

PUK and IPEG - International Pharmaco EEG Society invite:

The 20th biennial IPEG Meeting from 21st-25th November 2018 at the Psychiatric University Hospital (PUK) in Zurich, Switzerland



Dear colleagues, researchers and friends,

Today, terms such as 'artificial intelligence' and 'machine learning' are becoming commonplace. Many of the propagated algorithms stem from the knowledge that we have gained from studying animal and human brains. Since its discovery, electrophysiological research has provided a unique window onto the functioning nervous system. Whilst it is a challenge to transform preclinical findings into clinical benefits, there are many enthusiastic researchers and clinicians who take this road, with the goal of improving our understanding of the working mechanisms of mammalian brains, and finally helping to shape better treatment approaches for neuropsychiatric disorders.



The International Pharmaco-EEG Society (IPEG, <http://www.ipeg-society.org/>) is a professional association for those researchers actively involved in electrophysiological brain research in preclinical and clinical pharmacology, neurotoxicology, personalized medicine and related areas of interest. 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 Symposia will include the following topics

- 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**

Similar to previous successful IPEG meetings, a half-day Training Course on the basics of EEG-research is scheduled on the first day. This training will give young researchers the possibility to gain insight into basic and more advanced electrophysiological techniques.

Further, we are proud to be enabled by the Itil Leland family to announce for the first time the '**Prof. Turan Itil Memorial Grant**', which is aimed at supporting high-quality EEG scientists to participate and present at the IPEG biennial International Symposium and Training course.

We are looking forward to an exciting and dynamic meeting and hope to welcome you here at the PUK Zurich in November 2018.

With kind regards from the Organizers,



<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>	<p>Dr. Madelon Vollebregt Secretary of the IPEG, Brainclinics Research Institute, Nijmegen, The Netherlands, 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