

OHBM 2014 Oral Sessions

Monday, June 9, 2014

O-M1: Multivariate Modelling and Machine Learning

Chair: Janaina Mourao-Miranda, *University College London, London, UK*

17:15-17:30

2068: Applications of Multivariate Modeling to Neuroimaging Group Analysis: A Comprehensive Approach

Gang Chen, *SSCC/DIRP/NIMH, National Institutes of Health, Bethesda, MD, USA*

17:30- 17:45

1972: Improving interpretability of graphical models in fMRI analysis via variable-selection

Irina Rish, *IBM T.J. Watson Research Center, USA*

17:45-18:00

3603: Brain mapping in decoding: identifying predictive regions from fMRI with sparse total variation

Gael Varoquaux, *France*

18:00 – 18:15

2835: Sparse multivariate measures of similarities and differences between brain imaging datasets

Maria Rosa, *King's College London, London, UK*

18:15 – 18:30

2791: Deep learning models for brain imaging: model depth enhances discovery power

Sergey Plis, *The Mind Research Network, Albuquerque, NM, USA*

O-M2: Imaging Physiology

Chair: Mark Schira, *UNSW Sydney*

17:15-17:30

1298: Investigating frequency-specific electrophysiological correlates of spontaneous fMRI activity

Catie Chang, *National Institutes of Health, Bethesda, MD, USA*

17:30- 17:45

1358: Contribution of Neurovascular Factors to Resting-State fMRI Functional Connectivity

Sungho Tak, *Rotman Research Institute at Baycrest Centre Toronto, Ontario, Canada*

17:45-18:00

1335: BOLD and CBF post-stimulus undershoots are correlated with post-stimulus neuronal activity in humans

Karen Julia Mullinger, *University of Nottingham, Nottingham, UK*

18:00 – 18:15

435: Thick and fast: In vivo correlation between Axon Diameter and Conduction Velocity in the Human brain

Assaf Horowitz, *Tel Aviv University, Tel Aviv, Israel*

18:15 – 18:30

2122: Laminar analysis: The spatiotemporal profile of the BOLD response changes with depth

Alexander Puckett, *University of Wollongong, Wollongong, Australia*

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O-M3: Learning and Memory

Chair: Noa Ofen, *Wayne State, Detroit, MI, USA*

17:15-17:30

3054: Reshaping Brain Networks for Superior Memory

William Shirer, *Stanford University, Stanford, CA, USA*

17:30- 17:45

2880: Thinking outside the box: Neural correlates of learning by insight

Jasmin Kizilirmak, *Otto-von-Guericke-University, Magdeburg, Germany*

17:45-18:00

1977: Mechanisms of control during memory encoding & retrieval: Complimentary roles of the dACC and dPFC

Eric Woodcock, *Wayne State University School of Medicine, Detroit, MI, USA*

18:00 – 18:15

3865: On-line, off-line, and sleep dependent consolidation of motor sequence learning revealed by fMRI

Shahabeddin Vahdat, *McGill, Montreal, Canada*

18:15 – 18:30

2392: A longitudinal fMRI investigation of simultaneous interpretation training

Alexis Hervais-Adelman, *University Of Geneva, Switzerland*

O-M4: Psychiatric Disorders

Chair: Randy Gollub, *Department of Psychiatry, Massachusetts General Hospital*

17:15-17:30

485: Multimodal Imaging in Individuals at Clinical High Risk for Psychosis

Tiziano Colibazzi, *Columbia University, New York, NY, USA*

17:30- 17:45

3832: Dissociable Medial Prefrontal Cortex Activity and Connectivity Related to Anhedonia and Depression

Christina Young, *Northwestern University, Evanston, IL, USA*

17:45-18:00

917: Extended social-affective default network: altered connectivity in depression

Maren Amft, *Clinical neuroscience and medical psychology, Düsseldorf, Germany*

18:00 – 18:15

465: Interoceptive awareness as MDD state marker - fMRI in healthy, depressed and remitted participants

Christine Wiebking, *Institute of Mental Health Research, Ottawa, Canada*

18:15 – 18:30

2742: (S)-citalopram influences amygdalar modulation in healthy subjects demonstrated by DCM for fMRI

Ronald Sladky, *Center for Medical Physics and Biomedical Engineering, Medical University of Vienna, Austria*

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O-M5: Lifespan Development

Chair: Kristen Kennedy, *Behavioral and Brain Sciences | Center for Vital Longevity, The University of Texas at Dallas*

17:15-17:30

1592: Heterogeneous developmental trajectories of fetal functional brain connectivity

András Jakab, *Department of Biomedical Imaging and Image-guided Therapy, Medical University of Vienna, Austria*

17:30- 17:45

2001: Development of Thalamocortical Connectivity during Infancy and Its Behavioral Correlations

Sarael Alcauter, *University of North Carolina at Chapel Hill, Chapel Hill, NC, USA*

17:45-18:00

2055: Automatic analysis of cerebellar growth trajectories in normal child development

Vladimir Fonov, *Montreal Neurological Institute, Montreal, Canada*

18:00 – 18:15

2162: Human white matter across the lifespan: changes in development predict changes in aging

Aviv Mezer, *Stanford University, Stanford, CA, USA*

18:15 – 18:30

3781: Spectral signatures of network development in resting state MEG.

Javeria Hashmi, *Harvard Medical School, Charlestown, MA, USA*