

Swebags Conference 2024

December 5th, (all times CET)

Programme:

09:00—Keynote lecture: Wolf-Julian Neumann

Professor of Psychology and Neuroscience, Professor in Neurobiology, Charité – Universitätsmedizin Berlin.

“Shared network mechanisms of dopamine and deep brain stimulation for the treatment of Parkinson’s disease: From modulation of oscillatory cortex – basal ganglia communication to intelligent clinical brain computer interfaces.”

09:30—Session 1

- Validation of an automated subcortical parcellation algorithm in a population-based cohort of patients with Parkinson’s disease, Gylderud Kvålsgard, I. et al.
- Neurophysiological treatment effects of mesdopetam, pimavanserin and amantadine in a rodent model of levodopa-induced dyskinesia, Ronaghi, A. et al.
- Stress, a gateway to Parkinson Disease, Dautan, D. et al.

10:30 BREAK

10:45 Session 2

- Arky pallidal neurons in the external globus pallidus can mediate inhibitory control by altering competition in the striatum, Giossi, C. et al.
- Functional consequences of fast-spiking interneurons in striatum, Guo, L. et al.

11:25 Session 3

- A synaptic locus of song learning, Schreiner, D. C. et al.

11:45 BREAK

12:30 Poster Session A

13:15 Poster Session B

14:00 Keynote lecture: Emanuela Santini

Assistant Professor, Karolinska Institute

“The involvement of the striatum in autism spectrum disorder”

14:30 Session 4

- Synchronous activation of striatal cholinergic interneurons induces local monoamine release that is elevated in hypercholinergic Sapap3^{-/-} mouse, Matityahu, L. et al.
- Alterations of amygdala-midbrain circuit function by adolescent stress promote punishment-resistant reward-seeking, Nadel, J. et al.

15:10 BREAK

15:25 Session 5

- Basal ganglia output control of caudal PPN, Sitzia, G. et al.
- Bilateral chemogenetic activation of Intratelencephalic Neurons in Motor Cortex Reduces Spontaneous Locomotor Activity in Mice, Atudorei, M. et al.

16:05 Keynote lecture: Henry Yin

Professor of Psychology and Neuroscience, Professor in Neurobiology, Duke University

“The basal ganglia in action”

