

STUDY GROUP SESSION

MR Spectroscopy

Day: Tuesday, 25 April 2017

Time: 16:15 - 18:15

Room #: Rm 323ABC

Study Group Chair, Cristina Cudalbu, Ph.D.; **Vice Chair,** Anke Henning, Ph.D.; **Secretary,** Dennis W. J. Klomp, Ph.D.; **Past Chair,** Franklyn A. Howe, D.Phil.;

Committee: Trainee Representative, Jessica A. Bastiaansen, Ph.D.; SMRT Representative, Richard S. Dunn, R.T.(MR)

2017-2018 Incoming Committee : Secretary, Alexander P. Lin, Ph.D.; Trainee Representative, Veronika Rackayova, M.Sc.; SMRT Representative, Marius O. Mada, Ph.D.(MR)(R)

16:15	Introduction - Welcome & Business Meeting	Cristina Cudalbu, Ph.D. CIBM -EPFL, Switzerland
	Power Pitch Presentations	
16:25	<i>Interregional Associations between GABA+, Glx & BOLD Contrast Changes During Acute Pain Perception in the Human Brain – A Combined ¹H fMRS & fMRI Study</i>	Marianne Cleve, M.Sc. University Hospital Jena, Germany
16:27	<i>Automated Voxel Placement: A Linux-based Suite of Tools for Accurate & Reliable Single Voxel Coregistration</i>	Eric A. Woodcock, B.Sc. Wayne State University, USA
16:29	<i>Macromolecule Mapping with Ultrashort-TE Acquisition & Metabolite Spectral Prior</i>	Fan Lam, Ph.D. University of Illinois at Urbana-Champaign, USA
16:31	<i>Covariance Five Dimensional Echo Planar J-resolved Spectroscopic Imaging</i>	Zohaib Iqbal, B.Sc. University of California at Los Angeles, USA
16:33	<i>A Minimum-Phase Shinnar-Le Roux Spectral-Spatial Excitation RF Pulse for Water & Lipid Suppression in ¹H MRSI of Body Extremities</i>	Kexin Deng, B.A. Tsinghua University, China
16:35	<i>Effects of Iron Content on J-edited 1H MRS Measures of Cortical Glutathione Investigated In Vivo with Quantitative Susceptibility Mapping (QSM)</i>	Kofi M. Deh, M.Sc. Weill Cornell Medical College, USA
16:37	<i>Mapping the Exchange Kinetics of High-Energy Phosphates in the Human Calf Muscle by Direct 31P MRSI at 7T</i>	Andreas Korzowski, Ph.D. German Cancer Research Center (DKFZ), Germany
16:39	<i>High Resolution Dynamic ³¹P-MRSI of Ischemia-Reperfusion in Rat Hindlimb at 9.4T Using SPICE</i>	Yuchi Liu, B.Sc. Case Western Reserve University, USA
16:41	<i>Fitting Comparison for 9.4T 1D Semi-LASER & 2D-J-Resolved Semi-LASER Data</i>	Tamás Borbáth, M.Sc. Max Planck Institute, Germany
16:43	<i>Neurochemical Alterations in the Hippocampus Induced by High-Fat Diet: In Vivo Magnetic Resonance Spectroscopy</i>	Song-I Lim, B.Sc. The Catholic University of Korea, Korea
16:45	<i>Longitudinal Investigation of the Metabolome of Developing 3D Aggregating Brain Cell Cultures at Different Maturation Stages by ¹H HR-MAS NMR</i>	Gaelle Diserens, M.B.Eng. AMSM University of Bern, Switzerland
16:47	<i>Spatial Hadamard Encoding of J-Edited Spectroscopy Using Slice-Selective Editing Pulses</i>	Kimberly L. Chan, B.Sc. John Hopkins University, USA
16:50	Traditional & Electronic Poster Session & Networking	
17:35	Probing Brain Cell Structure Using Diffusion-Weighted MRS In Vivo	Julien Valette, Ph.D. CEA-MIRCen, France
17:55	Closing Remarks & Awards	MR Spectroscopy Committee
18:15	Adjournment	