

STUDY GROUP SESSION

Title: Psychiatric MR Spectroscopy & Imaging

Day: Wednesday, 11 May 2016

Time: 16:00-18:00

Room #: Hall 406 D

Study Group Chair, Peter B. Barker, D.Phil.; Vice Chair, Fei Du, Ph.D.; Secretary, Uzay E. Emir, Ph.D.;

Committee: Trainee Representative, Tingting Shao, Ph.D.; Past Chair, Jeffrey A. Stanley, Ph.D.

2016-2017 Incoming Committee: Secretary, Ulrike Dydak, Ph.D.; Trainee Representative, Natalie M. Wiseman, B.Sc.

Overview: The Study Group will discuss recent developments in MRS & MRI relevant to the study of psychiatric disease. Four invited presentations will be followed by presentations from selected proffered papers from members of the study.

16:00	Introduction - Welcome & Business Meeting	Peter B. Barker, D.Phil., Chair Fei Du, Ph.D., Vice Chair
16:15	The EU Tactics Study: Translational Adolescent & Childhood Therapeutic Interventions in Compulsive Syndromes	Steven C. R. Williams, Ph.D. King's College London, United Kingdom
16:30	fMRI & MRS to Explore the Relationship between Neuronal Circuits & Neurotransmitter Excitation/Inhibition Balance	Fei Du, Ph.D. McLean Hospital, Harvard Medical School, USA
16:50	Using MRS to Study Brain Responses to Peripheral Immune Activation in Major Depression	Ebrahim Haroon, M.D. Emory University, USA
17:10	MRS Detected GABA Levels: Relations to Behavioral & Functional Measures	Gabriele R. Ende, Dr.Rer.Nat., Ph.D. Central Institute of Mental Health, Germany
	Proffered Paper Presentations	
17:30	<i>Glutathione & Glutamate in Schizophrenia: A 7T MRS Study</i>	Jyothika Kumar, M.Sc. University of Nottingham, United Kingdom
17:35	<i>Functional Dysconnectivity in Autism Spectrum Disorder Revealed by Network-Based Statistics</i>	AmirHussein Abdolalizadeh, B.A. Students' Scientific Research Center, Iran
17:40	<i>Age-Related Alterations in Glutamatergic Neurotransmission in the Anterior & Posterior Cingulate Cortices</i>	Pui Wai (Carrie) Chiu, Ph.D. University of Hong Kong, Hong Kong
17:45	<i>Corpus Callosum Morphology & Microstructure in Late-Life Depression</i>	Daan Christiaens, M.Sc. KU Leuven MIRC, Belgium
17:50	<i>Assessing the Effects of Methylphenidate on Human Brain Development Using Pharmacological Magnetic Resonance Imaging: A Randomized Controlled Trial</i>	Anouk Schrantee, M.Sc. Academic Medical Center, The Netherlands
17:55	Wrap-up & Presentation of Awards	Psychiatric MR Committee
18:00	Adjournment	