

EPI-AD/EURON WORKSHOP

Neuroepigenetics: a life span perspective

October 3-5, 2018

Venue: University of Barcelona, Faculty of Medicine,
Av. Feixa Llarga, s/n 08907, L'Hospitalet de Llobregat,
Barcelona, Spain

Organizers: EPI-AD consortium /
European Graduate School of Neuroscience (EURON)

Preceding the ECNP congress Oct. 6-9, 2018 (<https://2018.ecnp.eu/>)

PRELIMINARY PROGRAMME

The students will be introduced into the latest developments in these fields through interactive lectures and workshops based on specific research questions. Learning goals include the role of neuroepigenetics in psychiatric and neurodegenerative disorders, the technological approaches in epigenetic research, and techniques to examine the effect of epigenetic changes.

TOPICS

- Epigenetic regulation of brain development and aging
- Neuroepigenetics of psychiatric and neurodegenerative disorders
- Stem-cell based approaches in epigenetics research
- Epigenetic editing
- Epigenomic technologies & data analyses

Wednesday October 3rd

Venue: Hotel Eurostars Lex - C/ Buenos Aires N° 49-51 - 08902 L'Hospitalet de Llobregat, Barcelona

Room 115

19.00

Registration and Welcome / Get together - Drinks

Dr. Daniël van den Hove, Maastricht University
Introduction EPI-AD consortium / introduction into the workshop

Dr. Gunter Kenis, Maastricht University
Introduction European Graduate School of Neuroscience



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Thursday October 4th

Aularium building: Room 207

- 9.30 – 10.30 Prof. Dr. Manel Esteller, IDIBELL, Spain
Epigenetics during brain development
- 10.30 – 11.00 Participants Pitches*
- 11.00 – 11.30 **Break**
- 11.30 – 12.30 Participants Pitches
- 12.30 – 13.30 **Lunch**
- 13.30 – 14.15 Renzo Riemens, PhD student, University of Würzburg / Maastricht University
In vitro systems in neuroepigenetics research
- 14.15 – 15.00 Dr. Tim Van Mierlo, Hasselt University, Belgium
Epigenetic editing tools in neuroscience
- 15.00 – 16.00 Participants Pitches
- 16.00 – 16.30 **Break**
- 16.30 – 19.00 Interactive workshop based on a case* **
- 20.30 **GET TOGETHER AND JOINT DINNER**
Restaurante Casa Varela, Blas Fernandez Lirola, 82, 08902 L'Hospitalet de Llobregat

Friday October 5th

Aularium building: Room 108

- 9.30 – 10.30 Dr. Daniël van den Hove, Maastricht University
Epigenetics in aging and Alzheimer's disease
- 10.30 – 11.00 Dr. Katie Lunnon, University of Exeter, United Kingdom
Epigenome-wide association studies (EWAS)
- 11.00 – 11.30 Dr. Alfredo Ramirez, University of Cologne, Germany
Neuroepigenetics research using peripheral tissues; the blood as a biomarker
- 12.00 – 12.30 Sascha Jung, University of Luxembourg, Luxembourg
Bulks of epigenetics data; now what?
- 12.30 – 13.30 **Lunch**
- 13.30 – 15.30 Continuing the interactive case-workshop (**room 303, 305 and 307**)
- 15.30 – 16.00 **Break**
- 16.00 – 17.30 Plenary Presentations of the Workshops and Discussion
- 17.30 – 18.00 **Conclusion of the workshop**

