

Program post graduate course “Epigenetics in reproduction”, November 12-15, 2018

SLU Campus, Ulls väg 26, Uppsala, VHC building, Room Ratatosk

Monday 12th of November

8.30 – 9.00 Registration

9.00 – 9.15 **Introduction**

Ylva Sjunnesson, Swedish University of Agricultural Sciences, Sweden.

9.15 – 10.00 **Basic cell biology**

Anneli Stavréus-Evers, Uppsala University, Sweden

10.00 – 10.30 COFFEE

10.30 – 11.15 **Basic genomics**

Göran Andersson, Swedish University of Agricultural Sciences, Sweden.

11.15 – 11.25 Break

11.25 – 12.00 **Introduction to epigenetics**

Poul Hyttel, University of Copenhagen, Denmark.

12.00 – 13.00 **LUNCH**

13.00 – 13.45 **Introduction to epigenetics cont.**

13.45 – 14.00 Break

14.00 – 15.00 **Student presentations (Theodora Kunovac Kallak)**

15.00 – 15.30 COFFEE and group discussions

15.30 – 16.15 **Methodologies in epigenetics**

Åsa Johansson, Uppsala University, Sweden.

16.15 – 16.25 Break

16.25 – 17.00 **Methodologies in epigenetics cont.**

17.00 **Get-together reception in the VHC building (light snacks)**

Tuesday 13th of November

09.00 – 09.45 **Epigenetics from a reproductive perspective**

Christine Wrenzycki, Justus-Liebig-Universität Gießen, Germany.

9.45 – 10.15 COFFEE

10.15 – 11.00 **Epigenetics from a reproductive perspective cont.**

11.00 – 11.15 Break

11.15 – 12.00 **Epigenetics and gametes.**

Marc- André Sirard, Université Laval, Canada.

12.00 – 13.00 **LUNCH**

13.00 – 13.45 **Epigenetics and gametes cont.**

14.00 – 15.00 **Student presentations (Ylva Sjunnesson)**

15.00 – 15.30 COFFEE and group discussions

15.30 – 15.45 **Epigenetic mechanisms involved in embryo development**

Nathalie Beaujean Bobineau, French National Institute for Agricultural Research,
France.

15.45– 16.00 Break

16.00 – 16.45 **Epigenetic mechanisms involved in embryo development cont.**

17.45 – 18.45 **Social event: tour of the Uppsala modern art museum in the Castle (Drottning
Christinas väg 1E)**

19.00 Course dinner in Kitchen and Table (Dragarbrunnsgatan 23). Deadline to sign up: 2nd
of November (to ylva.sjunnesson@slu.se)

Wednesday 14th of November

- 09.00 – 09.45 **Stem cell pluripotency**
Poul Hyttel, University of Copenhagen, Denmark.
- 09.45 – 10.00 COFFEE
- 10.00 – 11.00 **Using epigenetic to explore the early embryo environment**
Marc- André Sirard, Université Laval, Canada.
- 11.00 – 11.15 Break
- 11.15 – 12.00 **Reproductive toxicology and epigenetics**
Joelle Rüegg and Pauliina Damdimopoulou, Karolinska Institutet, Sweden.
- 12.00 – 13.00 **LUNCH**
- 13.00 – 14.00 **Student presentations (Anneli Stavréus-Evers)**
- 14.00 – 14.30 COFFEE and group discussions
- 14.30 – 15.30 **The Dutch Winter Famine**
L.H. Lumey, Columbia University Medical Center.
- 15.30 – 15.45 Break
- 15.45 – 16.30 **How SLUBI and NBIS can help you with your bioinformatics needs**
Juliette Hayer. Coordinator of the SLU Bioinformatics Infrastructure (SLUBI)
Uppsala, Sweden and Henrik Lantz NBIS/SciLifeLab, Uppsala

Thursday 15th of November

- 09.00 – 09.45 **Environmentally-induced transgenerational epigenetic effects and consequences on Reproduction**
Carlos Guerrero-Bosagna, Linköping University, Sweden
- 09.45 – 10.15 COFFEE
- 10.15 – 12.00 **Ethics in assisted reproduction and epigenetics Workshop**
Olle Torpman, SLU and Stockholm University
- 12.00 – 13.00 **LUNCH**
- 13.00 – 14.00 **Student presentations (Göran Andersson)**
- 14.00 – 14.30 COFFEE and group discussions
- 14.30 – 15.15 **Cloning and epigenetics**
William A. Ritchie, Fellowship Royal Society of Biology, United Kingdom.
- 15.15 – 15.25 Break
- 15.25 – 15.45 **Course summary and evaluation, Diploma**
- 15.45 – 16.30 Tour of the VHC building for those who are interested (please contact Ylva Sjunnesson if you want to join the tour)