

Centre for Systems Neurobiology

(LiU-Neuro)

Linköping University

Neuroretreat 2018

Vadstena Klosterhotell 11-12 October



li.u LINKÖPING
UNIVERSITY

Thursday 11 October

- 8:00 Departure, Bus, US
- 8:15 Departure, Bus, Valla
- 9:15 Arriving Vadstena Klosterhotell
- Coffee (we can't check in until 15:00)

Neurodegenerative diseases

- 9:45 **Introduction.** Martin Hallbeck, LiU
- 10:00 **Interactive pathological processes in Alzheimer's disease and other proteinopathies as revealed by PET imaging.** Agneta Nordberg, KI
- 10:40 **Fluid biomarkers for neurodegenerative diseases - an update** Lotta Agholme, Göteborg
- 11:20 **How does disease make our genes turn blue.** Walker Jackson, LiU
- 12:15 Lunch

Sensorimotor integration

- 13:15 **Introduction.** Håkan Olausson, LiU
- 13:30 **Tactile sensing during object manipulation.** Roland Johansson, Umeå
- 14:10 **New concepts in haptic processing challenging our current understanding of neocortical processing.** Henrik Jörntell, Lund
- 14:55 Coffee Time to check in
- 16:00 **The neuroscience and phenomenology of severe somatic sensory loss.** Jonathan Cole, Poole Hospital, UK
- 16:40 **Synaptic mechanisms in mammalian touch reception.** Ellen Lumpkin
Columbia University, US
- 17:20- Leisure time
- 18:45 **Function and malfunction of mammalian prions.** Adriano Aguzzi,
University Hospital Zurich
- 20:00 Dinner

Friday 12 October

7:00 Breakfast

Learning

8:45 **Introduction.** David Engblom, LiU

9:00 **Synaptic mechanisms underlying learning.** Eric Hanse, Göteborg

9:40 **A circuit model of addiction: cellular mechanisms and therapeutic implications.** Christian Lüscher, University of Geneva

10:20 Coffee

10:50 **Cognitive development and plasticity- brain and genes.** Torkel Klingberg, KI

11:30 **Predictions and learning - a systems perspective.** Martin Ingvar, KI

12:30 Lunch

13:30 Leaving Vadstena

The time for the talks includes 10 min of discussion.