



UMEÅ JUNE 16-17 2026
MIMERSALEN, ELITE HOTEL MIMER

TUESDAY JUNE 16

08.30 - 09.00 Fika and Registration

09.00 - 09.15 Welcome - Katrine Riklund, President UFBI board

09.15 - 10.15 Plenary Session 1 - Moderator Katrine Riklund

Odor processing in the human olfactory bulb.
Johan Lundström, Karolinska Institutet

Exploring Sensory Gamma Stimulation for Alzheimer's and Neuroprotective Strategies.
Li-Huei Tsai, Massachusetts Institute of Technology

10.15 - 10.45 Fika [Restaurant, ground floor]

10.45 - 11.45 Featured Research Session 1 - Moderator Micael Andersson

The Role of Dopamine and Brain Functional Dynamics in Aging. **Alireza Salami, UFBI**

Causes and consequences of aging-related dopaminergic losses. **Nina Karalija, UFBI**

Dopamine D1 and D2 receptors dissociate working and episodic memory in large-scale human networks. **Lars Stiernman, UFBI**

11.45 - 13.00 Lunch [Restaurant, ground floor]

13.00 - 13.30 Mini-concert

13.30 - 14.30 Plenary Session 2 - Moderator Emma Rodrigues

Maintaining exceptional memory function into your eighties: the secrets of Superaging.
Bryan Strange, Universidad Politécnica de Madrid

DunedinPACNI: A Next Generation Brain Clock.
Maxwell Elliott, University of Minnesota

14.30 - 14.45 Mini-Information Session

Animal MRI Infrastructure. **Ana Virel, Dep. for Medical and Translational Biology, UMU**

14.45 - 15.30 Poster Talks* - Moderator Anders Lundquist

15.30 - 17.00 Fika + Poster Session + fNIRs + DataZ demo [Björken + Nävern + Gläntan, floor 1]

18.30 Dinner (invitation only) at Nór [Storgatan 36]

WEDNESDAY JUNE 17

08.45 - 09.25 **Welcome Fika**

09.25 - 09.35 **Opening Remarks - Anders Wåhlin**

09.35 - 10.35 **Featured Research Session 2** - Moderator Anders Wåhlin

Blood Pressure and Cerebral Blood Flow: Can Systemic BP Serve as a Reliable Surrogate Marker? **Laleh Zarrinkoob, UFBI**

Cognitive Dysfunction in COPD: Prevalence, Impact and Treatment. **Andre Nyberg, UFBI**

Assessment of glymphatic function in normal pressure hydrocephalus.
Anders Eklund, UFBI

10.35 - 10.45 **Bone-Stretcher**

10.45 - 11.45 **Plenary Session 3** - Moderator Filip Grill

Brain image processing of neurovascular disease for routine clinical examinations.
Maria Valdés Hernandez, University of Edinburgh

To integrate or not to integrate: Solving the binding problem in a multisensory world
Ufa Noppeney, Radboud University

11.45 - 13.00 **Lunch** [Restaurant, ground floor]

13.00 - 14.30 **Featured Research Session 3** - Moderator Sara Pudas

New approaches to studying consciousness in the brain.
Johan Eriksson, UFBI

An Integrated Perspective on Human Judgment.
Linnea Wirebring, UFBI

Atypical brain activity in autistic adults during observation preparation and observation of sequential manual actions.
Erik Domellöf, UFBI

Neurocognitive effects of individualized active learning with retrieval practice.
Sara Stillesjö, UFBI

14.30 - 15.00 **Fika** [Restaurant, ground floor]

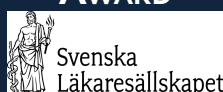
15.00 - 15.30 **Plenary Session 4** - Moderator Afroditi Lalou

Rethinking autism in women and girls: insights from cognitive neuroscience.
Gina Rippon, Aston University

15.30 - 15.45 **Closing Remarks - Lars Nyberg**

This event is supported by

THE BENGT WINBLAD
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*POSTERS TALKS

- 01 Yacila I. Deza-Lougovski** - Immune modifiers of brain white-matter integrity in ApoE- ϵ 4 carriers.
- 02 Pontus Söderström** - Inducing Low-Frequency CSF Flow Oscillations Through Controlled Hypercapnia Modulation.
- 03 Ana Virel** - Hypertension and dopaminergic degeneration in aging: Insights from a multimodal, longitudinal imaging study in spontaneously hypertensive rats.
- 04 Sofi Levik Sandström** - Exercise-induced working memory gains – who responds and why?
- 05 Tetiana Gorbach** - A comparison of missing data approaches for linear regression with missing not at random outcome and predictors.
- 06 Vanessa Messinger** - Does cerebral small-vessel disease progression modulate dopamine decline rates in aging?
- 07 Marta García Huescar** - Adaptive Hippocampal and Enhanced Midbrain Function Underlie Superior Memory in Superagers.
- 08 Sofia Latgé Tovar Costa** - What makes superagers exceptional? Structural and diffusion brain correlates of superior memory aging.
- 09 Lena Lindström** - Mapping out the neural correlates of consciousness at the intersection between consciousness and attention.
- 10 Katharina Roscher** - Age and Dopamine D1 receptor availability relate to distinct patterns of task-evoked brain activation.
- 11 Andreas Johansson** - Brain engagement during planning and execution of a sequential manual task in autistic and neurotypical adults: an fMRI study
- 12 Filip Grill** - Multitracer PET Reveals Distinct Spatial Modes of Striatal Dopamine Organization: preliminary data from the DOPAGE study.
- 13 Emilija Romić** - APOE ϵ 4 Modulates the Cognitive Impact of Genetically Predicted Chronic Inflammation: Evidence from Two Swedish Cohorts.
- 14 Felix Thiel** - Vocabulary learning as its own reward.
- 15 Liucija Vaisvilaite** - Too little or too much? Sleep duration, dopamine, and cognition across the adult lifespan.
- 16 Erik Lundgren** - Longitudinal associations between aging-related striatal dopamine D2 receptor decline and increases in response caution in perceptual speed tasks.
- 17 Emma Rodrigues** - Functional Neural Signatures of SuperAging Emerge Decades Before Structural Divergence
- 18 Hsing-Fen Tu** - Retrieval practice and prior knowledge in vocabulary learning: Preliminary findings from an fMRI study.

