STUDY GROUP SESSION

Diffusion

Day: Tuesday, 25 April 2017
Time: 08:15-10:15
Room #: Rm 317AB

Study Group Committee: *Chair, Tim B. Dyrby, Ph.D.; Vice Chair, Maxime Descoteaux, Ph.D.; Secretary, Jennifer A McNab, Ph.D.; Past-Chair: Mara Cercignani, Ph.D.; Trainee Representative, Szabolcs Dávid, M.Sc.; SMRT Representative, Anne Marie Sawyer, B.S., R.T.(R)(MR)FSMRT*
***2017-18 Incoming Committee** : Secretary, Ivana Drobnjak, Ph.D.; Trainee Representative, Andrada Ianus, Ph.D.; SMRT Representative, Shawna L. Farquharson, M.Sc.(R)*

8:15	Introduction - Business Meeting & Announcements	Tim B. Dyrby, Ph.D. Danish Research Centre for MR, Denmark
8:25	Reflections/Flashbacks of the Diffusion Study Group Workshop 2016	Christopher Hess, M.D., Ph.D. University of California, San Francisco, USA
8:40	Introduction of virtual Tractography Challenge, TraCED	Bennett A. Landman, Ph.D. Vanderbilt University, USA
8:45	Proposal for Data Sharing & Validation of Microstructural Imaging	Julien Cohen-Adad, Ph.D. École Polytechnique, Canada *and* Tim B. Dyrby, Ph.D. Danish Research Centre for MR, Denmark
8:55	Floor Discussion on Proposal	Diffusion Study Group Committee
9:05	Electronic & Tradiational Poster Session: Ph.d. Candidate & Post Doc Presentations	
10:15	Adjournment	

Ph.D. Candidate Electronic/Traditional Poster Presenters

Robustness of Local Connectome Fingerprint Explored: Using a Multi-Center & Multi-Vendor Study	Vincent K. Lee, B.Sc. University of Pittsburgh Children's Hospital, USA
The Neonatal DTI Fiber Atlas for Studies of Brain Development at Birth	Rachel J. Steiner, B.A.(Psych.) University of Wisconsin-Madison, USA
Phase Retrieval from Q-Space Imaging for Diffusion Pore Imaging	Kerstin Demberg, M.Sc.(Phys.) German Cancer Research Center (DKFZ), Germany
Visualizing Axonal Damage in Multiple Sclerosis Using Double Diffusion Encoding MRI in a Clinical Setting	Grant K. Yang, M.E.Eng. Stanford University, USA
Solving the Free Water Elimination Estimation Problem by Incorporating T_2 Relaxation Properties	Quinten Collier, M.Sc. University of Antwerp, Belgium
Characterizing Diffusion Weighted Images Using Clustering Analysis of Spherical Harmonics (CASH)	Manish Amin, M.Sc. University of Florida, USA
Exploring the Potentials & Limitations of Improved Free-Water Elimination DTI Techniques	Rafael Neto Henriques, M.Sc. MRC Cognition & Brain Sciences Unit, UK
Translating AxCaliber on a Clinical System : 600mT/m Versus Optimized 80mT/m Protocol	Tanguy Duval, M.Sc. Polytechnique Montreal, Canada
Hybrid Modeling for Perfusion Quantification Using Intravoxel Incoherent Motion MRI	Yen-Peng Liao, M.Sc. Kyoto University, Japan

Post-Doc Electronic/Traditional Poster Presenters

Diffusion Spectrum Imaging Tractography of the Human Tongue	Nahla M. H. Elsaid, Ph.D. University of Maryland, USA
Diffusion MRI differentiated Acute Inflammation from Axonal Injury But Missed Axonal Loss	Tsen-Hsuan (Abby) Lin, Ph.D. Washington University School of Medicine, USA
Automatic Detection of Volumes Affected by Subvolume Movement	Kerstin Pannek, Ph.D. The Australian E-Health Research Centre, Australia
Impact of Prior Distribution & Central Tendency Measure on Bayesian IVIM Model Fitting	Oscar Gustafsson, Ph.D. Sahlgrenska University Hospital, Sweden
T_2 *Relaxation Rates of the Fast & Slow Bi-Exponential Diffusion Components in the* In Vivo *Corpus Callosum*	Qiuyun Fan, Ph.D. Massachusetts General Hospital, USA
In-Vivo *Whole-Brain Neurite Orientation Dispersion & Density Imaging at Sub-Millimeter Scale Using gSlider-SMS*	Elda Fischi-Gomez, Ph.D. Massachusetts General Hospital, USA
Characterization of the Ulnar Nerve Using Multislice DTI Using a Multiband Factor of 1, 2, & 3	Tina Jeon, Ph.D. Hospital for Special Surgery, USA
Cerebellar Connectivity Influences Brain Network Topology	Fulvia Palesi, Ph.D. IRCCS Fondazione C. Mondino, Italy
Providing Ground Truth Quantification of Anisotropic Diffusion MRI Imaging with a Hollow Textile Phantom	Sudhir K. Pathak, Ph.D. University of Pittsburgh, USA
A Unified Signal Readout for Reproducible Multimodal Characterisation of Brain Microstructure	Francesco Grussu, Ph.D. University College London, UK