

Frontiers in Molecular and Functional Imaging Symposium & Molecular Imaging Program Annual Retreat

Friday, October 20, 2017

Integrative Biosciences Center (IBio Bldg.), 6135 Woodward, Detroit, Michigan

Time	Title	Name & Institution
8:00 AM	<i>Registration, Continental Breakfast</i>	
8:30 AM	<i>Welcoming Remarks</i>	<i>Farshad Fotouhi</i>
8:40 AM	Automated Reflection and Transmission Ultrasound Integrated with 3D Mammography - ARTIMUS	Paul Carson, Ph.D., University of Michigan
9:00 AM	Use of PET imaging to study drug pharmacokinetics and pharmacodynamics	Anthony Shields, M.D., Ph.D. Wayne State University and Karmanos Cancer Institute
9:20 AM	Alpha Particle Targeted Radioimmunotherapy	Kurk R. Zinn, DVM, Ph.D., Michigan State University
9:40 AM	Divalent Europium in Magnetic Resonance Imaging	Matthew Allen, Ph.D., Wayne State University
10:00 AM	Molecular and cellular imaging with MRI and CT: A tale of two modalities	Erik M. Shapiro, Ph.D., Michigan State University
10:20 AM	PET Imaging of IFN- as a Measure of Response to Immunotherapy	Nerissa Viola-Villegas, Ph.D., Wayne State University School of Medicine
10:40 AM	Evaluation of cerebral structural, functional, and metabolic abnormalities with combined PET/MRI analysis	Csaba Juhasz, M.D., Ph.D., Wayne State University School of Medicine and Children's Hospital of Michigan
11:00 AM	An Advanced Photoacoustic Tomography System Based on a Ring Geometry Design	Mohammad Mehrmohammadi, Ph.D., Wayne State University and Karmanos Cancer Institute
11:20 AM	Ultrasound Tomography for Breast Cancer Screening	Neb Duric, Ph.D., Wayne State University and Karmanos Cancer Institute
11:40 AM	<i>Lunch/Student Poster Competition (11 posters accepted)</i>	<i>Stephen Lanier, Ph.D., Vice President, Research, Wayne State University</i>
1:10 PM	Molecular Imaging of HDACs4/5 and SIRT1 Expression-Activity and Pharmacologic Inhibition in Glioma Models in Rats.	Juri Gelovani, M.D., Ph.D., Wayne State University and Karmanos Cancer Institute
1:30 PM	Functional MRI investigations: Resting state connectivity and multivariate pattern analysis	Scott Peltier, Ph.D., University of Michigan
1:50 PM	Oxidative stress and its functional consequences measured in vivo using MRI	Bruce Berkowitz, Ph.D., Inaugural FARVO, Wayne State University School of Medicine
2:10 PM	Molecular and Functional Imaging of Articular Cartilage at Microscopic Resolution	Yang Xia, Ph.D., Oakland University
2:30 PM	Cerebral Thermoregulatory Control of Brown Adipose Tissue: a PET/fMRI Study	Otto Muzik, Ph.D., Wayne State University School of Medicine
2:50 PM	Microscopy, Imaging and Cytometry Resources (MICR) Core Facility	Kamiar Moin, Ph.D., Wayne State University School of Medicine
3:10 PM	Spatiotemporal Modeling and Live-Cell Imaging of Proteolysis in the 3D Tumor Microenvironment	Bonnie Sloane, Ph.D., Wayne State University School of Medicine
3:30 PM	A method often in search of a question: fMRI applications in revealing brain function and dysfunction at the macroscopic scale	Vaibhav Diwadkar, Ph.D., Wayne State University School of Medicine
3:50 PM	Introducing different approaches to diagnose skin melanoma	Mohammadreza Nasiriavanaki, Ph.D., Wayne State University College of Engineering
4:10 PM	High Resolution Acoustic Microscopy for Skin Melanoma Diagnosis	Roman Maev, Wayne State University School of Medicine
4:30 PM	<i>Closing</i>	<i>Juri Gelovani</i>