McConnell Brain Imaging Centre (BIC) The Neuro and PERFORM Centre, Concordia University Researcher Retreat

The Neuro, 3801 University Street, de Grandpre Communications Centre, Montreal February 21, 2020

Program

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9:00	Welcome and Brief Overview of BIC and PERFORM Dr. Julien Doyon; Dr. Habib Benali
	Review of Objectives and Format Dr. Louis Collins; Ms. Lynn Roy
	Presentations from BIC Researchers (five-minute talks)
9:30	Sensory-cognitive factors associated with brain structure and function in older adults with or a risk for dementia Natalie Phillips
9:35	Rick Hoge, Director MRI
9:40	David Rudko, Director MRI pre-clinical
9:45	Neuroimaging Pathways to Addictions Marco Leyton, Ludmer Research and Training
9:50	Gassan Massarweh, Director Radiochemistry-cyclotron uni
9:55	Jean-Baptiste Poline, Co-Director Neuroinformatics, Director NeuroHub
10:00	Alan Evans, Director, Neuroinformatics
10:05	Sylvain Baillet, Director MEG; Marc Lalancette, MEG Systems Manager
10:10	Mechanisms, modeling and analysis of resting-state fMRI and high-resolution fMRI Amir Shmuel
10:15	Ongoing MRS investigations of tissue chemistry in the brain and body at BIC and PERFORM Jamie Near, Douglas Mental Health University Institute
10:20	Jean-Paul Soucy, PET Research Unit
10:25	Health Break
	Presentations from PERFORM Researchers (five minute talks)
10:40	Multimodal assessment of brain function Jean-Paul Soucy
10:45	Both theoretical and applied researches on the development of algorithms, protocols and systems for addressing challenging issues lying in the loop of data lifecycle, with special applications in eHealth Gang Li for Jun Cai

10:50	Making sense of the data trove in ultrasound data Hassan Rivaz
10:55	Glial neurotransmitters regulation, critical determinant of whole brain physiology: a computational model Obaï Bin Ka'b Ali for Habib
11:00	Pharmacological Neuroimaging Najmeh Khalili-Mahani
11:05	Coffey Lab: Audition, Sleep and Plasticity Emily Coffey
11:10	Multimodal functional data integration: applications in epilepsy and sleep studies Christophe Grova
11:15	Brain development, epigenetic processes and risk for psychopathology Linda Booij
11:20	Big Data Infrastructures for Neuroinformatics Tristan Glatard
11:25	The intersection between behaviour, psychological factors, and non-communicable chronic diseases Simon Bacon
11:30	Neural Architecture, Behaviour, and Connectivity Christopher Steele
11:35	EEG Signal Processing for BCI: From Motor Imagery to Visual Evoked Potentials Arash Mohammadi
11:40	Applied Perception Lab: Visualization, Interaction and Display in the Clinical Domain Marta Kersten-Oertel
11:45	Special Announcement Dr. Julien Doyon; Dr. Habib Benali
12:00	Lunch







