



Center for Systems Neurobiology Retreat Söderköpings Brunn May 11th – 12th 2023

Day 1 – Thursday May 11th

8:00 Bus leaves Campus Valla
8:15 Bus leaves Campus US
9:00 Arrival at Söderköpings Brunn – Coffee and sandwich

9:30 Anders Blomqvist, Linköping University: Welcome

Theme 1: Stem cells and organoids. Chair: Dan Lindholm

09:40 **Anna Falk**, Lund University, Sweden
Using iPSC to study the human brain development in health and disease

10:20 **Benedikt Berninger**, King's College London, UK:
Engineering new neurons by direct lineage reprogramming in vivo: Facing the challenges of maturation and survival

11:00 Break

11:20 **Carl Sellgren Majkowitz**, Karolinska Institute, Sweden:
Building organoid models of neurodevelopmental disorder

Theme 2: Neurodegeneration. Chair: Per Hammarström

12:00 **Zane Jaunmuktane**, University College London, UK:
Evidence for iatrogenic transmission of amyloid-beta

12:40 Lunch

14:00 **Nathalie van den Berge**, Aarhus University, Denmark:
Alpha-synuclein strain variability in Parkinson's disease subtypes

14:40 **Pertti Panula**, University of Helsinki, Finland:
The brain histamine system in Alzheimer's disease and Parkinson's disease

15:20 Coffee

15:50 **Adriano Aguzzi**, University of Zürich, Switzerland:
The molecular basis of prion diseases

17:00 Check-In

Evening lecture. Chair: Markus Heilig

19:00 **Yavin Shaham**, NIDA, NIH, USA:
Animal models of relapse after voluntary abstinence: Behavior and circuits

20:15 Dinner

Day 2 – Friday May 12th

Breakfast and Check-Out

Theme 3: Brain-Body-Connection. Chair: Rebecca Böhme

9:00 **Dorothy Cowie**, Durham University, UK:
Development and the Bodily Self

9:40 **Patrick Haggard**, University College London, UK:
Self-touch behaviours: spatial perception and bodily self

10:20 Coffee

10:50 **Esther Kühn**, Hertie-Institut für klinische Hirnforschung, Tübingen, Germany:
Body Representations in the Aging Cortex - What changes and what remains the same?

11:30 Panel discussion: **Dorothy Cowie, Patrick Haggard, and Esther Kühn**

12:00 Lunch

13:15 Bus leaves Söderköpings Brunn

