

DAY 2 PROGRAM

8:00 AM - 8:30 AM	BREAKFAST
8:30 AM - 10:30 AM	SESSION 3 - IMAGING METABOLITES & MACROMOLECULES Session Chair: Michael McMahon, PhD - Research Scientist, KKI; Professor of Radiology, JHU <u>KEYNOTE:</u> Linda Knutsson, PhD - Research Scientist, KKI; Professor (PAR) of Neurology, JHU <i>Sugar as a Contrast Agent for MRI</i> 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> Georg Oeltzschner, PhD - Assistant Professor of Radiology, JHU <i>Quantitative Neurochemistry with In-Vivo Magnetic Resonance Spectroscopy</i> Nirbhay Yadav, PhD - Research Scientist, KKI; Associate Professor of Radiology, JHU <i>Imaging Glycogen Storage Disease in the Brain</i> Shanshan Jiang, MD, PhD - Associate Professor of Radiology, JHU <i>Detecting Cancer Progression and Cancer Genetics Using Tissue Protein Signals</i> Helge Zoellner, PhD - Instructor of Radiology, JHU <i>Open-Source Methods for Multi-Dimensional MRS Data Analysis</i> Kexin Wang - PhD Student of Biomedical Engineering, JHU <i>GuanCEST in Brain Imaging: Clinical Implications and Innovations</i> Reflections by the Chair
8:30 AM - 9:00 AM	
9:00 AM - 9:15 AM	
9:15 AM - 9:30 AM	
9:30 AM - 9:45 AM	
9:45 AM - 10:00 AM	
10:00 AM - 10:10 AM	
10:10 AM - 10:20 AM	
10:20 AM - 10:30 AM	
10:30 AM - 11:00 AM	COFFEE BREAK
11:00 AM - 1:00 PM	SESSION 4 - IMAGING FLUIDS & PARTICLES: TRANSPORT, DELIVERY, & CLEARANCE Session Chair: Hanzhang Lu, PhD - Professor of Radiology, JHU <u>KEYNOTE:</u> Jun Hua, PhD - Research Scientist, KKI; Associate Professor of Radiology, JHU <i>Imaging the "Glymphatic" System: What Are We Measuring?</i> Leah Rubin, PhD - Professor of Neurology, JHU <i>MR Imaging of the Blood-Brain Barrier and Inflammation in HIV</i> Richard Leigh, MD, PhD - Associate Professor of Neurology, JHU <i>Imaging Blood-Brain Barrier Breakdown in Microvascular Disease</i> Guanshu Liu, PhD - Research Scientist, KKI; Professor of Radiology, JHU <i>Imaging Nanoparticles and Their Transport and Delivery with MRI</i> Jeff Bulte, PhD - Professor of Radiology, JHU <i>Magnetic Particle Imaging (MPI): What Is It Good For?</i> Wen Shi - PhD Student of Biomedical Engineering, JHU <i>MR Imaging of Venous Transit Time</i> Julia Stabinska, PhD - Postdoctoral Fellow of Radiology, JHU <i>MR Imaging of the Kidney</i> Reflections by the Chair
11:00 AM - 11:30 AM	
11:30 AM - 11:45 AM	
11:45 AM - 12:00 PM	
12:00 PM - 12:15 PM	
12:15 PM - 12:30 PM	
12:30 PM - 12:40 PM	
12:40 PM - 12:50 PM	
12:50 PM - 1:00 PM	
1:00 PM - 2:00 PM	LUNCH BREAK

2:00 PM - 4:00 PM	●	SESSION 5 - IMAGING FUNCTION, PHYSIOLOGY, & CONNECTIVITY Session Chair: Argye Hillis-Trupe, MD, M.A. - Professor of Neurology, JHU <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 & Connectivity</i> Zhiliang Wei, PhD - Assistant Professor of Radiology, JHU <i>Mapping Physiology in Small Animal Models</i> Cherie Marvel, PhD - Associate Professor of Neurology, JHU <i>Real-Time fMRI With Neurofeedback in Patients With Cerebellar Ataxia</i> Leyla Isik, PhD - Assistant Professor of Cognitive Science, JHU <i>Social Interactions in the Brain</i> Christopher Honey, PhD - Associate Professor of Psychological & Brain Sciences, JHU <i>Words in the Brain</i> Zhenghan Fang - PhD Student of Biomedical Engineering, JHU <i>Imaging Brain Fiber Connections with Susceptibility Tensor Imaging</i> Lukman Ismaila, PhD - Research Scientist, KKI; Postdoctoral Fellow of Radiology, JHU <i>Functional Brain Changes Following Spinal Cord Injury</i>
2:00 PM - 2:30 PM		
2:30 PM - 2:45 PM		
2:45 PM - 3:00 PM		
3:00 PM - 3:15 PM		
3:15 PM - 3:30 PM		
3:30 PM - 3:40 PM		
3:40 PM - 3:50 PM		
3:50 PM - 4:00 PM	●	Reflections by the Chair
4:00 PM - 4:30 PM	●	CLOSING SESSION