Thursday: November 17th 2022 – Training Course Day & Itil Prize Lecture

Davis Auditorium, 2nd Floor, Hess Center for Science and Medicine, Mount Sinai Health System, 1470 Madison Ave, New York, NY 10029, USA

09:00-09:45 Welcome & Light Breakfast
09:45-10:00 Introduction

10:00-10:45 **Tutorial Session 1: “Sleep & EEG” (topic)**
Thomas Penzel, Ph.D., Scientific Chair of Sleep Center, Charité Universitätsmedizin, Berlin, Germany

10:45-11:00 Q&A / Break

11:00-11:45 **Tutorial Session 2: “EEG+ fMRI” (topic)**
Christoph Mulert, M.D., Ph.D., Dept. Psychiatry and Psychotherapy, Justus-Liebig-Universität, Universitätsklinikum Giessen und Marburg, and Center for Mind, Brain and Behavior, Central German Mental Health Center, Germany

11:45-12:00 Q&A / Break

12:00-12:45 **Tutorial Session 3: TBD**
Judith Nottage, Ph.D., Birkbeck, University of London and King's College London, U.K.

12:45-13:00 Q&A
13:00-13:15 General Discussion
13:15-14:30 Lunch
Itil Prize Winner Lecture: “Excitation-Inhibition balance, neural oscillations and schizophrenia”
Christoph Mulert, M.D., Ph.D.,

Friday: November 18th 2022 – Conference Day 1
Davis Auditorium, 2nd Floor, Hess Center for Science and Medicine, Mount Sinai Health System, 1470 Madison Ave, New York, NY 10029, USA

08:30-09:00 Light Breakfast
09:00-09:15 Welcome
   Sebastian Olbrich, M.D., President IPEG, Deputy Head of Center for Social Psychiatry, University Zurich, Switzerland

09:15-10:00 Keynote 1: “Sleep research today - technical possibilities and challenges”
   Thomas Penzel, Ph.D., Professor, Scientific Chair of Sleep Center, Charité Universitätsmedizin, Berlin, Germany

10:00-10:15 Q&A / Break

10:15-11:45 Symposium 1: “Sleep – from preclinical gained understanding to clinical usability as predictor of treatment response”
   Chair: Marcel Zeising, M.D., Head of Sleep Centre and EEG Dept., Klinikum Ingolstadt, Germany
   1. “Asymmetric sleep states in humans and other animals”
      Gina Poe, Ph.D., Professor, Integrative Biology and Physiology, University of California, Los Angeles, USA
   2. Heart rate variability and sleep – its interdependency and relevance for mental health
      Thomas Penzel, Ph.D., Professor, Scientific Chair of Sleep Center, Charité Universitätsmedizin, Berlin, Germany
   3. “Prospective study - prefrontal theta EEG in sleep predicts response in depressed patients”
      Thorsten Mikoteit, M.D., Psychiatric Services of Solothurn and University of Basel, Switzerland

11:45-13:00 Lunch

13:00-14:30 Symposium 2: TITLE - TBD [Focus: Epilepsy/Neurology + EEG]”
   Chair: TBD
   1. Madeline Fields, M.D., Co-Director of the Mount Sinai Epilepsy Program, Mount Sinai Health System, New York, NY, USA
   2. Saadi Ghatan, M.D., Professor of Neurosurgery and Pediatrics at the Icahn School of Medicine at Mount Sinai and Chair of Neurosurgery at Mount Sinai Health System, New York, NY, USA
   3. Preeti Balchandi, Ph.D., Professor of Diagnostic, Molecular and Interventional Radiology, Neuroscience and Psychiatry, Icahn School of Medicine, at Mount Sinai, New York, NY, USA
   4. Bülent Yenner, Ph.D., Professor, Depts. Computer Science, Electrical, Computer and Systems Engineering, and Data Science Research Center at Rensselaer Polytechnic Institute (RPI) in Troy, New York, USA

14:30-14:45 Q&A / Break
Keynote 2: TITLE - TBD
Helen Mayberg, Ph.D. Director Nash Family Center For Advanced Circuit Therapeutics, Icahn School of Medicine at Mount Sinai

14:45-15:45 Keynote 2: TITLE - TBD
Helen Mayberg, Ph.D. Director Nash Family Center For Advanced Circuit Therapeutics, Icahn School of Medicine at Mount Sinai

15:45-16:00 Q&A / Break

16:00-17:30 Symposium 3: “Understanding the neurobiology of psychedelic action using EEG”
Chair: Martin Brunovský, M.D., Ph.D., Head of Brain Electrophysiology Research Programme, National Institute of Mental Health, Klecany, Czech Republic
1. “EEG biomarkers in the prediction of psilocybin’s persisting positive effects on mood in healthy volunteers”
Tomáš Páleníček, M.D., Ph.D., NIMH; Charles University in Prague, Czech Republic
2. “Psychedelics-induced broadband desynchronization and disconnection of EEG in rats and underlying pharmacological mechanisms”
Čestmír Vejmola, Ph.D., NIMH; Charles University in Prague, Czech Republic.
3. “Effect of psilocybin on the ability to generate gamma activity: translational perspective in human and rat”
Inga Griškova-Bulanova, Ph.D., Vilnius University, Lithuania

17:30-17:45 Q&A / Break

17:45-19:00 Poster Session

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Saturday: November 19th 2022 – Conference Day 1
Davis Auditorium, 2nd Floor, Hess Center for Science and Medicine, Mount Sinai Health System, 1470 Madison Ave, New York, NY 10029, USA

08:30-09:00 Light Breakfast
09:00-09:45 Keynote 3: TBD
Judith Nottage, Ph.D., Researcher, Birkbeck, University of London and King’s College London, U.K

9:45-10:00 Q&A / Break

10:00-11:30 Symposium 4: TBD
Chairs: Natalia Jaworska, Ph.D., Director of the Clinical Electrophysiology Laboratory at the Royal’s Institute of Mental Health Research (IMHR), Assistant Professor Cellular & Molecular Medicine, University of Ottawa, Canada
Sebastian Olbrich, M.D., President IPEG, Deputy Head of Center for Social Psychiatry, University Zurich, Switzerland

11:30-11:45 Q&A / Break

11:45-12:45 Keynote 4: “Beyond MMN: A time-frequency deconstruction of auditory processing deficits in schizophrenia.”
Dan Javitt, M.D., Director Schizophrenia Research program, Nathan S. Kline Institute (NKI), Professor and Director, Division of Experimental Therapeutics, Psychiatry and Neuroscience, Columbia University, New York, USA.
12:45-14:00 Lunch

14:00-15:30 Symposium 5: “Translational Utility of EEG in Drug Discovery”
Chair: Steven C. Leiser, Ph.D., Senior Principal Scientist, Translational Medicine & Biomarkers, Cerevel Therapeutics, Massachusetts, USA

1. “Scalable ERP assessments for clinical trials: At home assessments with remote devices”
   Patricio O’Donnell, M.D., Ph.D., VP and Head of Translational Medicine, Sage Therapeutics, Massachusetts, USA

2. “Mismatch negativity during sleep and wakefulness: the modulatory role of vigilance states in auditory information processing in rodents”
   Sandor Kantor, Ph.D., Scientific Lead, Transpharmation Ltd., London, UK

3. “Using qEEG to examine estrogen depletion as a risk factor for neuropsychiatric symptoms associated with AD and schizophrenia”
   Robert Gould, Ph.D., Assistant Professor, Wake Forest School of Medicine, North Carolina, USA

   Mihaly Hajos, PharmD., PhD., Chief Scientific Officer, Cognito Therapeutics, Professor Adjunct at Yale University School of Medicine, Connecticut, USA

15:30-15:45 Q&A / Break

15:45-17:15 Symposium 6: TBD
Chair: Martijn Arns, Ph.D., Research Director and Founder of Research Institute Brainclinics. Associate Professor: Faculty of Psychology & Neuroscience, Maastricht University, Netherlands

17:15-17:30 Q&A / Break

17:30-18:45 Poster Session

Evening: Social / Dinner

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Sunday: November 20th 2022 – Conference Day 3

Davis Auditorium, 2nd Floor, Hess Center for Science and Medicine, Mount Sinai Health System, 1470 Madison Ave, New York, NY 10029, USA

08:30-09:00 Light Breakfast

09:00-10:45 Symposium 7: Oral Presentations (selected based on abstract submissions)
Chair: Sebastian Olbrich, M.D., President IPEG, Deputy Head of Center for Social Psychiatry, University Zurich, Switzerland

10:45-11:00 Q&A / Break

11:00-11:15 Werner Hermann Prize

11:15-11:30 Farewell

11:30-12:30 General Assembly (IPEG members only)