

Centre for Systems Neurobiology

(LiU-Neuro)

Linköping University

Neuroretreat 2017

Hooks Herrgård 25 - 27 October



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UNIVERSITY

Wednesday 25 October

8:30 Departure, Bus, US

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10:45 Arriving Hooks Herrgård

Coffee (we can't check in until 15:00)

11:30 **Presentation LiU-Neuro.** Prof. Anders Blomqvist (Chairman of LiU Neuro, IKE, LiU)

Pain

11:45 **Introduction** Prof. Jonas Broman (IKE, LiU)

12:15 **Investigating the affective component of pain using transgenic mice.**
Ass. Prof. David Engblom (IKE, LiU)

13:00 Lunch

14:00 **Neuronal circuitry for pain and itch processing in the dorsal horn** Prof. Andrew Todd (Institute of Neuroscience & Psychology, University Of Glasgow, UK)

14:45 **Encoding and scaling pain through defined cell types** Prof. Patrik Ernfors (Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Sweden)

15:30 Coffee Time to check in.

16:00 **Pain and central sensitization: differential nociceptive input** Prof. Martin Schmelz (Department of Anesthesiology University of Heidelberg)

16:45 **Human vs animal models. Discussion** (Anders Blomqvist)

19:00 Dinner

Thursday 26 October

7:00 Breakfast

Endocannabinoids

9:00 ***Deciphering neural circuits to develop new anti-anxiety medications: a FAAH out example***, Senior Investigator Andrew Holmes (Laboratory of Behavioral and Genomic Neuroscience, NIH, USA)

10:00 Coffee

10:30 ***Taking a FAAH inhibitor from bench to bedside and all the steps in between***. Zoe Hughes, Pfizer

11:30 ***Protective effects of fatty acid amide hydrolase FAAH C385A functional gene variation***, NIH Leah Mayo, CSAN

12:15 Lunch

13:30 Short presentation

13:30-17 Posters

18:30 ***Relapse after voluntary abstinence: behavioral and neurobiological mechanisms*** Ph.D., Senior Investigator Yavin Shaham, (NIDA IRP, NIH, Baltimore, USA)

20:00 Dinner

Friday 27 October

7:00 Breakfast

New Psychoactive Substance (NPS) abuse - a societal problem for
Molecular Neuros

9:00 **Background and a general presentation of the NPS activities.** Assoc.
Prof. Johan Dalén, and Prof. Peter Konradsson (Organic chemistry, LiU)

9.20 **New psychoactive substances - Prevalence, metabolism, toxicity and
receptor activation.** Assoc. Prof. Henrik Green (National Board of
Forensic Medicine and Clinical Pharmacology, LiU) Dr. Svante Vikingsson
(National Board of Forensic Medicine and Clinical Pharmacology, LiU) Dr.
Ariane Wohlfarth (National Board of Forensic Medicine)

10.20 **Synthesis and Characterization of Potential Metabolites of NPS.** Jakob
Wallgren (Organic chemistry, LiU)

10:40 Coffee

11:15 **Neuropharmacology of novel synthetic stimulants: ring-substituted
cathinones and beyond.** Dr. Michael Baumann (NIDA IRP, NIH, Baltimore,
USA)

12:15 Lunch

13:15 Leaving Hook