

Frontiers in Imaging 2023 Hampton Symposium Agenda

Friday, March 17, 2023

O’Keeffe Auditorium, Blake Building, 1st Floor, MGH

12:00-12:04	Welcome and Introduction	James A. Brink, MD
12:04-12:08	Stan Baum Memorial	T. Gregory Walker, MD FSIR
12:08-12:10	Introduction of the Distinguished Alumnus	James A. Brink, MD
12:10-12:50	New Paradigm for Imaging ADPKD – a Systemic Disorder	Martin Prince, MD, PhD, FACR
12:50-12:55	Questions and Answers	
12:55-1:00	Session Introduction	Raul Uppot, MD
1:00-1:15	Introduction to the Laboratories for Computational Neuroimaging	Bruce Fischl, PhD
1:15-1:17	Pulse Sequences for Brain Imaging with MRI	André van der Kouwe, PhD
1:17-1:19	Strategies for Motion Artifact Correction in Brain MRI	André van der Kouwe, PhD Robert Frost, PhD
1:19-1:21	Neuroimaging Challenges of the Developing Human Brain	Lilla Zöllei, PhD
1:21-1:23	Multimodal, Multiscale Imaging Integration of the Postmortem Infant Brainstem	Caroline Magnain, PhD
1:23-1:25	Microscopic Connectome of the Human Brain	Hui Wang, PhD
1:25-1:27	Estimation of the Spatial Gradient of the MR Image from the Diffusion Profile	Iman Aganj, PhD
1:27-1:29	Partial Volume Effects Masquerading as Hypometabolism in PET Imaging of Alzheimer’s Disease	Doug Greve, PhD
1:29-1:31	Tau Vulnerability within Entorhinal Subregions in Aging and Alzheimer’s Disease	Jean Augustinack, PhD
1:31-1:33	Universal AI Tools for Image Analysis	Adrian Dalca, PhD
1:33-1:35	Synth*: Robust Deep-Learning Methods for Brain Image Analysis	Malte Hoffmann, PhD

1:35-1:37	SynthSR: A Public AI Tool to Turn Heterogeneous clinical and portable brain MRI into high-resolution T1 images for 3D morphometry	Juan Eugenio Iglesias, PhD
1:37-2:10	Break and Poster Viewing in the O’Keeffe Hallway	
2:10-2:15	Novel Instruments & Their Applications	Bruce Rosen, MD, PhD
2:15-2:25	MPI Scanner	Lawrence L. Wald, PhD
2:25-2:35	PET Scanner Approaching in Vivo Autoradiographic Neuro Tomography (SAVANT)	Georges El Fakhri, PhD, DABR
2:35-2:45	PET/MR 7T System	Cipran Catana, MD, PhD
2:45-2:55	Neuro-Monitoring with Diffuse Optical Methods	Maria A. Franceschini, PhD
2:55-3:05	Connectome 2.0 System	Susie Yi Huang, MD, PhD
3:05-3:15	OPM/TMS System	Padmavathi Sundaram Patel, PhD
3:15-3:25	Organ Specific SPECT Scanners	Hamid Sabet, PhD
3:25-3:35	Technical Development of Multichannel Arrays for Concurrent Transcranial Magnetic Stimulation and Magnetic Resonance Imaging	Aapo Nummenmaa, PhD
3:35-3:45	Center for Machine Learning	Juan Eugenio Iglesias, PhD Mathew Rosen, PhD
3:45-4:00	Panel Discussion	Raul Uppot, MD

The 53rd Annual Aubrey O. Hampton Lecture Dinner

6:00-6:45	Cocktails	
6:45-7:00	Introduction to Hampton Lecturer	James A. Brink, MD
7:00-7:45	“20 Years of NIBIB: from Controversial Concept to Institute of the Future” Bruce J. Tromberg, PhD	
7:45-10:00	Dinner and Dancing	