

Environmental Epigenetics

-From Mechanisms to Regulation-

Location: Bilbergska Huset, Örebro University, Fakultetsgatan 1, 70182 Örebro

Date: February 21-22th, 2019

Time: Thursday February 21th: 09:30 - 17:00

Friday February 22th: 8:30 - 14:00

Day One - February 21th, 2019

- 08:30 – 09:00 **Registration**
- 09:00 – 09:10 *Welcome and Introduction* - **Steffen Keiter**, MTM Research Centre, Örebro University, Sweden
- 09:10 – 09:50 *Transgenerational Epigenetic Inheritance: Past Exposure, Future Diseases* - **Carlos Guerrero Bosagna**, Department of Physics, Chemistry and Biology (IFM), Linköping University, Sweden
- 09:50 – 10:10 *Long-term and transgenerational effects in zebrafish - why do we need epigenetics information?* - **Xavier Cousin**, IFREMER, France
- 09:50 – 10:30 *Investigating the mitotic inheritance of biological effects caused by environmental chemicals in the Zebrafish Liver (ZF-L) cell line* - **Mélanie Blanc**, MTM Research Centre, Örebro University, Sweden
- 10:30 – 11:00 *Fika (Swedish coffee break)*
- 11:00 – 11:20 *Epigenetics and environmental origins of cancer* - **Zdenko Herceg**, Head, Section of Mechanisms of Carcinogenesis, Head, Epigenetics Group, International Agency for Research on Cancer (IARC), 150 Cours Albert Thomas, F-69008, Lyon, France
- 11:20 – 12:00 *Current approaches to analysing (environmental) epigenetics data* - **Philipp Antczak**, Institute of Integrative Biology, University of Liverpool, UK
- 12:00 – 13:00 *Lunch*
- 13:00 – 13:20 *Epigenetic changes as biomarkers for EDC (mixture) exposures and adverse health outcomes* - **Joëlle Rüegg**, Karolinska Institutet, Stockholm, Sweden

13:20 – 13:50	<i>Epigenetic effects of environmental stress in zebrafish</i> - Jorke Kamstra , Institute for Risk Assessment Sciences (IRAS), Utrecht University, Netherlands
13:50 – 14:10	<i>Epigenetic mechanisms as drivers for environmental stress response, a case study with daphnia</i> - Jana Asselman , Department of Animal Sciences and Aquatic Ecology, Ghent University, Belgium
14:10 – 14:30	<i>Epigenetic research for understanding toxicity of environmental contaminants</i> - Oskar Karlsson , SciLifeLab, Department of Environmental Science and Analytical Chemistry, Stockholm University, Sweden
14:30 – 15:00	<i>Fika (Swedish coffee break)</i>
15:00 – 15:40	Enhancing systematic review and evidence mapping with shared ontologies and semantic matching; an example from epigenetic research - Michelle Angrish , US Environmental Protection Agency (EPA)
15:40 – 16:20	<i>Potential regulatory applications of epigenetics: how can we improve the epigenetic data quality needed for regulatory purposes?</i> - Miriam Jacobs ,
16:20 – 16:50	<i>Future directions in environmental epigenetics</i> - Juliette Legler , Institute for Risk Assessment Sciences (IRAS), Utrecht University, Netherlands
16:50 – 17:00	Wrap up first day
18:00 – ...	Drinks and dinner at the Castle of Örebro

Day Two - February 22th, 2018

08:30 – 08:45	Briefing and Dividing in discussion groups
08:45 – 12:30	<ol style="list-style-type: none"> 1. Epigenetics in Regulation and AOPs, Miriam + Michelle 2. Test approaches and Biomarkers - pros and cons, Jorke + Steffen 3. When is an epigenetic change adverse? Joelle 4. High content techniques and bioinformatics, Xavier + Philip
12:30 – 13:30	<i>Lunch</i>
13:30 – 14:00	Short summaries of the Discussion groups (each 5 min) and final remarks

Additional information

Location

The Workshop takes place in Lecture Hall B in Bilbergsska Huset on Campus Örebro

Hotel

We recommend that you stay at:

Elite Stora Hotellet Örebro, Drottninggatan 1, 701 45 Örebro, info.orebro@elite.se

The rooms are kept until January 10th. After that, rooms can be booked if available.

First Hotel Örebro, Storgatan 24, 703 61 Örebro, boka@hotellorebro.se

The rooms are kept until January 20th. After that, rooms can be booked if available.

Lunch and Dinner

One both days lunch will be served (included in the registration fee).

A dinner will be organized at Örebro castle located in the city centre (included in the registration fee).

Travel to the campus from the main station

By bus 2 and 3 (Brickebacken), 9, 10 and 20 (University)

Contact

Practical questions and questions about the registration are answered by the event officer Ulrika Franzén: ulrika.franzen@oru.se or +46 19 303070.

Questions about the conference content are answered by Steffen Keiter: steffen.keiter@oru.se or +46 19 303604.