

**DAY 2 PROGRAM**

8:00 AM - 8:30 AM	<b>BREAKFAST</b>
8:30 AM - 10:30 AM	<p><b>SESSION 3 - IMAGING METABOLITES &amp; MACROMOLECULES</b></p> <p><b>Session Chair: Michael McMahon, PhD - Research Scientist, KKI; Professor of Radiology, JHU</b></p> <p><u>KEYNOTE:</u> Linda Knutsson, PhD - Research Scientist, KKI; Professor (PAR) of Neurology, JHU <i>Sugar as a Contrast Agent for MRI</i></p> <p>Jiadi Xu, PhD - Research Scientist, KKI; Associate Professor of Radiology, JHU <i>Imaging Cr, PCr, and Protein Arginine Side Chains in the Brain and Muscle</i></p> <p>Georg Oeltzschner, PhD - Assistant Professor of Radiology, JHU <i>Quantitative Neurochemistry with In-Vivo Magnetic Resonance Spectroscopy</i></p> <p>Nirbhay Yadav, PhD - Research Scientist, KKI; Associate Professor of Radiology, JHU <i>Imaging Glycogen Storage Disease in the Brain</i></p> <p>Shanshan Jiang, MD, PhD - Associate Professor of Radiology, JHU <i>Detecting Cancer Progression and Cancer Genetics Using Tissue Protein Signals</i></p> <p>Helge Zoellner, PhD - Instructor of Radiology, JHU <i>Open-Source Methods for Multi-Dimensional MRS Data Analysis</i></p> <p>Kexin Wang - PhD Student of Biomedical Engineering, JHU <i>GuanCEST in Brain Imaging: Clinical Implications and Innovations</i></p> <p>Reflections by the Chair</p>
10:30 AM - 11:00 AM	<b>COFFEE BREAK</b>
11:00 AM - 1:00 PM	<p><b>SESSION 4 - IMAGING FLUIDS &amp; PARTICLES: TRANSPORT, DELIVERY, &amp; CLEARANCE</b></p> <p><b>Session Chair: Hanzhang Lu, PhD - Professor of Radiology, JHU</b></p> <p><u>KEYNOTE:</u> Jun Hua, PhD - Research Scientist, KKI; Associate Professor of Radiology, JHU <i>Imaging the "Glymphatic" System: What Are We Measuring?</i></p> <p>Leah Rubin, PhD - Professor of Neurology, JHU <i>MR Imaging of the Blood-Brain Barrier and Inflammation in HIV</i></p> <p>Richard Leigh, MD, PhD - Associate Professor of Neurology, JHU <i>Imaging Blood-Brain Barrier Breakdown in Microvascular Disease</i></p> <p>Guanshu Liu, PhD - Research Scientist, KKI; Professor of Radiology, JHU <i>Imaging Nanoparticles and Their Transport and Delivery with MRI</i></p> <p>Jeff Bulte, PhD - Professor of Radiology, JHU <i>Magnetic Particle Imaging (MPI): What Is It Good For?</i></p> <p>Wen Shi - PhD Student of Biomedical Engineering, JHU <i>MR Imaging of Venous Transit Time</i></p> <p>Julia Stabinska, PhD - Postdoctoral Fellow of Radiology, JHU <i>MR Imaging of the Kidney</i></p> <p>Reflections by the Chair</p>
1:00 PM - 2:00 PM	<b>LUNCH BREAK</b>
2:00 PM - 4:00 PM	<p><b>SESSION 5 - IMAGING FUNCTION, PHYSIOLOGY, &amp; CONNECTIVITY</b></p> <p><b>Session Chair: Argye Hillis-Trupe, MD, M.A. - Professor of Neurology, JHU</b></p> <p><u>KEYNOTE:</u> James Pekar, PhD - Manager and Research Coordinator, F.M. Kirby Research Center, KKI; Professor of Radiology, JHU <i>I ❤️ Proxies: Noninvasive Imaging of Brain Function &amp; Connectivity</i></p> <p>Zhiliang Wei, PhD - Assistant Professor of Radiology, JHU <i>Mapping Physiology in Small Animal Models</i></p> <p>Cherie Marvel, PhD - Associate Professor of Neurology, JHU <i>Real-Time fMRI With Neurofeedback in Patients With Cerebellar Ataxia</i></p> <p>Leyla Isik, PhD - Assistant Professor of Cognitive Science, JHU <i>Social Interactions in the Brain</i></p> <p>Christopher Honey, PhD - Associate Professor of Psychological &amp; Brain Sciences, JHU <i>Words in the Brain</i></p> <p>Zhenghan Fang - PhD Student of Biomedical Engineering, JHU <i>Imaging Brain Fiber Connections with Susceptibility Tensor Imaging</i></p> <p>Lukman Ismaila, PhD - Research Scientist, KKI; Postdoctoral Fellow of Radiology, JHU <i>Functional Brain Changes Following Spinal Cord Injury</i></p> <p>Reflections by the Chair</p>
4:00 PM - 4:30 PM	<b>CLOSING SESSION</b>