

Thursday June 8th	18th Kuopio Bio-NMR Workshop: MRI of Brain Plasticity ISMRM Nordic Chapter meeting
08:30-09:00	<i>Registration</i>
	Session: Functional MRI
09:00-09:15	Opening of the workshop Dr. Olli Gröhn, Biomedical Imaging Unit, A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland
09:15-9:45	Basics of fMRI in animal models Dr. Jaakko Paasonen, University of Eastern Finland
9:45-10:30	Functional organization and dynamics of rodent connectivity networks Dr. Alessandro Gozzi, University of Trento, Italy
10:30-11:00	<i>Coffee</i>
11:00-11:45	Optogenetics and fMRI Dr. Jin Lee, Stanford University, USA
11:45-12:15	Combination of EEG and MRI biomarkers in Alzheimer's disease translational research: the contribution of the European IMI project "PharmaCog" Dr. Claudio Babiloni, Università di Roma "La Sapienza", Italy
12:15-13:15	<i>Lunch break</i>
	Session: Diffusion
13:15-13:45	Basics of diffusion MRI Dr Daniel Topgaard, Lund University, Sweden
13:45-14:30	Validation of diffusion MRI findings – correlation of diffusion MRI and tissue microstructure in damage induced plasticity Dr Alejandra Sierra Lopez, University of Eastern Finland
14:30-15:15	<i>Coffee & Posters</i>
15:15-16:00	Assessing learning induced brain plasticity using advanced microstructural diffusion MRI Dr. Yaniv Assaf, Tel Aviv University, Israel
16:00-16.45	Microstructural changes in damaged brain Dr. Jiangyang Zhang, New York University School of Medicine, USA
16:45-17:30	3 x 15 min talks selected from submitted abstracts
17:45-	<i>Social Program</i> <i>Transport from university to Jätkänkämpä</i> <i>Dinner at 18, sauna & swimming (optional) at 20</i>

Friday June 9th	18th Kuopio Bio-NMR Workshop: MRI of Brain Plasticity ISMRRM Nordic Chapter meeting
	Session: MRS and Hyperpolarized MRI
09:00-09:15	Opening of the ISMRRM Nordic Chapter Meeting Dr. Timo Liimatainen, Kuopio University Hospital
09:15-10:00	Overview and basics of hyperpolarized MRI Dr. Mikko Kettunen, University of Eastern Finland
10:00-10:30	<i>Coffee</i>
10:30-11:15	Clinical translation of hyperpolarized metabolic MR Dr. Jan Henrik Ardenkjaer-Larsen, Technical University of Denmark
11:15-12:00	Exploring metabolism with MRs and hyperpolarized MRI Dr. Małgorzata Marjańska, University of Minnesota, USA
12:00-13:00	<i>Lunch break</i>
	Session: Highlights from Nordic MRI research
13:00-13:30	Neurovascular flow at 7T Dr. Karin Markenroth-Bloch, Lund University, Sweden
13:30-14:00	Multidimensional diffusion MRI Dr. Daniel Topgaard, Lund University, Sweden
14:00-14:30	Myelin measurement in the brain using synthetic MRI Dr. Marcel Warntjes, Linköping University, Sweden
14:30-15:00	<i>Coffee</i>
15:00-15:30	fMRI to uncover the pathophysiology of different clinical conditions in patients Dr. Asta Håberg, Norwegian University of Science and Technology, Norway
15:30-15:50	2 x 10 min Highlights of Kuopio MRI Research
15:50-16:00	Closing of the 18th Kuopio Bio NMR Workshop and ISMRRM Nordic Chapter meeting Dr. Olli Gröhn, Dr. Timo Liimatainen, University of Eastern Finland