



Venue

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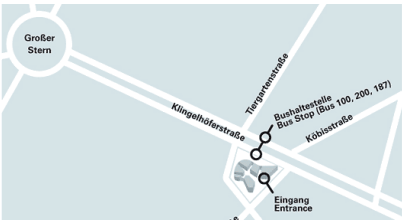
For more information on the Symposium, please contact:
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TO REGISTER,

PLEASE E-MAIL YOUR CONFIRMATION TO
nbssymposium@gmail.com
including your: NAME, INSTITUTION, ADDRESS and PHONE
NUMBER

Accommodation:

Participants are kindly requested to organize their own accommodation. Rooms are reserved at special prices at the following hotels until 9.8.2014 :
******Hotel Pestana Berlin Tiergarten**, single room 99 euro, double room 109 euro (both including breakfast). Reservations to nbssymposium@gmail.com.
*****Hotel Lützow**, single room 65 Euro, double room 75 euro or 100 euro (depending on category). All prices include breakfast. Reservations through nbssymposium@gmail.com or through www.hotel-luetzow.de, (for room-booking – login - Room allotment code, enter "Symposium2014".



6th International Symposium on Navigated Brain Stimulation in Neurosurgery

10th – 11th October, 2014
Berlin, Germany

Dear colleagues,

It is our pleasure to invite you to the 6th International Symposium on Navigated Brain Stimulation in Neurosurgery. There is growing acceptance of NBS as the new standard for preoperative cortical mapping for patients with brain tumors or other brain diseases. 2003 saw 18 peer-reviewed clinical papers published in journals and a much greater number of posters and presentations at meetings around the world. Notably, six of the clinical papers published in 2013 concerned language mapping.

The participants in the last Symposium were the first to hear the results of a large, 200 hundred-patient cohort outcome study from Munich (TUM). In the study, just published, it was shown that following the adoption of routine NBS mapping there was a significantly greater extent of resection performed and better motor outcomes in patients undergoing resection of rolandic tumors than the time immediately before NBS was adopted.

We have had proof for a while now that NBS can help the surgical planning process considerably. We now have proof that NBS mapping prior to surgery also benefits our patients. It is worth stressing that we feel that it is neurosurgeons' increased confidence in the totality of the data that leads to such significant outcome improvements. In other words, NBS does not merely add new data, but also increases the informational value of all our other preoperative and intraoperative data, as well.

Finally, we expect to be kept up-to-date on the exciting developments therapy-related applications of NBS in pain control and stroke rehabilitation. The 6th Symposium will hear about the results of the CONTRASTIM trial reported at the American AHA/ASA meeting in February, where navigated 1 Hz rTMS therapy prior to physiotherapy was shown lead to significant improvements in upper limb motor recovery.

We are eager as before to share our practical experiences with colleagues who may not yet have had practical access to the NBS technology. There will be time for "hands-on" equipment demonstrations and mapping protocol discussions. The Symposium is supported by Nexstim Oy.

We again welcome you to Berlin!

Prof. Dr. P. Vajkoczy
Head of the Neurosurgical Department
Charité-Universitätsmedizin Berlin

Dr. Th. Picht
Local organizer

Faculty:

Thomas Picht, Berlin
Dietmar Frey, Berlin
Peter Vajkoczy, Berlin

Florian Ringel, Munich
Sandro Krieg, Munich
Bernhard Meyer, Munich

Call for posters: A poster session will be held at the Symposium The best three posters will be awarded (vouchers of 500 euro for winner, and 300 and 100 euro each for the runner-ups). **Please submit your poster abstract by September 23rd to nbssymposium@gmail.com.**

Hands-on demonstrations of the NBS System with the experts

Demonstrations organized by Nexstim (You are welcome to bring your own MR-image in DICOM on CD/DVD. Requirements: T1, 3D-MP-Rage, sagittal 1 mm slice thickness, 0 mm slice gap, nose (tip not cropped), forehead, eyes, ears. Angulation ± 10 degrees, if +ve or -ve values are used, do not alter during scan).

Registration:

Limited to the first 100 registered participants

Registration fee (non-refundable) is 250 euro/participant (accommodation is not included)

TO REGISTER, PLEASE E-MAIL YOUR CONFIRMATION TO nbssymposium@gmail.com, including your NAME, INSTITUTION, ADDRESS, EMAIL and PHONE NUMBER

Invited Speakers

Prabhu, S (Houston, USA)
Tarapore, P. (San Francisco, USA)
Pulvermüller, F (Berlin, Germany)
Schmidt, S (Berlin, Germany)

Mäkelä, J (Helsinki, Finland)
Tummala, S (Houston, USA)
Ziemann, U (Tübingen, Germany)
Ilmoniemi, R (Helsinki, Finland)

Scientific Program

Friday, October 10

14.00 - 14.30 Registration
14.30 - 14.40 Welcome by a representative of the Finnish embassy
14.40 - 14.50 Opening of the Symposium (Picht)
14.50 - 15.20 "Physics and background for navigated TMS" (Ilmoniemi)

Session I Surgery General – Motor Mapping (Szelényi)

15.20 - 15.50 How does nTMS improve outcome for motor eloquent lesions? (Krieg)
15.50 - 16.10 nTMS techniques in evaluation of lower extremity function (Tummala)
16.10 - 16.40 Think tank motor mapping: 3 selected abstracts, ideas and case examples to learn more about motor mapping

16.40 - 17.10 Break

Session II Surgery General – Language Mapping (Mäkelä)

17.10 - 17.40 Introduction to language mapping (Pulvermüller)
17.40 - 18.00 2012-2014 review of NBS Speech mapping study results (Picht)
18.00 - 18.20 New sensitive nrTMS protocol example for improved language mapping (Lioumis)
18.20 - 18.40 Latest experiences of new NBS Speech mapping protocol at MD Anderson (Prabhu)
18.40 - 19.00 Latest developments in NBS language mapping at UCSF (Tarapore)
19.00 - 19.30 Think tank language mapping: 3 selected abstracts, ideas and case examples to learn more about language mapping

19.30 - 23.00 Get-together dinner

Saturday, October 11

9.00 - 9.40 **Keynote lecture:** Non-Invasive Brain Stimulation & Brain Plasticity (Ziemann)

Session III Therapeutic – Stroke, Pain, Tinnitus (Ziemann)

9.40 - 10.00 Non-physiological factors in navigated TMS studies (Schmidt)
10.00-11.10 Break and poster tour: Neurosurgery, Epilepsy, Radiation surgery, DTI
11.10 - 11.30 The Contrastim Stroke Study: Improving Hand and Arm Function with NBS, Nexstim sponsored study (Laine, J., Helsinki)
11.30 - 11.40 NBS in pain therapy with cortical implants (Thordstein, M., Gothenburg)
11.40 - 13.00 Lunch and Poster session: non-surgical
13.00 – 13.20 Electrical field navigated transcranial magnetic stimulation for chronic tinnitus: a pilot study (Sahlsten, H., Turku, Finland)
13.20 – 14.00 Think tank therapeutic applications: 3 selected abstracts
14.00 - 14.10 Status of multicenter pre-surgical mapping trials on NBS (Krieg)
14.10 - 14.30 Presentation of "Best Poster" awards and concluding remarks (Picht)