Monday, June 11, 2012, 18:15-19:45

O-M1: Disorders 1

Chair: Cornelius Weiller

18:15 - 18:30
90 MT: EEG-fMRI using the ultra-fast MREG sequence allows the single-trial localization of epileptic spikes
Pierre LeVan, *University Medical Center Freiburg, Freiburg, Germany*

18:30 - 18:45
142 MT: Mapping Associations between Kidney Biomarkers, Brain Atrophy and Cognition in ADNI: An N=701 study
Priya Rajagopalan, *Laboratory of Neuro Imaging, Department of Neurology, UCLA School of Medicine, Los Angeles, United States*

18:45 - 19:00
119 WTh: Children with fetal alcohol spectrum disorders undergo less developmental cortical thinning
Sarah Treit, *University of Alberta*

19:00 - 19:15
145 MT: The Pattern of Regional Homogeneity Determining Outcome of Hand Function after Subcortical Stroke
Dazhi Yin, *Key Laboratory of Brain Functional Genomics, Shanghai Key Laboratory of Magnetic Resonance, ECNU, Shanghai, China*

19:15 - 19:30
24 MT: C9ORF72 gene mutation increases functional connectivity in FTLD
Vesa Kiviniemi, *Department of Diagnsotic Radiology, Oulu University Hospital, ,*

19:30 - 19:45
109 MT: Structural Substrates for resting network disruption in temporal lobe epilepsy
Natalie Voets, *University of Oxford, Oxford, United Kingdom*

O-M2: Emotion and Motivation

Chair: Alumit Ishai

18:15 - 18:30
226 MT: Heart Rate Deceleration Predicts BOLD Activity in Default Mode Regions during Emotion Processing
Xiao-Fei Yang, *University of Southern California, Los Angeles, United States*

18:30 - 18:45
233 MT: Loss aversion is under the control of dopaminergic signaling
Alain Dagher, *McGill University, Montreal, Canada*

18:45 - 19:00
219 MT: Oxytocin enhances encoding of emotional faces under conditions of limited awareness
Manuela Sibold, *University of Freiburg, Freiburg, Germany*

19:00 - 19:15
232 MT: Dopamine-dependent cortico-subcortical network functional connectivity: association with impulsivity
David Cole, *Imperial College London, London, United Kingdom*

19:15 - 19:30
1053 WTh: Connectivity-based parcellation of the human right 'temporoparietal junction area' (TPJ)
Rogier Mars, *University of Oxford, Oxford, United Kingdom*

19:30 - 19:45
242 MT: Reward risk coding in the orbitofrontal cortex: An intracranial recording study in humans
Yansong Li, *CNRS, Lyon, France*

O-M3: Language

Chair: Nina Dronkers

18:15 - 18:30
252 WTh: Functional Changes in Language Areas of Brain Tumor Patients Revealed by fMRI and Group ICA
Hui Mao, *Emory University, Atlanta, United States*

18:30 - 18:45
359 MT: Representational Similarity Analysis Reveals Heterogeneous Networks Supporting Speech Motor Control
Zane Zheng, *Queen's University, Kingston, Canada*

18:45 - 19:00
352 MT: Auditory–motor interactions during speech production in monolingual and bilingual speakers
Oiwi Parker Jones, *Wellcome Trust Centre for Neuroimaging, London, United Kingdom*

19:00 - 19:15
299 MT: Electrophysiological correlate of pre-literate print sensitivity - a predictor for reading outcome?
Silvia Brem, *Department of Child and Adolescent Psychiatry, University of Zürich, Zürich, Switzerland*

19:15 - 19:30
330 MT: Distinct Cortical Representations for Intact Audiovisual Speech and the McGurk Effect

Laura Erickson, *Georgetown University, Washington, DC, United States*

19:30 - 19:45
346 MT: GABAergic function during speech production
Arash Fazl, *Mount Sinai Medical School, New York, United States*

O-M4: Resting State Networks

Chair: Michael Greicius

18:15 - 18:30
665 MT: Edge selection preserving the topological features of brain network
Hyekyoung Lee, *SNUH, Seoul, Korea, Republic of*

18:30 - 18:45
80 WTh: The Autism Brain Imaging Data Exchange (ABIDE) consortium: open sharing of autism resting state fMRI
Adriana Di Martino, *NYU Child Study Center*

18:45 - 19:00
554 MT: Network Analysis Could Reveal Local And Global Intelligence Fingerprint In Resting State fMRI Data
Emiliano Santarnecchi, *Department of Neurological and Sensorial Sciences, Siena, Italy*

19:00 - 19:15
739 MT: Resting state networks are characterized by high frequency BOLD fluctuations
Erik van Oort, *MIRA Institute, University of Twente, Donders Institute, Radboud University Nijmegen, Nijmegen, Netherlands*

19:15 - 19:30
476 MT: Tracking whole-brain connectivity dynamics in the resting-state
Elena Allen, *Mind Research Network, Albuquerque, United States*

19:30 - 19:45
795 WTh: Establishing homotopic inter-hemispheric regional correspondences via rest functional connectivity
Marc Joliot, *UMR5296, Université Bordeaux Segalen, CNRS, CEA, Bordeaux, France*

Tuesday, June 12, 2012, 11:00 – 12:30

O-T1: Modeling and Analysis Methods

Chair: Niko Kriegeskorte

11:00 - 11:15
648 MT: Real-time tracking and biofeedback of the default mode network
R. Cameron Craddock, *Virginia Tech Carilion Research Institution, Blacksburg, United States*

11:15 - 11:30
625 MT: Model-Based Clustering Using Generative Embedding
Kay H. Brodersen, *ETH Zurich, Zurich, Switzerland*

11:30 - 11:45
386 MT: Hierarchical Tree-Guided Brain Disease Classification
Manhua Liu, *Department of Radiology and BRIC, Chapel Hill, United States*

11:45 - 12:00
760 MT: Fast and accurate modelling of longitudinal neuroimaging data
Bryan Guillaume, *University of Warwick, Coventry, United Kingdom*

12:00 - 12:15
499 MT: Estimating BOLD Signals of Deep Brain Networks From EEG using Canonical correlation Analysis
Lavi Shpigelman, *IBM, Haifa, Israel*

12:15 - 12:30
632 MT: Capturing high-order interactions in neuroimaging data
Sergey Plis, *The Mind Research Network*

O-T2: Motor Behavior, Learning & Disorders

Chair: Geneviève Albouy

11:00 - 11:15
786 MT: Neuronal network coherent with the kinematics of observed hand movement
Xavier De Tiège, *Université Libre de Bruxelles, Brussels, Belgium*

11:15 - 11:30
784 MT: Estimation of three-dimensional movement trajectory from MEG signals
Hong Gi Yeom, *Seoul National University, Seoul, Korea, Republic of*

11:30 - 11:45
814 MT: Ventral and Dorsal Stream Dissociation During Action Recognition in the Human Brain
Giacomo Handjaras, *Laboratory of Clinical Biochemistry and Molecular Biology, University of Pisa, Pisa, Italy*

11:45 - 12:00
873 WTh: Differential contribution of BA4a and BA4p to motor learning.
Nikhil Sharma, *NINDS, Bethesda, United States*

12:00 - 12:15
866 WTh: Motor learning and offline processes of consolidation associated with rapid GABA modulation
Christel Gudberg, *University of Oxford, Oxford, United Kingdom*

12:15 - 12:30
279 WTh: Basal ganglia-cortical interactions in Parkinsonian patients
Andre Marreiros, *University of Oxford*

O-T3: Neuroanatomy

Chair: Chris Lambert

11:00 - 11:15
884 MT: Two new cytoarchitectonic areas of the human frontal pole
Sebastian Bludau, *Institute of Neuroscience and Medicine, INM-1, Juelich, Germany*

11:15 - 11:30
920 MT: The Pathway of the Middle Longitudinal Fasciculus in the human brain
Yibao Wang, *The First Affiliated Hospital of China Medical University, ShenYang, China*

11:30 - 11:45
823 MT: Receptor-based parcellation of the human inferior parietal lobule and its implication for function
Svenja Caspers, *Institute of Neuroscience and Medicine, INM-2, Research Center Julich, Julich, Germany*

11:45 - 12:00
889 MT: Surface Gradient Comparison of Myelin and fMRI: Architectonic and Functional Border Co-localization
Matthew Glasser, *Washington University in St. Louis, St. Louis, United States*

12:00 - 12:15
870 MT: A cross-modal, cross-species comparison of connectivity analyses in the primate cortex
Andrew Reid, *Montreal Neurological Institute, Montreal, Canada*

12:15 - 12:30
917 MT: Damage to white matter pathways in chronic visuospatial neglect
Michel Thiebaut de Schotten, *Institute of Psychiatry, London, United Kingdom*

O-T4: Perception and Attention

Chair: Yanchao Bi

11:00 - 11:15
940 MT: Efficient Visual Search Elicits Sustained Broadband Gamma Activity in the Dorsal Attention Network
Tomas Ossandon, *INSERM U1028, CNRS UMR5292, Lyon Neuroscience Research Center, Brain Dynamics and Cognition Team, Ly, Lyon, France*

11:15 - 11:30
1056 MT: Individually unique representations of particular objects in human inferior temporal cortex
Ian Charest, *MRC-CBSU, Cambridge, United Kingdom*

11:30 - 11:45
928 MT: Right Temporo-parietal Junction and Attentional Reorienting
Chi-Fu Chang, *National Central University, Taoyuan, Chinese Taipei*

11:45 - 12:00
1066 MT: Callosal connections and surface area of V1 predict subjective experience of binocular rivalry
Erhan Genc, *Max Planck Institute for Brain Research, Frankfurt am Main, Germany*

12:00 - 12:15
1072 MT: Is the domain organization of ventral visual pathway independent of visual experience and modality?
Chenxi He, *State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University, Beijing, China*

12:15 - 12:30
1069 MT: A Developmental Study of Face Identity Processing Using FMRI Adaptation
Frank Haist, *UC San Diego, La Jolla, United States*

Wednesday, June 12, 2012, 11:00-12:30

O-W1: Disorders 2

Chair: Mirella Dapretto

11:00 - 11:15
90 WTh: Widespread brain hyper-connectivity in children with autism
Kaustubh Supekar, *Stanford University School of Medicine, Stanford, United States*

11:15 - 11:30
78 WTh: Robust prediction of autism diagnosis from brain responses to biological motion
Malin Bjornsdotter, *Yale Child Study Center, New Haven, United States*

11:30 - 11:45
342 WTh: The neural bases of reversal learning deficits in unmedicated schizophrenia patients
Florian Schlagenhauf, *Charité Universitätsmedizin Berlin, Berlin, Germany*

11:45 - 12:00
76 WTh: Underconnectivity of STS predicts socio-cognitive deficits in Autism
Kaat Alaerts, *Katholieke Universiteit Leuven, ,*

12:00 - 12:15
334 WTh: Aberrant inter-network connectivity reflects anterior insula activity and psychosis in schizophrenia
Andrei Manoliu, *Klinikum Rechts der Isar, TU Munich, Munich, Germany*

12:15 - 12:30
133 WTh: Altered Resting State Functional Connectivity in the Limbic System in Social Anxiety Disorder
Sheeba Anteraper, *MIT*

O-W2: Higher Cognitive Functions & Social Neuroscience

Chair: Jennifer Beer

11:00 - 11:15
496 WTh: Is it time to say goodbye to the general intelligence factor 'g'?
Adam Hampshire, *University of Western Ontario, London, Canada*

11:15 - 11:30
405 WTh: Neural substrate for adaptive learning in dynamic environments
Chaohui Guo, *Zurich University, Zurich, Switzerland*

11:30 - 11:45
1100 WTh: Neural mechanisms of human communicative innovations
Arjen Stolk, *Donders Institute, Nijmegen, Netherlands*

11:45 - 12:00
421 WTh: Resting State Functional Connectivity Predicts Impulsivity in Economic Decision-making
Nan Li, *University of Science and Technology of China, Hefei, China*

12:00 - 12:15
451 WTh: The Functional Neuroanatomic Bases of Bilingual Cognitive Control Advantages in Aging
Brian Gold, *University of Kentucky*

12:15 - 12:30
1032 WTh: Functional and Structural Correlates of Social Influence in the Human Brain
Daniel Campbell-Meiklejohn,*Aarhus University, Aarhus, Denmark*

O-W3: Imaging Genetics and Informatics

Chair: Henrik Walter

11:00 - 11:15
369 WTh: Increasing Power for Voxel-wise Genome-wide Association Studies
Tian Ge, *Fudan University and The University of Warwick, Shanghai, China*

11:15 - 11:30
483 MT: A novel meta-analytic approach: Mining frequent activation patterns in neuroimaging databases
Julian Caspers, *Research Center Jülich, Jülich, Germany*

11:30 - 11:45
360 WTh: Genome-wide association analysis of working memory brain activation in a population-based sample
Gabriella Blokland, *Queensland Institute of Medical Research, Brisbane, Australia*

11:45 - 12:00
388 WTh: Relationship of Human Brain Anatomy and Gene Expression: Analysis of Allen Human Brain Atlas Data
Elaine Shen, *Allen Institute for Brain Science, Seattle, United States*

12:00 - 12:15
386 WTh: Stem-cell signaling pathways and cerebral aging: Transcriptome-wide analysis
Peter Kochunov, *Maryland Psychiatric Research Center, Baltimore, United States*

12:15 - 12:30
826 MT: High Resolution Reference Atlases of Pre-natal Human Brain
John Hohmann, *Allen Institute for Brain Science, Seattle, United States*

O-W4: Physiology, Metabolism and Neurotransmission

Chair: Biyu He

11:00 - 11:15
1001 WTh: Low frequency oscillations measured in the periphery are strongly correlated with cerebral signals
Yunjie Tong, *Mclean Hospital, Harvard University, Belmont, United States*

11:15 - 11:30
729 WTh: Reduced GABA in the Visual Cortex of Patients with NF1 – A New Perspective on the Disease Mechanism
Ines Violante, *Ibili, Portugal*

11:30 - 11:45
986 WTh: Energetic Basis of Spontaneous Fluctuations in Neuronal Activity and Neuroimaging Signals
Fahmeed Hyder, *Yale University, New Haven, United States*

11:45 - 12:00
719 MT: Metabolic and Hemodynamic Differences Among Resting-State Brain Networks
Ai-Ling Lin, *University of Texas Health Science Center at San Antonio, San Antonio, United States*

12:00 - 12:15
990 WTh: Spatiotemporal characteristics of cortical column-specific and -nonspecific BOLD and CBV fMRI signal
Chan Hong Moon, *University of Pittsburgh, Pittsburgh, United States*

12:15 - 12:30
994 WTh: Acute and Chronic Effects of Glucose on Brain Metabolism
Hao Huang, *University of Texas Southwestern Medical Center, Dallas, United States*

Thursday, June 14, 2012, 14:00-15:30

O-Th1: Brain Stimulation Methods

Chair: Peter Dechent

14:00 - 14:15
25 WTh: Role of interhemispheric connectivity in the auditory network: a combined TMS and fMRI study
Jamila Andoh, *Montreal Neurological Institute, Montreal, Canada*

14:15 - 14:30
4 WTh: Default Mode Network Functional Structure Predicts Treatment Response of Deep Brain Stimulation
Alexandre Franco, *Pontifícia Universidade Católica do Rio Grande do Sul, Porto Alegre, Brazil*

14:30 - 14:45
16 WTh: Modulation of resting state and task-related activity induced by dual motor cortex stimulation
Robert Lindenberg, *Charite University Medicine, Berlin, Germany*

14:45 - 15:00
33 WTh: MEP predicts motor recovery in chronic stroke patients undergoing 4-weeks of daily physical therapy
Fabricio Lima Brasil, *Max Planck Research School - University of Tübingen, Tübingen, Germany*

15:00 - 15:15
119 MT: Daily tDCS induces persistent functional and structural cortical changes in chronic stroke patients.
Ugwechi Amadi, *University of Oxford, Oxford, United Kingdom*

15:15 - 15:30
12 WTh: Transcranial Direct Current Stimulation (tDCS) Modulates Connectivity in Human Attention Networks
Peter Dechent, *MR-Research in Neurology and Psychiatry, Department of Cognitive Neurology, University Medicine, Goettingen, Germany*

O-Th2: Imaging Methods

Chair: Timothy Q. Duong

14:00 - 14:15
706 WTh: 'Investigating the temporal dynamics of resting state connectivity with MEG'
Adam Baker, *University of Oxford, Oxford, United Kingdom*

14:15 - 14:30
534 WTh: Human cortical layers detected with high resolution diffusion MRI at 9.4T
Alard Roebroeck, *Maastricht University, Maastricht, Netherlands*

14:30 - 14:45
665 WTh: In Vivo Human Brain Measurements of Axon Diameter Using 300 mT/m Maximum Gradient Strengths
Jennifer McNab, *A.A. Martinos Center for Biomedical Imaging, ,*

14:45 - 15:00
792 WTh: Quantification of dopamine in the human striatum in anatomical and connectivity derived subdivisions
Andri Tziortzi, *University of Oxford*

15:00 - 15:15
653 WTh: Automatic HARDI White Matter Tract Labeling with Multiple Atlas Fusion
Yan Jin, *University of California, Los Angeles, Los Angeles, United States*

15:15 - 15:30
595 WTh: Resting State fMRI Predicts Task Activation of Individual Subjects
Prantik Kundu, *NIMH*

O-Th3: Learning and Memory

Chair: Susan Bookheimer

14:00 - 14:15
845 WTh: Increased functional connectivity between hippocampus and striatum during memory consolidation
Daniel Woolley, *KU Leuven, Leuven, Belgium*

14:15 - 14:30
836 WTh: Sub-Regions in Human Entorhinal Cortex are Domain-Sensitive
Heidrun Schultz, *Department of Systems Neuroscience, University Medical Center Hamburg-Eppendorf, Hamburg, Germany*

14:30 - 14:45
887 WTh: Influence of acute bouts of submaximal exercise on working memory: An fMRI - study
Karl Koschutnig, *Karl-Franzens University, Graz, Austria*

14:45 - 15:00
829 WTh: The role of classical speech areas in auditory long-term memory
Anke Karabanov, *Danish Research Center for Magnetic Imaging, Copenhagen, Denmark*

15:00 - 15:15
870 WTh: Hippocampal and prefrontal reorganization is associated with the maturation of fact retrieval
Shaozheng Qin, *Stanford University, Stanford, United States*

15:15 - 15:30

842 WTh: Posterior Hippocampus and Fornix Contributes to Long-Term Memory Consolidation of Contextual Memory
Sicong Tu, *Neuroscience Research Australia, Sydney, Australia*

O-Th4: Lifespan Trajectories

Chair: Simon Eickhof

14:00 - 14:15
915 WTh: Responsiveness to missed chances in successful aging
Stefanie Brassen, *University Medical Center Hamburg-Eppendorf, Hamburg, Germany*

14:15 - 14:30
956 WTh: Individual Change Patterns in Elderly and the Structural Covariance of Decline
Gabriel Ziegler, *Jena University Hospital, Jena, Germany*

14:30 - 14:45
955 WTh: Differential lifespan trajectories and associations of human brain structure and function
Juan Zhou, *Duke-NUS Graduate Medical School, Singapore, Singapore*

14:45 - 15:00
945 WTh: Supervisory Experience in Midlife Slows Rate of Hippocampal Atrophy in Late Life
Chao Suo, *UNSW, Randwick, Australia*

15:00 - 15:15
922 WTh: Sex and Age effects on grey matter loss in late life - A longitudinal study of 1172 healthy elderly
Fabrice Crivello, *GIN, UMR5296 CNRS-CEA-Bordeaux University, Bordeaux, France*

15:15 - 15:30
919 WTh: Dopamine modulates episodic memories in old age
Rumana Chowdhury, *Institute of Cognitive Neuroscience, London, United Kingdom*