

Centre for Systems Neurobiology

Linköping University

Neuroretreat 2019

at

Hooks Herrgård 2 - 4 October



li.u LINKÖPING
UNIVERSITY

Neuroretreat Hooks Herrgård 2019

Wednesday 2 October

9:30 Departure, Bus, US. Sjukhusvägen, next to Södra Entrén

9:45 Departure, Bus, Valla. Next to Kårallen

11:30 Lunch

Hearing

13:00 **Anders Fridberger**, LiU. Introduction.

13:20 **Stefan Stenfelt**, LiU. *Cross-talk cancellation for improved binaural hearing.*

14:05 **Jennifer Linden**, University College, UK. *The Sound of Time: Neural Mechanisms of Temporal Processing in the Central Auditory System.*

14:50 Coffee. Checking in.

15:15 **Jerker Rönnberg**, LiU. *Cognitive Hearing Science: Three memory systems, two approaches, and one model.*

18:00 Poster Bullets: Short presentation of Posters.

18:30 Plenary lecture

Markus Heilig, LiU. *Deconstructing alcohol addiction: From behavior to molecules and back.*

19:45 Dinner

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Thursday 3 October

7:00 Breakfast

Neurocircuits and behavior

8:30 **David Engblom**, LiU. Introduction

8:50 **Klas Kullander**, Uppsala. *Inhibitory interneurons next to principal cells - what do they do.*

9:35 **Christian Broberger**, KI. *Daddy issues: Neuronal network regulation of paternal behaviour.*

10:20 Coffee

10:50 **Johan Jakobsson**, Lund. *Transposable elements and the human brain.*

11:35 **Clifford Kentros**, Kavli Institute for Systems Neuroscience and Centre for Neural Computation, NTNU, Trondheim. *Investigating the Neural Circuitry of Memory Via Enhancer-Driven Gene Expression (EDGE).*

12:30 Lunch

13:30 Poster session

15:30 Spa

Plenary lecture

18:30 **Yavin Shaham**, Behavioral Neuroscience Branch, IRP-NIDA, NIH. *Reverse-Translational Models of Drug Relapse: Behavior, Pharmacology, Circuits, and Implications for Treatment.*

20:00 Dinner

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Friday 4 October

7:00 Breakfast

Neuro-plasticity and neuro-modulation

9:00 **Magnus Thordstein**, LiU. Introduction

9:20 **Ulf Ziemann**, Universität Tübingen. *Brain-state dependent excitability and plasticity in human motor cortex.*

10:05 Coffee

10:30 **Risto Ilmoniemi**, Aalto, Finland. *Advances in TMS technology for clinical diagnostics and treatment.*

11:15 **Alexander Rotenberg**, Harvard Medical School, Boston. *Optimizing pathway engagement by drug-device combination.*

12:00 Lunch

13:00 Departure, Bus back to Linköping