HOW TO REACH US (BUILDING E)

by public transport:
- Tram, Line 2, 9 and 16, Station Bayerischer Bahnhof or Station Johannisallee
- Tram, Line 12 and 15 to Ostplatz
- Bus, Line 60, Station Johannisallee
- City-Train, Line S1-S5X, Station Bayerischer Bahnhof

by car:
- over Ostplatz/Johannisallee
- over Nürnberger Straße or Stephanstraße
- over Bayrischen Platz/Nürnberger Straße

Parking:
- Car Park Brüderstraße 59 (Vinci)

Abstract Submission, Travel and Hotels
All information about the event can be found at the following link
http://www.ipeg-society.org/IPEG-meetings/ipeg-meeting-2014-leipzig
The EEG is a wonderful and unique window to the dynamics and complexities of the neuronal functioning of our brain. EEG parameters are characterized by a large inter-individual variability, a high sensitivity to all kinds of changes within and outside of the organism and at the same time by a high heritability. The EEG is like the melody of the brain and we are just at the beginning to learn how to use the immense amount of information provided by this melody for pharmacology and pharmacotherapy or therapeutic neuroelectric interventions.

The IPEG-meeting 2014 in Leipzig, Germany will have outstanding keynote speeches, two of them focusing on the neurobiological basis of the regulation of sleep and wakefulness. The EEG is by far the best neurobiological tool to assess the changes of global functional brain states during the transition from wakefulness to different sleep stages. Because of the relevance of the regulation of wakefulness (e.g. “brain arousal”) for psychiatric disorders such as affective disorders and ADHD, the upcoming conference will be a perfect opportunity for all EEG-researchers to hear about the latest progress made in the field of EEG-guided assessment of wakefulness and sleep regulation in neuropsychiatric disorders.

The other keynotes will focus on the latest development of EEG-fMRI measurements and the usage of qEEG in diagnosis and treatment of neuropsychiatric disorders. Following its great success during the last meeting in New York, a Personalized Medicine Day will take place on Thursday, 25th September with updates from different large scale studies about EEG-biomarkers in psychiatry. Further, a EEG-workshop will be held that will cover topics from basic EEG-assessment to the most sophisticated EEG-processing and analysis methods today - all presented by international experts in the field of EEG-research.

Therefore it is a pleasure for me to welcome all EEG-enthusiasts, neuropsychiatrists and neuroscientists to the IPEG-Meeting 2014 in Leipzig.

Prof. Ulrich Hegerl, Director of the Psychiatric and Psychotherapy Clinic, Universitätsklinikum Leipzig, Semmelweisstraße 10, 04103 Leipzig, Germany

Scientific head: Prof. U. Hegerl, Director of the Psychiatric and Psychotherapy Clinic, Universitätsklinikum Leipzig, Semmelweisstraße 10, 04103 Leipzig, Germany

Local organisation: Sebastian Olbrich

### MAIN PROGRAM KEYNOTE SPEAKERS

The following speakers have confirmed their coming:

**Scott Makeig** (San Diego, USA):
EEG and measures of arousal

**Clifford B. Saper** (Harvard Medical School, USA):
Neuophysiology of sleep-wake regulation

**Christoph Mulert** (Hamburg, Germany):
Simultaneous EEG and fMRI in neuropsychiatric disorders

**Leslie S. Prichep** (NY, USA):
qEEG in neuropsychiatric disorders

**Hartmut Schulz** (Germany):
Pharmaco Sleep- 5 decades of research

### PERSONALIZED MEDICINE DAY (25TH OF SEPTEMBER)

Following the great success during the last IPEG-Meeting in New York in 2012, on Thursday, 25th of September, a special Personalized Medicine Day is planned. The focus therby will be on EEG-based approaches for improving diagnosis and treatment in neuropsychiatric disorders.

**Gerard Bruder** (NY, USA):
EMBARC study on biological biomarkers in major depression (PM-day)

**Martijn Arns** (Nijmegen, Netherlands):
EEG-alpha asymmetry as a gender specific predictor of outcome to acute treatment with different antidepressant medications in the iSPOT-study

**Ulrich Hegerl** (Leipzig, Germany):
EEG-vigilance regulation in neuropsychiatric disorders

**Sebastian Olbrich** (Leipzig, Germany):
EEG-vigilance and activity of the autonomous nervous system in the prediction of antidepressant treatment

### EEG-TRAINING-COURSE

On Thursday, 25th of September, an EEG-workshop will be held. Besides basic EEG-methods, the workshop will be dedicated to sophisticated EEG-analysis methods such as Independent Component Analysis and EEG-source imaging LORETA.

**Scott Makeig** (San Diego, USA):
The usage of independent component analysis in EEG processing and analysis

### PROF. WERNER M. HERRMANN MEMORIAL GRANT

The Werner Herrman Memorial Grant (5000 €) is awarded during the biennial IPEG Conferences to honour the best contribution made by a young researcher (poster or oral communication) in the field of electrophysiological brain research in preclinical and clinical pharmacology, neurotoxicology and related areas of interest.

The winner is chosen by a jury composed of the IPEG-President, the Conference Chairman and a representative of PAREXEL International. The name of the winner is communicated at the closing session of the Conference.

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Local organisation:
Sebastian Olbrich