



ISCNS 2007

International Symposium on Cognitive Neurosurgery

17-20 March 2007, Castle of Weitenburg, Germany

PROGRAM

SATURDAY, MARCH 17, 2007

from 15.00 Registration
18.30 Opening Reception

SUNDAY, MARCH 18, 2007

8.30 Welcome
8.45 Opening Lecture by Madjid Samii
Hannover, Germany
Brain mapping in neurosurgery

Session LANGUAGE FUNCTIONS

9.20 Mitchel S. Berger
San Francisco, USA
Cortical mapping

9.45 Hermann Ackermann
Tübingen, Germany
The contribution of the cerebellum to speech motor control and higher-order aspects of speech production: Clinical and functional imaging data

10.10 Coffee Break, Posters A

10.35 Christophe Pallier
Paris, France
Brain imaging of individual differences in second language learning

11.00 Alireza Gharabaghi
Tübingen, Germany
Intraoperative language mapping of subcortical pathways visualized by fMRI and DTI

11.25 Hugues Duffau
Montpellier, France
Connectivity and plasticity of language networks: Lessons from brain mapping in surgery for low-grade glioma

11.50 Discussion

12.00 Lunch

13.00 **Special Lecture by Nikos K. Logothetis**
Tübingen, Germany
Neural mass actions studied with electrophysiology and functional magnetic resonance imaging

**Session FRONTAL LOBE:
EXECUTIVE FUNCTIONS AND WORKING MEMORY**

13.35 **Hans-Joachim Freund**
Hannover, Germany
Are premotor and supplementary motor areas eloquent cortex? Does excision matter?

14.00 **Markus Ullsperger**
Cologne, Germany
The role of fronto-striato-thalamo-cortical circuits in performance monitoring

14.25 **Coffee Break, Posters B, E, H**

15.00 **Michael Petrides**
Montreal, Canada
Organization of lateral prefrontal cortex for the control of memory processing

15.25 **Volker Sturm**
Cologne, Germany
The nucleus accumbens

15.50 **Discussion**

16.30 **Social Program-Bus departure**
OTHELLO by Guiseppe Verdi,
Stuttgart Opera House (18.00-21.00)

MONDAY, MARCH 19, 2007

9.00 **Special Lecture by Peter M. Black**
Boston, USA
Intraoperative assessment of brain function

Session SOCIAL COGNITION AND TEMPORAL LOBE

9.35 **David I. Perrett**
St Andrews, UK
Seeing the future: Neural processing of actions and static images of bodies

10.00 **Kevin Pelphrey**
Durham, USA
Brain mechanisms for interpreting the actions of others from biological motion cues

- 10.25** **Marina Pavlova**
Tübingen, Germany
Body motion perception in lesional and neurosurgical patients: MEG findings and brain connectivity
- 10.50** **Coffee Break, Posters C, D**
- 11.20** **Philip Servos**
Waterloo, Canada
Hearing and seeing speech: Insights from fMRI
- 11.45** **Johannes Schramm**
Bonn, Germany
Surgery for temporal lobe epilepsy and related aspects of neuropsychology
- 12.10** **Itzhak Fried**
Los Angeles, USA
From percept to memory: Single neuron recordings in the human temporal lobe
- 12.35** **Discussion**
- 12.45** **Lunch**
- 13.45** **Poster Session**

Session VISUAL PERCEPTION, ATTENTION AND BRAIN IMAGING

- 15.15** **Maurizio Corbetta**
St. Louis, USA
Intrinsic brain activity: Spatio-temporal patterns and functional significance
- 15.40** **Clara Casco**
Padua, Italy
Different ERPs correlates of grouping and segmentation in texture images
- 16.05** **Max Hopf**
Magdeburg, Germany
Neural bases of the spotlight of attention: Insights from neuromagnetic recordings
- 16.30** **Coffee Break, Posters F, G, I**
- 17.00** **Hans-Otto Karnath**
Tübingen, Germany
Right hemisphere role in spatial orientation
- 17.25** **Rudolf Fahlbusch**
Hannover, Germany
Developments in intraoperative MRI and functional neuronavigation
- 17.50** **Discussion**
- 18.00** **Study Group**
COGNITIVE NEUROSURGERY

19.30 Social Program
CONFERENCE BANQUET,
Castle of Weitenburg Restaurant

TUESDAY, MARCH 20, 2007

9.00 Special Lecture by Pierre Rabischong
Montpellier, France
Comprehensive anatomy of the cerebellum

Session CEREBELLUM

9.35 Peter Thier
Tübingen, Germany
*A role of the cerebellum in visual perception:
Fact or fiction?*

10.00 Peter L. Strick
Pittsburgh, USA
*Cerebellar multi-synaptic 'loops': Circuitry for the
control of movement, cognition, perception and ...*

10.25 Wolfgang Grodd
Tübingen, Germany
Functional imaging of the human cerebellum

10.50 Discussion

11.00 Coffee Break

11.25 Closing Lecture by Rainer Goebel
Maastricht, The Netherlands
*The dynamics of inter-hemispheric compensatory
processes in mental imagery*

12.00 Closing Ceremony, Poster Prize

12.30 Lunch

HOTLINE DURING THE ISCNS 2007:

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