

# OHBM 2014 Oral Sessions

Tuesday, June 10, 2014

## O-T1: Neuroanatomy

Chair: Birte Forstmann, *University of Amsterdam, Amsterdam, The Netherlands*

10:30-10:45

**2257: Crossing the scales with 3D-PLI: from classical myeloarchitecture to diffusion tensor imaging**

Markus Axer, *Research Centre Juelich, Juelich, Germany*

10:45- 11:00

**462: Laminal characteristics of gyrencephaly using high resolution diffusion tensor imaging in vivo at 7T**

Michiel Kleinnijenhuis, *Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behaviour, Nijmegen, The Netherlands*

11:00-11:15

**1113: Asymmetric depth of the superior temporal sulcus: A widely stable landmark in the human brain**

Francois Leroy, *INSERM, Paris, France*

11:15 – 11:30

**1142: Examining the right dorsal premotor mosaic: a connectivity-based parcellation approach**

Sarah Genon, *Cyclotron Research Centre, Liege, Belgium*

11:30-11:45

**1594: Mismatch between cortical and callosal myelination assessed with T1/T2-weighted MRI**

Stefano Sandrone, *King's College London, London, UK*

## O-T2: Imaging Methods

Chair: Essa Yacoub, *University of Minnesota, Minneapolis, MN, USA*

10:30-10:45

**1806: In-vivo Cortical Layers Reconstruction using IR-MRI**

Shlomi Lifshits, *Tel Aviv University, Tel Aviv, Israel*

10:45- 11:00

**1823: RtfMRI Neurofeedback of Thalamus Enhances Correlation of Thalamic BOLD Activity and EEG Alpha Rhythm**

Vadim Zotev, *Laureate Institute for Brain Research, Tulsa, OK, USA*

11:00-11:15

**597: Accelerating Resting State fMRI Acquisition using k-t FASTER: In Vivo Validation**

Mark Chiew, *University of Oxford, Oxford, UK*

11:15 – 11:30

**1215: NODDI with dispersion anisotropy**

Maira Tariq, *University College London, London, UK*

11:30-11:45

**777: Sub-millimeter resting state functional connectivity within the mammalian primary visual cortex**

Anil Vasireddi, *University of Pittsburgh School of Medicine, Pittsburgh, PA, USA*

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### O-T3: Higher Cognitive Functions

Chair: Benjamin Xu, *NIH, Bethesda, MD, USA*

10:30-10:45

**1343: Development of neural networks for passage reading: Activity and connectivity**

Matthew Scoggins, *St. Jude Childrens Research Hospital, Memphis, TN, USA*

10:45- 11:00

**1670: Mirror visual feedback induces sensorimotor high gamma oscillations in the absence of movement**

Vladimir Litvak, *UCL Institute of Neurology, London, UK*

11:00-11:15

**1880: Sustaining exploration during value-based learning with frontopolar brain stimulation**

Anjali Raja Beharelle, *Rotman Research Institute of Baycrest Centre, Toronto, Canada*

11:15 – 11:30

**3362: Cognitive Control of Emotion and Action: Similar But Not the Same- An ALE Meta-Analysis**

Robert Langner, *Heinrich Heine University, Duesseldorf, Germany*

11:30-11:45

**3833: Frontal-striatal system underlies children's inter-trial variability during problem solving**

Shaozheng Qin, *Stanford University, Stanford, CA, USA*

### O-T4: Genetics

Chair: Lukas Pezawas, *Medical University of Vienna, Vienna, Austria*

10:30-10:45

**1061: Genetically induced diffuse impairment of retinal ganglion cells is linked to extrastriate cortical plasticity**

Miguel Castelo-Branco, *Universidade de Coimbra, Coimbra, Portugal*

10:45- 11:00

**1962: Heritability of Intrinsic Connectivity Network Profiles in the Human Brain**

Zhi Yang, *Institute of Psychology, Chinese Academy of Sciences, Beijing, China*

11:00-11:15

**2495: Additive Gene-Environment Effects on Hippocampal Structure in Healthy Humans**

Ulrich Rabl, *Medical University of Vienna, Vienna, Austria*

11:15 – 11:30

**3737: Common Variants of the Oxytocin Receptor Gene Impact Functional and Structural Brain Connectivity**

Leanna Hernandez, *University of California, Los Angeles, CA, USA*

11:30-11:45

**3912: Multiple sclerosis risk gene associations with white matter integrity at 4 Tesla**

Daniel Rinker, *University of Southern California, Los Angeles, CA, USA*