

**Brain Imaging Workshop
Magnetic Resonance Imaging Methods**

November 15 - 16, 2013

Nencki Institute of Experimental Biology
Polish Academy of Sciences
Warsaw, Pasteur 3

November 15, 2013 (Friday)

- 14:50 Workshop Opening** - Artur Marchewka, PhD (Laboratory of Brain Imaging, NC, NI) and Prof. Anna Grabowska, PhD (Laboratory of Psychophysiology, NI)
- 14:50 - 15:30 Quantitative MRI towards in-vivo histology** - Antoine Lutti, PhD, LREN, Departement des Neurosciences Cliniques, CHUV, University of Lausanne, Switzerland
- 15:30 - 16:10 Voxel-based morphometry** - Prof. Bogdan Draganski, PhD, MD, LREN, Departement des Neurosciences Cliniques, CHUV, University of Lausanne, Switzerland
- 6:10 - 16:50 A Functionally Guided Approach to the Morphometry** - Irene Altarelli, PhD, Laboratoire de Sciences Cognitives et Psycholinguistique, Ecole Normale Supérieure, Paris, France
- 16:50 - 17:20** Coffee
- 17:20 - 18:00 Beyond blobs: What DCM can tell us about the functional neuroanatomy of language** – Prof. Stefan Heim, PhD, Dept. of Psychiatry, RWTH Aachen University, Germany
- 18:15 - 19:15 „Human Brain Project”** - Prof. Richard Frackowiak, Director of the Department of Clinical Neuroscience, Head of Service of Neurology CHUV University Hospital Lausanne, Switzerland (Open Public Lecture, Faculty of Biology, Warsaw University)
- 20:30** Social Event (Invited guests)

November 16, 2013 (Saturday)

- 10:00 - 10:40** **Meta-analysis in neuroimaging** - Fabio Richlan, PhD, University of Salzburg, Department of Psychology, Austria
- 10:40 - 11:20** **SVM classification in PYTHIA toolbox** - Stanisław Adaszewski, MSc, Warsaw University of Technology and LREN, Departement des Neurosciences Cliniques, CHUV, University of Lausanne, Switzerland
- 11:20 - 11:40** Coffee
- 11:40 - 12:20** **Degeneracy in neural systems: multiple pathways to preserve cognitive functions after brain damage** - Ferath Kherif, PhD, LREN, Departement des Neurosciences Cliniques, CHUV, University of Lausanne, Switzerland
- 12:35 - 13:35** **The language-cognition interface: Two examples for understanding language impairment against the background of neurocognitive profiles** - Prof. Stefan Heim, PhD, Dept. of Psychiatry, RWTH Aachen University, Germany (Open Public Lecture, Faculty of Biology, Warsaw University)
- 13:40 - 14:40** Lunch
- 14:40 - 15:20** **Data Mining in Neuroimaging: Nuts and Bolts Approach** - Prof. Piotr Bogorodzki, PhD, Wojciech Gradkowski, MSc, Warsaw University of Technology
- 16:00 - 16:40** **Neural systems for reading in the sighted and in the blind** Prof. Marcin Szwed, Psychophysiology Laboratory, Institute of Psychology, Jagiellonian University, Cracow, Poland
- 16:40 - 17:20** **Neuroimaging studies of Reading and Development and Reading Disability: An update on recent findings** - Prof. Kenneth R. Pugh, President and Director of Research, Haskins Laboratories, New Haven, US
- 18:00** Social Event (Invited guests)

Conference organization Laboratory of Brain Imaging, Neurobiology Center, Nencki Institute (2013)