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  *Epigenetic effects of environmental stress in zebrafish* - Jorke Kamstra, Institute for Risk Assessment Sciences (IRAS), Utrecht University, Netherlands

13:50 – 14:10  *Epigenetic mechanisms as drivers for environmental stress response, a case study with daphnia* - Jana Asselman, Department of Animal Sciences and Aquatic Ecology, Ghent University, Belgium

14:10 – 14:30  *Epigenetic research for understanding toxicity of environmental contaminants* - Oskar Karlsson, SciLifeLab, Department of Environmental Science and Analytical Chemistry, Stockholm University, Sweden

14:30 – 15:00  *Fika (Swedish coffee break)*

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  *Potential regulatory applications of epigenetics: how can we improve the epigenetic data quality needed for regulatory purposes?* - Miriam Jacobs,

16:20 – 16:50  *Future directions in environmental epigenetics* - 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

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**Day Two - February 22th, 2018**

08:30 – 08:45  Briefing and Dividing in discussion groups

08:45 – 12:30  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  *Lunch*

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 Bilbergska 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.