



NEW HORIZONS IN HUMAN BRAIN IMAGING:
A FOCUS ON BRAIN NETWORKS AND CONNECTIVITY
DECEMBER 1 – 3, 2010 • TURTLE BAY RESORT, OAHU, HI

Wednesday, December 1, 2010

7:30	Continental Breakfast
8:00 – 8:15	Arthur W. Toga – Welcome
8:15 – 8:30	Jack Van Horn – Conference Organization, Schedule, Logistics
8:30 – 9:15	John C. Mazziotta – The Myth of the Normal, Average Human Brain – The ICBM Experience: Subject Screening and Eligibility
9:15 – 10:00	Tianzi Jiang – How Brain Networks Correlate with Intelligence
10:00 – 10:45	David Abbott – Mapping Functional Brain Networks in Epilepsy
10:45 – 3:00	Break
3:00 – 3:45	Linda Chang – Multimodal Neuroimaging Studies: Applications to HIV-Associated Brain Injury
3:45 – 4:30	Jorge Riera – Stochastic Scenery for Spontaneous Ca ²⁺ Oscillations in Astrocytes: Signatures in the Restating State fMRI
4:30 – 5:15	Peter A. Bandettini – There's More There: Fluctuations and Patterns in fMRI
6:00 – 9:00	Poster Session & Reception – Oahu Room

Thursday, December 2, 2010

7:30	Continental Breakfast
8:00 – 8:45	Susumu Mori – Three-Dimensional Electronic Atlas for Quantitative Image Analysis of Human White Matter Anatomy
8:45 – 9:30	Randy McIntosh – Network Dynamics and Brain Noise: The Formula for Cognition
9:30 – 10:15	Danielle Bassett – Dynamic Reconfiguration of Human Brain Networks During Learning
10:15 – 11:00	Greg Snider – Neuromorphic Computing with Memristive Nandevices
11:00 – 3:00	Break Optional: DTI Studio Master Class with Susumu Mori
3:00 – 3:45	Michael Miller – Variability and Reliability in fMRI
3:45 – 4:30	Mark D'Esposito – Using Resting State Intrinsic Connectivity Networks to Investigate Human Cognition
4:30 – 5:15	Gary Egan – Challenges to Integrating Micro-Structural and Functional MR Measures of Brain Connectivity
Dinner on your own - See list of local/nearby restaurants for dinner suggestions	

Friday, December 3, 2010

7:30	Continental Breakfast
8:00 – 8:45	Moriah Thomason – Neural Network Connectivity in Children and Adolescents
8:45 – 9:30	Andrew Stenger – Altered Resting State Activation in Methamphetamine Users
9:30 – 10:15	Stephen Strother – The Structure of Functional Brain Connectivity Revealed by "Mind Reading" Prediction and Reproducibility Metrics in the NPAIRS Framework
10:15 – 11:00	Ching-Po Lin – Altered Anatomical Networks in Neuropsychiatric Disorders
11:00 – 3:00	Break
3:00 – 3:45	Alan Evans – MRI Analysis of Neuroanatomical Networks
3:45 – 4:30	Brian Wandell – The Human Visual Pathways: Maps, Tracts and Reading
4:30 – 5:15	Jack Van Horn – General Discussion & Closing Remarks
6:00 – 9:00	Farewell Banquet – Luau at the Pavilion