



# **11th International Symposium on nTMS in Neurosurgery and Neuromodulation**

**November 8-9, 2019**

**Berlin**

## Dear Colleagues,

It is our pleasure to invite you to Berlin for the 11th International Symposium on nTMS in Neurosurgery and Neuromodulation.

This year's invited keynote speaker:  
Michael Fox, MD, Associate Professor of Neurology at Harvard Medical School

## Registration

Please complete your registration at [www.xing-events.com/ntmssymposium](http://www.xing-events.com/ntmssymposium)

The participation fee is 260€ and it includes coffee and refreshments, a Scandinavian dinner on Friday as well as lunch on Saturday. Please note that the registration fee can be paid by credit card or invoicing and your registration will not be complete until the payment has been processed.

## Call for Abstracts

Abstracts can be submitted through Smart Abstract:  
<https://portal.smart-abstract.com/ntms-symposium>.

Deadline for submissions is October 25.

All program-related abstracts ranging from single case experiences and preliminary results from ongoing research to conceptual studies and reviews are welcomed. All accepted abstracts will be presented during the symposium. The audience will select the best presentations which will be awarded with vouchers of 500€ for the winner, 400€, 300 €, 200 € and 100 € each for the runner-ups.

## Welcome to Berlin!

### Faculty

Thomas Picht, Charité Berlin  
Peter Vajkoczy, Charité Berlin

Sandro Krieg, TU Munich  
Bernhard Meyer, TU Munich

### Venue

The Nordic Embassies, Felleshus  
Rauchstrasse 1  
10787 Berlin

If you have any questions, please email [ntmssymposium@gmail.com](mailto:ntmssymposium@gmail.com)

## Friday, November 8

Nordic Embassies, Felleshus

- 11.30-12.00 Registration
- 12.00-12.10 **Opening of the symposium** (Picht)
- 12.10-12.30 **Meta analysis about nTMS in Neurosurgery** (Raffa)
- 12.30-12.50 **News on nTMS motor mapping in neurosurgery** (Krieg)
- 12.50-13.10 **Integrating nTMS into the clinical management of neurological injury: UCSF experience** (Tarapore)
- 13.10-13.40 *Coffee break*
- 13.40-14.00 **nTMS diagnostics in brainstem and spinal pathologies** (Zdunczyk)
- 14.00-14.20 **nTMS-IOM for better outcome: how to use these methods together** (Seidel)
- 14.20-15.20 Rapid fire presentations based on abstracts
- 15.20-16.00 *Coffee break*
- 16.00-16.20 **nTMS in pain therapy: who to treat & best practice protocols** (Vaalto)
- 16.20-16.40 **From high-frequency rTMS to e-field guided theta burst stimulation in the treatment of depression** (Schecklmann)
- 16.40-17.30 Rapid fire presentations based on abstracts
- 17.30-17.45 *Break*
- 17.45-18.05 **Update on the role of integration of functional data in radiosurgery treatment planning** (Conti)
- 18.05-18.25 **Radiation therapy: Best practices with nTMS mapping guided radiation planning** (Combs)
- 18.25-19.15 Rapid fire presentations based on abstracts
- 19.30 *Dinner (at the Embassies)*

## Saturday, November 9

Nordic Embassies, Felleshus

- 9.00-9.55 **Why and how to measure TMS-evoked EEG potentials: scientific topics and methodological issues. A presentation with live neuronavigated TMS-EEG measurement** (Rosanova, Balestrini, D'Ambrosio)
- 10.00-11.00 **Keynote lecture: Connectivity and its applications at present and for future in brain stimulation** (Michael Fox)
- 11.00-11.15 *Coffee Break*
- 11.15-11.35 **Integration of tractography and TMS: new approaches and applications in the surgical practice** (Vergani)
- 11.35-11.55 **nTMS-DTI language mapping: large series with outcome data and classifications** (Ille)
- 11.55-12.15 **Standardized language tractography: correlation with outcome and the role of nTMS** (Tuncer)
- 12.15-12.45 Rapid fire presentations based on abstracts
- 12.45-13.40 *Lunch and discussions*
- 13.40-14.00 **Update and new experiences about spinal cord injury** (Mäkelä)
- 14.00-14.20 **Motor rehabilitation, latest findings and study protocols with EEG** (Zrenner)
- 14.20-14.40 **Aphasia therapy** (Thiel)
- 14.40-15.00 **Personalized rTMS in tinnitus** (Schoisswohl)
- 15.00 **Best Abstract Award & Closing of the Symposium**