

STUDY GROUP SESSION

Title: Psychiatric MR Spectroscopy & Imaging

Day: Monday, 24 April 2017

Time: 08:15 - 10:15

Room #: Rm 317AB

Study Group Chair: Fei Du, Ph.D.; Vice Chair, Uzay E. Emir, Ph.D.; Secretary, Ulrike Dydak, Ph.D.;

Committee: Past Chair, Peter B. Barker, D.Phil.; Trainee Representative, Natalie M. Wiseman, B.Sc.; Past Trainee Representative, Tingting Shao, Ph.D.

2017-2018 Incoming Committee: Secretary, Qiyong Gong, M.D., Ph.D.; Trainee Representative, Xinyu Hu, Ph.D.

Overview: This study group will discuss recently technical developments and applications in MRS & MRI relevant to psychiatric diseases studies. Four invited presentations will be followed by five presentations from proffered papers selected by members of the study group.

8:15	Introduction - Welcome & Business Meeting	Fei Du, Ph.D. McLean Hospital, Harvard Med. School, USA
8:25	Edited MRS, Faster	Richard A. E. Edden, Ph.D. Johns Hopkins University School of Medicine, USA
8:45	CEST MRI: Emerging Applications in Neuroimaging	Ravinder Reddy, Ph.D. University of Pennsylvania, USA
9:05	Mechanistic Interpretation of Concerted Decreases of GABA & Glx in First-Episode Psychosis with Antipsychotic Treatment	Dikoma C. Shungu, Ph.D. Weill Medical College of Cornell University, USA
9:25	Psychiatric MR: The Mainstay of Psychoradiology	Qiyong Gong, M.D., Ph.D. West China Hospital of Sichuan University, China
	Proffered Paper Presentations	
9:45	<i>The Cerebellum & Brainstem Together Increase Classification Accuracy for Autism Spectrum Disorder over the Whole Brain</i>	Muriel M. K. Bruchhage, M.Sc. King's College London, UK
9:50	<i>Using 3D MEGA-LASER MRSI to Study the Role of Basal Ganglia GABA & Glx in Response Selection in Manganese Neurotoxicology</i>	Ruoyun Ma, B.Sc. Purdue University, USA
9:55	<i>Aberrant Fronto-Limbic Effective Connectivity During Repeated Fearful Face Stimuli in Body Dysmorphic Disorder & Anorexia Nervosa</i>	Rangaprakash Deshpande, Ph.D. Auburn University, USA
10:00	<i>Altered Causal Connectivity of the Anterior Cingulate Cortex in Obsessive Compulsive Disorder</i>	Fei Li, Ph.D. West China Hospital of Sichuan University, China
10:05	<i>Relationship Between Static & Dynamic Brain Functional Connectivity in Autism Spectrum Disorders</i>	Adam Liska, M.Sc. University of Trento, CIMEC, Italy
10:10	Trainee Presentation Awards	Psychiatric MR Committee
10:15	Adjournment	