

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

19.00

Registration and Welcome

Dr. Daniël van den Hove and Dr. Gunter Kenis, Maastricht University

GET TOGETHER: DRINKS



Thursday October 4th

- 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 Dr. Raul Delgado-Morales, IDIBELL, Spain
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**

Friday October 5th

- 9.30 – 10.30 Dr. Diego Mastroeni, Arizona State University, USA
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 Prof. Dr. Antonio del Sol, University of Luxembourg, Luxembourg
Bulks of epigenetics data; now what?
- 12.30 – 13.30 **Lunch**
- 13.30 – 15.30 Continuing the interactive case-workshop
- 15.30 – 16.00 **Break**
- 16.00 – 17.30 Plenary Presentations of the Workshops and Discussion
- 17.30 – 18.00 **Conclusion of the workshop**



ORGANIZATION

EPI-AD consortium, coordinator Maastricht University <http://epi-ad.eu>
European Graduate School of Neuroscience (EURON) <http://www.euronschool.eu>

Maastricht University:

Daniel van den Hove, PhD (Coordinator EPI-AD consortium, Maastricht University)
Dr. Gunter Kenis, PhD (Director EURON)
Nicole Senden, PhD (Programme coordinator EURON / communication manager EPI-AD)

Local organization IDIBELL:

Dr. Raul Delgado-Morales, PhD (EPI-AD partner; scientific office manager at IDIBELL)

REGISTRATION AND ABSTRACT SUBMISSION:

Deadline registration and abstract submission: **Sept. 14, 2018**

Registration fee (including workshop, lunches and dinner):

EURON members / EPI-AD members: €125
External PhD students / postdocs / scientists : €175

ECTS credits:

2 ECTS
PhD candidates will get a certificate of attendance listing the credits.

MORE INFORMATION:

http://www.euronschool.eu/nieuws/128/EPI-AD/EURON_WORKSHOP_Neuroepigenetics/secr.euron@maastrichtuniversity.nl

*Participants Pitches: 5 min short presentations by each participant (excl. discussion).

Participants may choose between four variants of their pitches:

- 1) Presenting your project plan (might be relevant for PhD students in the beginning of their PhD trajectory – hypothesis, study design, etc.
- 2) Providing a project overview (hypothesis, methods, results).
- 3) Addressing a specific question or problem that you encounter in your research work.
- 4) Sharing your personal profile (might be adequate in case you are not yet enrolled in a PhD trajectory or when your study design is not yet clear).

**Interactive workshop based on a case: the case that will be presented is based on recently acquired datasets and unpublished observations. The participants will be divided in several groups. Each group will analyze, discuss and review the results from a different perspective. The groups will be moderated by the experts in the field. On the second day each group will give a presentation on their findings.

Preparation for the workshop:

- Participants have to prepare themselves by getting the basic knowledge on epigenetic regulation. Background papers to prepare will also be provided.
- All participants will have to provide an abstract. For PhD students just starting or in the beginning of their PhD trajectory an abstract including their hypothesis, study design, etcetera will be adequate).
- The participants will have to indicate the type of pitch they prefer to give.

