

„We need all kinds of people doing science“

May-Britt Moser
Neuroscientist &
Nobel Prize
Laureate 2014



Foto: Robin Ritter

Hubbrücke in Magdeburg:
"On from here and ever forwards"

Invasive Neurology & Neuroscience

Symposium at the Leibniz Institute
for Neurobiology in Magdeburg

Ebbinghaus lecture hall

November 12th 2024

Program

9:00 Opening

9:05 Welcome

Stefan Remy
Managing Director of the Leibniz
Institute for Neurobiology

Hans-Jochen Heinze
Chairman of the Executive Board
& Medical Director of Magdeburg
University Hospital

Stefanie Schreiber
Acting Director of the University
Department of Neurology

Functional Neurosurgery

9:30 Lars Büntjen
*Neuromodulation – Therapies for
Patients & Opportunities for
Neuroscience*

Invasive Neurology & Sensorimotor Function

9:50 Catherine M. Sweeney-Reed
*Engagement of the ventrointermediate
nucleus of the thalamus in motor
sequence learning*

10:10 Max-Philipp Stenner
*Cerebello-Thalamo-Cortical Circuit
Function for Human Learning*

10:30 Matthias Deliano
*Beyond the Sweet Spot of Clinical
Neuromodulation: From Local Excitation
to Changes in the Brain-Body Network
Dynamics*

10:50 Coffee break

Invasive Neurology & Cognition

11:00 Friedhelm C. Schmitt
*Invasive Neurology in Epileptology:
From the Past to the Future*

11:20 Davide Ciliberti
*Studying Human Cognition with Single-
Neuron Recordings and Closed-Loop
Electrical Stimulation*

11:40 Catherine M. Sweeney-Reed
*An active role for the anterior nuclei of
the thalamus in episodic memory
formation*

12:00 Lunch break

12:30 Tino Zähle

*Entering the Second Decade of
Invasive Electrophysiology in
Magdeburg*

12:50 Stefan Dürschmid

*Impact of Human Brain State
Changes on Cognitive Function*

13:10 Thomas Nickl-Jokschat

*The Role of Deep Brain
Stimulation in Psychiatry*

13:30 Concluding remarks

Organisation committee

Catherine M. Sweeney-Reed
catherine.sweeney-reed@ med.ovgu.de

Friedhelm C. Schmitt
fc.schmitt@ med.ovgu.de

Lars Büntjen
lars.buentjen@med.ovgu.de

Matthias Deliano
deliano@lin-magdeburg.de

Max-Philipp Stenner
max-philipp.stenner@lin-magdeburg.de

We thank the LIN and the State of Saxony-
Anhalt for their support