MINI-SYMPOSIUM

NEMO-TMS

PROGRAM

IMBIT NEXUS LAB, GEORGES-KÖHLER-ALLEE 201

TUESDAY, February 28, 2023

2.00 pm *Welcome*

2.05 pm **rTMS-induced synaptic plasticity: from mice to humans**
Andreas Vlachos
University of Freiburg

2.30 pm **Neuronal calcium dynamics induced by rTMS**
Gillian Queisser
Temple University, Philadelphia

2.55 pm **Multi-scale modeling of synaptic plasticity induced by rTMS in neuronal dendrites**
Peter Jedlicka
University of Giessen

3.20 pm **A computer model for the effect of transcranial brain stimulation**
Stefan Rotter
University of Freiburg

3.45 pm *Coffee break (20min)*

4.05 pm ***Towards individual dose control for TMS using computational models***
Alexander Opitz
University of Minnesota

4.30 pm **Personalized multi-scale brain modeling**
Petra Ritter
Charité University Hospital Berlin

4.55 pm *Coffee break (15 min)*

5.10 pm **Short-term plasticity in neuronal networks for cognition – insights from neurostimulation and neuroimaging**
Gesa Hartwigsen
Leipzig University & Max Planck Institute for Human Cognitive and Brain Sciences

5.35 pm **The interplay between executive control, behavioral variability and mind wandering: Insights from brain-stimulation studies**
Matthias Mittner
University of Tromsø

6.00 pm *End*

NEUROANATOMIE FREIBURG

NIH National Institutes of Health

Bundesministerium für Bildung und Forschung

UNI FREIBURG