

12th International Symposium on nTMS in Neurosurgery and Neuromodulation



Felleshus, Berlin, Germany

16-17 December, 2022

2nd Announcement & Preliminary Programme

Registration: <https://en.xing-events.com/nTMS-symposium>

Abstract submission: <https://portal.smart-abstract.com/ntms-symposium>

For more information, contact: ntmssymposium@gmail.com

The deadline for submissions is October 31.



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Friday, December 16

Registration begins at 12:00 pm CET, official program begins at 12:30 pm CET

Welcoming words

Connectivity & Navigating TMS

- Petra Ritter The Virtual Brain – Simulating Brain Stimulation
- Dani Smith Bassett Understanding brain network modulation
- Thomas Picht Clinical Network Neuroscience - pairing Tractography with TMS
- Lucius Fekonja Decreased ipsilesional structural connectivity in glioma patients
- Boshra Shams The local and global effect of gliomas on structural connectivity using machine learning
- Nolan Williams Latest Update on Neuroscience-Informed TMS Protocols: current and future approaches (pre-recorded talk)

Epilepsy & Paediatrics

- Ulrich-Wilhelm The value and challenges of TMS in Pediatric Neurosurgery
Thomale
- Melissa Tsuboyama Presurgical functional brain mapping using nTMS: expanding applications and lessons learned in children

Pre-surgical Mapping

- Sandro Krieg From diagnostics to function-guided neuro-oncology
- Bernhard Meyer Getting away from awake surgery after 12 years of nTMS
- Francesco Vergani Pre-surgical motor mapping as a signature for tumor grading
- Sujit Prabhu nTMS generated DTI tracts to optimize surgical resections of intrinsic brain tumors
- Sarah Prinsloo Validation of nTMS for Eloquent Tumor resections- MD Anderson experience and a pilot study
- Stephanie E. Combs Towards function-guided radiotherapy
- Tizian Rosenstock AI based automated risk assessment in brain tumour surgery
Panel discussion about nTMS language mapping
- Nolan Williams Q&A session: Latest Update on Neuroscience-Informed TMS Protocols: current and future approaches (speaker joins remotely)

Networking Dinner

Saturday, December 17

TMS-EEG

- Marcello Massimini TMS-EEG: a window on cortical circuits in disorders of consciousness and stroke
- Silvia Casarotto & Mario Rosanova TMS-EEG live demonstration: How to measure genuine brain responses with TMS-EEG (navigated TMS & EEG interface)
- Pantelis Lioumis nTMS-EEG mapping of different cortical networks

Neuromodulation

- Benjamin Bardel French Experience of using rTMS for pain therapy in clinical practice (Team Prof. Lefaucheur)
- Joshua Kuluva Treating comorbid depression and pain with TMS
- Jarmo Laine Over 400 patients with depression treated with nTMS: Latest outcomes
- Lunch Break*
- Sebastian Ille Pioneering rTMS therapy in neurosurgery: a randomized double blinded trial
- Speakers to be confirmed Post-operative rehabilitation (experiences from different centers)
- Melina Engelhardt Neuromodulation in brain tumor patients
- Anastasia Shulga Neurological motor rehabilitation - current status and latest protocol developments of spinal cord injury patients' rehabilitation with PAS
- More speakers to be confirmed based on abstract submission
- Best Abstract Awards & Closing of the Symposium

The Symposium ends at 2:30 pm CET