



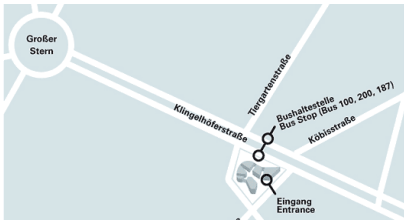
2012 Venue

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For more information on the Symposium,
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4th International Symposium on Navigated Brain Stimulation in Neurosurgery

16th- 17th November, 2012
Berlin, Germany

Dear colleagues,

It is our pleasure to invite you to the 4th International Symposium on Navigated Brain Stimulation in Neurosurgery, to be held in Berlin. As many of us have now learnt, Navigated Brain Stimulation (NBS) is a reliable and accurate method for analysis of cortical function. Like direct electrical cortical stimulation, NBS maps the cortex by stimulation, rather than indirect imaging, yet NBS has the profound advantage of being noninvasive.

There is now a robust body of evidence showing the value of NBS in presurgical mapping of the motor cortex. Extending the use of NBS to speech mapping is of considerable interest right now and the first clinical results are promising. The recent FDA clearance of the NexSpeech[®] module for the NBS System offers further evidence of its efficacy. Further, use of NBS data offers improved motor fiber tracking from DTI, as well as potentially allowing mapping of the speech-related tracts. Recent case reports suggest that brain plasticity in tumor, especially in LGGs, may not be such rare events and we hope to hear more feedback on the use of NBS mapping for enabling multi-stage surgery at the Symposium. Additionally, we expect to hear the most recent development in the use of NBS in the therapy-related applications of pain control and stroke rehabilitation.

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 by November 2nd to nbsberlin2012@gmail.com.

Hands-on demonstrations of the NBS System with the experts

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 (organized by Nexstim).

Registration

Limited to the first 100 registered participants

The registration fee (non-refundable) is 250 euro/participant (accommodation is not included). The organizers will confirm registration by e-mail and enclose Charité payment details.

The dinner, lunch on Saturday, coffee and refreshments are included in the registration fee.

Participants are kindly requested to organize their own accommodation. Rooms have been reserved until October 19th, under the keyword 'NBS Symposium 2012' at the Hotel Pestana Berlin Tiergarten, contact: reservation.berlin@pestana.com (or call: +4930311759999).

TO REGISTER, PLEASE E-MAIL nbsberlin2012@gmail.com WITH YOUR NAME AND INSTITUTION, OR FAX THIS PAGE WITH YOUR CONTACT INFORMATION (BELOW) TO: +358 9 2727 1717

NAME: _____

INSTITUTION & ADDRESS: _____

E-MAIL: _____

Scientific Program

Friday, November 16

15.30-15.40	Welcome by a representative of the Finnish embassy
15.40-16.00	Opening of the Symposium (Vajkoczy, Picht)
16.00-16.30	Identification of somatomotor and motor speech-related cortical areas using nTMS (Deletis)
16.30-17.00	State-of-the-art use of NBS in neurosurgery (Picht)
17.00-17.30	Intraoperative monitoring in tumor surgery (Ringel)
17.30-18.00	Break
18.00-18.30	NBS motor mapping (Ringel)
18.30-22.00	Poster presentations
22.00-	Get-together dinner (welcome to join various groups discussing specific applications)

Saturday, November 17

09.00-09.30	Corticospinal tract reconstruction in tumor patients based on NBS and standardized fractional anisotropy DTI (Frey)
09.30-10.00	NBS and MEG mapping of children undergoing epilepsy or tumor surgery (Mäkelä)
10.00-10.30	NBS in speech mapping: experiences in patients undergoing awake craniotomies – a multicentric approach (Krieg)
10.30-11.00	Pre-operative Multi-modal Language Mapping: A Comparison of Magnetic Source Imaging, Navigated Transcranial Magnetic Stimulation, and Direct Cortical Stimulation (Tarapore)
11.00-11.30	Break
11.30-12.50	Practical session under agenda “3-5 interesting cases in tumor and epilepsy surgery” (Espadaler, Sabel and additional speakers to be confirmed)
12.50-13.10	The pyramidal tract as intraoperative reference in deep brain stimulation -Correlation of intraoperative motor evoked potentials and nTMS based tractography (Forster)
13.10-14.30	Lunch
14.30-15.00	The value of NBS in pediatric brain tumor (Tatagiba)
15.00-15.20	Navigated TMS of the brain: improved Cyberknife [®] radiosurgery planning (Kufeld)
15.20-15.40	The value of navigated targeting to produce analgesic effects in preoperative motor cortex rTMS tests for MCS treatment of neuropathic pain (Farhat)
15.30-16.00	Discussion of advances in NBS protocols (Karhu)
16.00-16.20	Starting multi-center trials on NBS (Ringel)
16.20-16.30	Presentation of “Best Poster” awards and concluding remarks
16.30-16.40	Closing of the Symposium
16.40-17.30	Feedback session for Nexstim clinical team and R&D (refreshments served)

NOTE: Friday, November 16

13.00-15.00 Meeting of the nTMS study group on motor and speech mapping in tumor surgery