

## The IPEG Meeting from 21<sup>st</sup>-25<sup>th</sup> November 2018 at the Psychiatric University Hospital (PUK) in Zurich, Switzerland



**Dear colleagues, researchers and friends,**

The International Pharmac-EEG Society (IPEG, <http://www.ipeg-society.org>) is a professional association for researchers involved in electrophysiological brain research in preclinical and clinical pharmacology, neurotoxicology, personalized medicine and related areas.



The IPEG provides a platform for a vivid exchange of experiences, methods and opinions, as well as a place for networking with the community. The upcoming IPEG 2018 conference will allow researchers from all over the world - and from the clinic, academia or industry - to present their latest findings and discuss the progress of electrophysiological research in clinical and preclinical contexts.

### The Keynote Speakers

We are glad to present the **following speakers** that will make the program state-of-the-art for electrophysiology research at a clinical and preclinical level:

1. [Franz Vollenweider, Zurich, Switzerland](#)
2. [Nikolai Axmacher, Bochum Germany](#)
3. [Derk-Jan Dijk, Guildford, England, UK](#)
4. [Nikos K. Logothetis, Tübingen, Germany](#)
5. [Daniel Brandeis, Zurich, Switzerland](#)
6. [Jonathan Downar, Toronto, Canada](#)
7. [Martijn Arns, Nijmegen, the Netherlands](#)

### The Symposia

Following topics will be covered:

1. **Machine and Deep Learning in EEG research**
2. **Brain Stimulation and Electrophysiology**
3. **Psychedelic Drugs: Doors to new Treatment Approaches**
4. **Chronobiology and Sleep-Wake Regulation**
5. **Individualized medicine and EEG markers in treatment prediction**
6. **Preclinical and Animal research**
7. **Combining Modalities: EEG and MRI/PET research**

### The Training Course



A **Training Course on the basics of EEG-research** is scheduled on the first day (Wednesday, 21<sup>st</sup> November 2018). This training will give young researchers the possibility to gain insight into basic and more advanced electrophysiological techniques. Planned topics include (with more to come):

1. **Deep Learning applied to EEG data**
2. **Sleep EEG: Processing of EEG data for Biomarker Research**
3. **Source Localisation: LORETA**
4. **EEG-Vigilance Analysis (VIGALL)**
5. **Clinical EEG**

In cooperation with **Parexel**, the IPEG also announces the '**Prof Werner M. Herrmann Prize**' which will be given to a young researcher for an outstanding presentation at the IPEG 2018 meeting (2000€). Further, we are proud to be enabled by Yasmin Itil Leland to announce for the first time the '**Prof. Dr. Turan M. Itil, MD, FAPA, FACNP Memorial Grant**', which is aimed to support high-quality EEG scientists, future neuropsychiatrists, psychopharmacologists, electrophysiologists and inventors - as he was throughout his life - to participate and present at the IPEG biennial International Symposium and Training course.

[Submit oral presentations, symposia and posters](#) until August 31<sup>st</sup>.

or [Subscribe for the Meeting here](#): with Early Bird Fees until July 31<sup>st</sup>.

We are looking forward to an exciting meeting at the PUK Zurich in November 2018.



<p>Prof. Erich Seifritz Director of the Department for Psychiatry, Psychotherapy and Psychosomatics, University Hospital Zurich, Organizer</p>	<p>PD Dr. Sebastian Olbrich President of the IPEG, Department for Psychiatry, Psychotherapy and Psychosomatics, University Hospital Zurich, Organizer</p>	<p>Prof. Dr. Hans Peter- Landolt, Institute of Pharmacology and Toxicology, University Zurich, Scientific Committee</p>	<p>Prof. Dr. sc. nat. Thomas Koenig Department of Psychiatric Neurophysiology, University Hospital of Psychiatry, Bern, Scientific Committee</p>
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<p>Dr. Madelon Vollebregt Secretary of the IPEG, Brainclinics Research Institute, Nijmegen, The Netherlands, Organizer</p>	<p>Dr. Marcel Pawlowski Treasurer of the IPEG, Centre of Mental Health, Klinikum Ingolstadt, Germany, Organizer</p>
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Additional scientific advice by:

**Prof. Dr. Christopher Pryce**, Laboratory Head Preclinical Lab for  
Translational Research, Department of Psychiatry, Psychotherapy and  
Psychosomatics, University Hospital Zurich

**Local Organizing Committee:**

Sebastian Olbrich  
Erna Silvestri  
Tania Villar