**
Studying neurodegenerative diseases with iPSCs and single-cell transcriptomics
Parkinsons organoids (astrocyte), and Alzheimer RBP single cell RNA seq IPS cells

11:00-13:00 **Dr. Andrea Mele – Universitat de Barcelona**
On the biology of memory
Mouse

13:00-14:00 **Lunch**

14:00-16:00 **Dr. Marta Ribasés – Hospital Universitari Vall d'Hebron and Universitat de Barcelona**
Breaking mental health myths: Advances on genetics in attention-deficit hyperactivity disorder

16:00-17:00 **Poster session (presenters: French students) (Hall of Margalef Building)**

Wednesday December 11th

9:00-11:00 **Dr. Marta Vila – Hospital Universitari Vall d'Hebron**
A multidisciplinary approach to study migraine
GWAS, humanized model, Mouse, DNA methylation of cortical cells

11:00-12:00 **Dr. Elena Bossi – Università degli Studi dell'Insubria**
SLC6A1: Approaches to study mutants and their role in Neurodevelopmental Disorders

12:00-13:00 **Dr. Angela Di Lacovo – Università degli Studi dell'Insubria**
How does the LRRK2 G2019S mutation modulate neurotransmission in Parkinson's disease?
Xenopus oocyte LRRK2, electrophysiology

Thursday December 12th

9:00-11:00 **Dr. Pierre Gressens – Université Paris Cité**
Role of neuroinflammation in neurodevelopmental disorders

11:00-13:00 **Dr. Roser Corominas – Universitat de Barcelona**
Modeling early neurodevelopmental alterations in patients with 7q11.23 rearrangements

13:00-14:00 **Lunch**

14:00-16:00 **Dr. Olga Rivero – Instituto de Investigación Sanitaria INCLIVA (València) - Room A1**
Transgenic mice as a tool to study the etiology of neurodevelopmental and neuropsychiatric disorders

Friday December 13th

9:00-11:00 **Dr. Veronique Monnier – Université Paris Cité**
Drosophila models of neurodegenerative diseases

11:00-13:00 **Exam**