

AGENDA

PROPOSED 2-DAY INDIREA WORKSHOP AT THE LUDWIG-MAXIMILIANS-UNIVERSITY MUNICH **ATC 4: Introduction to the EEG & ERP Methodology**

THURSDAY, MARCH 12, 2015

9.00 – 9.15 Informal welcome at the LMU (Hermann J. Müller)

BASIC EEG/ERP PROCESSING WITH BRAINVISION ANALYZER:

- 9.15 – 9.45 Lecture: EEG basics, sources of the signal, recording the signal
9.45 – 10.15 Interactive: Introduction to BrainVision Analyzer: concept, workspace, history tree (including hands on introduction)
- 10.15 – 10.45 *Tea and Coffee*
- 10.45 – 11.30 Lecture: introduction to ERPs
11.30 – 12.30 Interactive: Data preprocessing (filtering, artifact handling – including ICA for ocular correction), assessing ERP components, extracting ERP information
- 12.30 – 14.00 *Lunch & Walk in the English Garden*
- 14.00 – 15.00** ***Kia Nobre (University of Oxford): “ ... “***
15.00 – 15.45 Alex Svojanovsky (Brainproducts): “*BrainVision Analyzer: Brain Products, the company behind that software*”
- 15.45 – 16.15 *Tea and Coffee*
- 16.15 – 18.00 ESR poster session
- 19.30 *Workshop Dinner at the Restaurant “Reitschule”*

Friday, MARCH 13, 2015

ADVANCED EEG/ERP PROCESSING WITH BRAINVISION ANALYZER:

- 9.15 – 9.45 Lecture: Introduction to frequency domain analysis: EEG oscillations and power spectra
9.45 – 10.15 Interactive: FFT analysis in BrainVision Analyzer
- 10.15 – 10.45 *Tea and Coffee*
- 10.45 – 11.15 Lecture: Introduction to time-frequency analysis: wavelets
11.15 – 12.00 Interactive: Wavelet analysis of EEG data in BrainVision Analyzer
- 12.00 – 13.30 *Lunch*
- 13.30 – 14.30** ***Paul Sauseng (LMU Munich): “ ... “***
14.30 – 15.30 Round table discussions (ESRs and PIs)
- 15.30 – 16.00 *Tea and Coffee*
- 16.00 – 17.30 INDIREA management meeting (PIs)