



# SEGERFALK MINISYMPOSIUM

## May 8th, 2019

# Neural reprogramming and disease modeling

sponsored by the Segerfalk Foundation  
*Place: LUX Lecture Hall, Helgonavägen 3, Lund*

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|---------------|--|
| 09.00 – 09.30 | Registration<br>Mandatory for all participants   |
| 09.30 – 09.35 | Welcome address<br>Henrik Ahlenius & Johan Jakobsson<br><br><i>Session chair: Daniella Ottosson</i>  |
| 09.35 – 10.15 | Jerome Mertens<br><i>University of Innsbruck, Austria and Staff Scientist at Salk Institute, San Diego, USA</i><br><b>Next-generation human neural reprogramming to study aging and sporadic Alzheimer's Disease</b> |
| 10.15 – 10.35 | Short presentation # 1: Karolina Piracs<br><i>Molecular Neurogenetics lab, BMC A11</i><br><b>Modelling impaired autophagy in induced neurons derived from patients with HD</b>                                       |
| 10.35 – 10.50 | <i>Coffee break</i>  |

- 10.50 – 11.30  
Moritz Mall  
*German Cancer Research Center and Hector Institute for Translational Brain Research, Heidelberg, Germany*  
**Ensuring neuronal identity during development and reprogramming**
- 11.30 – 11.50  
Short presentation # 2: Janelle Drouin-Ouellet  
Montreal University, Faculty of Pharmacy  
**Direct neural reprogramming of patient skin fibroblasts to study idiopathic Parkinson's disease**
- 11.50 – 13.00  
*Lunch break (provided for registered participants)*  
  
*Session chair: Karolina Pircs*
- 13.00 – 13.40  
Eva Hedlund  
*Department of Neuroscience Karolinska Institute, Stockholm, Sweden*  
**Unraveling fundamental aspects of motor neuron biology in health and ALS using Axon-seq and single cell RNA sequencing**
- 13.40 – 14.20  
Short presentation # 3: Isaac Canals  
Stem Cells, Aging and Neurodegeneration Group, Lund Stem Cell Center  
**Generation of human mature astrocytes to model neurological disorders**  
  
Short presentation # 4: Daniella Ottosson  
Regenerative Neurophysiology, Lund Stem Cell Center  
**Direct Reprogramming of glial cells into interneurons**
- 14.20 – 15.00  
*Coffee break*  
  
*Session chair: Isaac Canals*
- 15.00 – 15.40  
Volker Busskamp  
*Center for Regenerative Therapies Technical University of Dresden, Germany*  
**Engineering neuronal cell types from human stem cells**
- 15.40 – 16.20  
Silvia Cappello  
*Max Planck Institute of Psychiatry, Munich, Germany*  
**Mechanisms regulating human neuronal migration**
- 16.20 – 16.35  
Questions, discussion & concluding remarks