

Date	Presenter	Title	University
2/12/20	Nathan Rowland, PhD	Methodological approach to understanding effect of deep brain stimulation using MEG	MUSC
1/8/20	Chris Kroenke, PhD	Consequences of alcohol exposure on fetal growth determined by in utero MRI	Ohio State University
11/13/19	Peter Kalivas, PhD	Imaging cellular correlates of cue-induced drug relapse	MUSC
10/9/19	Aicko Schumann, PhD	From Phase-Synchronization to Cross-Modulations in Physiological Time Series Data	MUSC
9/11/19	Gregory Sahlem, PhD	Translating Transcranial Magnetic Stimulation: From Neuroimaging in Depression to a Potential Treatment for Cannabis Use Disorder	MUSC
6/19/19	Jason Mattingley, PhD	Understanding the neural processes involved in integrated perceptual decisions	University of Queensland
5/22/19	Joseph Schacht, PhD	Of medicines and magnets: New directions in treatment development for alcohol use disorder	MUSC
5/8/19	Jane Joseph, PhD	Development of the face network: A developing picture from fMRI	MUSC
4/24/19	Takashi Sato, PhD	Selective sensorymotor communication in reciprocal connectivity of mouse fronto-parietal cortex	MUSC
4/10/19	Catrina Robinson, PhD	Molecular mechanisms underlying diet-induced memory deficits	MUSC
3/13/19	Peter Bandettini, PhD	Mapping human layer-specific activation and connectivity with fMRI	NIH
2/27/19	Hesheng Liu, PhD	Mapping Functional Connectivity Networks in Individual Subjects for Personalized Medicine	Harvard
1/23/19	Susumu Mori, PhD	Can Computers Diagnose Brain MR Images?	Johns Hopkins University
1/9/19	Kristine Wilckens, PhD	Prefrontal cortex stimulation: enhancement of memory and executive function through slow-wave sleep	University of Pittsburgh
12/12/18	John Richards, PhD	About Face!! Brain Areas Supporting Face Processing in Adults (and infants, children)	University of South Carolina

12/5/18	Davud Asemani, PhD	Novel Morphometry Methods for longitudinal brain studies: Flow-analysis, voxel-based morphometry and deformation-based morphometry	MUSC
11/14/18	Bashar Badran, PhD	Exploration and Development of Emerging Forms of Neuromodulation	MUSC
11/7/18	Richard Edden, PhD	Edited Magnetic Resonance Spectroscopy	John Hopkins University
10/24/18	Colleen Hanlon, PhD	From mapping to modulation: 7 brain imaging studies that have helped pave a novel pathway for addiction treatment.	MUSC
10/10/18	Dorothea Jenkins, PhD	Neonatal Brain Imaging: Key metrics in translating therapies to babies	MUSC
9/26/18	Logan Dowdle, PhD Candidate	Buckle Up: A Guide to Fast fMRI	MUSC
6/13/18	Emilie Mckinnon, Biomedical Imaging Graduate Student	Fiber Ball Imaging: Analysis	MUSC
5/23/18	Vitria Adisetiyo, PhD., Emilie Mckinnon, Hunter Moss, Golbarg Tarighat Saber, PhD. and Jens Jensen, PhD.	Flash Talks from the MUSC Presenters at International Society for Magnetic Resonance in Medicine (ISMRM)	MUSC
5/9/18	James J. Prisciandaro, PhD	In Vivo Measurement of Neurometabolites using Proton Magnetic Resonance Spectroscopy	MUSC
4/25/18	Jens Jensen, PhD	Fiber Ball Imaging	MUSC
4/11/18	Rano Chatterjee, M.D.	High Resolution MR Intracranial Vessel Wall Imaging: Challenges in Developing, Validating, and Finding Clinical Application for a Novel Imaging Biomarker	MUSC
10/19/17	Karen Seymour, PhD	Emotion Dysregulation in Children with Attention Deficit/Hyperactivity Disorder (ADHD)	Johns Hopkins University

2/16/2017	Keith Thulborn, MD, PhD	Quantitative metabolic ²³ Na and ¹⁷ O MRI imaging at ultra-high field: cell volume fraction and cerebral metabolic rate of oxygen consumption	University of Illinois Chicago
1/23/2017	Ravi Menon, PhD, FCAHS	Structure and function of the human and non- human primate brain at ultra-high magnetic fields	The University of Western Ontario Canada
12/2/2016	Dorian Pustina, PhD	Building predictive models from multimodal neuroimaging: examples from epilepsy and post-stroke aphasia	The University of Pennsylvania
11/21/2016	Hanzhang Lu, PhD	Magnetic Resonance Imaging of Brain Physiology	John Hopkins University
10/18/2016	Andy Shih, PhD	Vasomotion as a Link Between Neuronal and Resting State Functional Connectivity	MUSC
9/23/2016	Sook-Lei Liew, OTR/L	Big Data Neuroimaging and Neuromodulation to Promote Motor Recovery after Stroke	University of Southern California
6/28/2016	Yash Tiwari, PhD	MRI Biomarkers in Experimental Ischemic Stroke	University of Texas
1/19/2016	Joe Carson, PhD	3D Imaging at Low Cost: A Marriage of Medical and Astronomy Tools	College of Charleston
12/1/2015	Jeff Barnes, MS	MassArray Technology from Agena Bioscience: A Versatile and Scalable Targeted Genomics Platform	Agena
11/17/2015	Brian Wandell, PhD	New Methods for measuring activity, connections, and tissue properties in the living human brain	Stanford University
11/2/2015	Dale Mugler, PhD	Digital Hermite Functions for Medical Signal and Image Analysis	University of Akron (Ret)
9/15/15	Thomas Naselaris, PhD	Using Mental Imagery to Probe Feedback in the Human Visual System	MUSC
6/16/2015	William Hill, PhD	Bad to the Bone: Age-Related Changes in Mesenchymal Stem Cell miRNAs and Their effect on the CXCL12 (SDF-1) Axis and Osteogenesis	Georgia Regents University
5/19/2015	Deanna Adkins, PhD	Changes in Diffusion MRI following	MUSC

2/26/2015	Susanne Van Veluw, PhD	Cerebral Microinfarcts: The Invisible Lesions	Univ. Medical Center Utrecht
1/15/2015	Joseph Piven, MD	The Infant Brain Imaging Study (IBIS): Insights into the Early Development of Autism	University of North Carolina
12/16/2014	Ashish Raj, PhD	Graph Models of Brain Structure, Function and Disease	Cornell
9/16/2014	Xingbao Li, PhD	Interleaved TMS/Pharmacological fMRI: A New Neuroscience Tool	MUSC
9/2/2014	Gilberto Prudencio	Preclinical Image Guided Micro Irradiation	Xstrahl Sales Rep
8/19/2014	Carlo DeCecco, MD	MR Imaging in Rectal Tumors: Actual Strategies and New Imaging Techniques	MUSC
8/5/2014	Andy Shih, PhD	Small strokes, big consequences: In vivo two- photon imaging of small vessel pathology in the mouse brain	MUSC
5/6/2014	Anna-Liisa Nieminen, PhD	Dissecting the Death Pathways during Oxidative Damage with Confocal /Multiphoton Microscopy	MUSC
4/22/2014	Aikaterini Kotrotsou	Ex-vivo MR volumetry in age-related neurodegenerative pathologies	Illinois Institute of Technology
4/15/2014	Frank Alexis, PhD	Biodegradable and Biocompatible Imaging Agents	Clemson University
4/1/2014	Jennifer Wu, PhD	Innate Immunity: The Essential Flavor of Tumor Immunity	MUSC
3/28/2014	Fadel Zeidan, PhD	Behavioral and Neural mechanisms Supporting Mindfulness Meditation-Related Pain Relief: Implications for Clinical Pain	Wake Forest School of Medicine
3/18/2014	DeAnna L. Adkins, PhD	Diffusion MRI Biomarker of Stroke Related Brain Plasticity	MUSC
3/12/2014	Lotta Granholm, PhD	Down Syndrome and Alzheimer's Disease: Towards a Better Understanding	MUSC

3/12/2014	Ralph A. Nixon, PhD, MD	The Lysosomal Network: The Achilles' Heel of Neurons in Neurodegenerative Disease Pathogenesis	NYU Langone Medical Center
3/4/2014	Tong Ye, PhD	Optical Molecular Imaging: From Laser Spectroscopy to Microscopy	Clemson University
2/18/2014	Jeffrey J. Borckardt, PhD	Pain, the Brain and Emotional Regulation	MUSC
2/4/2014	Peisheng Xu, PhD	Stimuli-Responsive Polymer Based Nanomaterials for Targeted Drug Delivery	University of South Carolina
1/31/2014	Brent Munsell, PhD	Using Deep Learning to Predict Autism in Infants Prior to 24 Months of Age	College of Charleston
1/31/2014	Joseph Helpert, PhD	From Zeugmatography to MRI to the Nobel Prize and Beyond	MUSC
1/21/2014	Paul Sajda, PhD	Simultaneous EEG-fMRI: Why Bother?	Columbia University
1/16/2014	Fadel Zeidan, PhD	Brief Mindfulness-Based Mental Training Reduces Pain: Insight from the Brain	Wake Forest School of Medicine
1/7/2014	Carol De Cecco, MD	Dual Energy CT: Cardiovascular and Oncologic Applications	MUSC
12/17/2013	Ron Kikinis, MD	Medical Image Computing in the Procedure Room	Harvard Medical School
12/3/2013	Satish Nadig, MD, PhD	Targeted Drug Delivery in Solid Organ Transplantation: An Emerging Concept	MUSC
11/19/2013	Marty Pagel, PhD	Picturing the Future of Cancer Health Care with CEST MRI	University of Arizona
11/5/2013	Amanda LaRue, PhD	A Role for Hematopoietic Stem Cells in Bone Repair	MUSC
10/15/2013	Deqiang Qiu, PhD	Quantitative Susceptibility Mapping and Human Brain Imaging using Ultrasmall Superparamagnetic Iron Oxide	Emory University
9/17/2013	Joseph Schoepf, MD	Imaging the Heart	MUSC
6/17/2013	Ziying Yin, PhD	MR Imaging and Elastography: Applications to Cartilage Tissue Engineering and Regeneration	Univ. of Illinois
6/7/2013	Dominique Duncan, PhD	Network analysis of Intracranial EEG	Yale University

1/16/2013	Mark George, MD	The Exciting History of Brain Imaging Research at MUSC: The Risque Untold Story	MUSC
1/16/2013	Maurice Weaver	Applications of micro PET/CT Imaging in Medical Research	Siemens
1/16/2013	Vivek Shinde Patil, PhD	In Vivo Imaging of Disease and Therapy	Perkin Elmer
12/18/2012	Yun Zhu, PhD	Dual inhibition on src and MAPK potentially sensitize chemoresistant ovarian cancer cells	Georgia State
12/3/2012	Vitria Adisetiyo, PhD	Quantitative Characterization of Brain Microstructure and Iron Homeostasis in Attention-Deficit/Hyperactivity Disorder from Childhood through Adolescence	NYU
10/22/2012	Michael Schultz, PhD	Radiochemistry and Applications for PET Radionuclide Ga-68 - An Increasing Role for Molecular Imaging	Univ. of Iowa Hospitals and Clinics
10/12/2012	Denise Benoit, PhD	Engineering nanoparticle-protein associations for protein crystal nucleation and nanoparticle arrangement	Rice University
6/9/2012	David Arrington, MD, PhD	Protective techniques in CT-guided Percutaneous Hepatic Ablations	MUSC
6/9/2012	Nicole Horst, MD	Preliminary Evaluation of High Pitch, Dual Source Computed Tomography Enterography for Radiation Exposure Reduction	MUSC
6/9/2012	Ed Hui, PhD	Assessment of white matter microstructural integrity with diffusional kurtosis imaging	MUSC
6/9/2012	Dan Boulter, MD	Prevalence of Missed Infarcts and Other Inaccurate Findings at CT Perfusion for Acute Stroke Patients	MUSC
6/9/2012	Gayatri Joshi, MD	Cancer Risks associated with Chest CT	MUSC
6/9/2012	Lei Jiang, PhD	Real Time Motion Tracking and Correction Using Active Markers for Brain MRI	MUSC
6/9/2012	Mark Ahlman, MD	The Utility of Dual-Point FDG PET for Imaging Neoplasms of the Brain	MUSC
6/9/2012	Andreana Benitez, PhD	Cognitive processing speed and Diffusional Kurtosis Imaging in normal aging, Mild Cognitive Impairment and Alzheimer's Disease	MUSC

6/9/2012	Jim Thrall, MD	Radiology in the Age of Precision Medicine	Massachusetts General
3/12/2012	Erik Shapiro, PhD	Molecular and Cellular MRI of Cancer: A theranostic vision	Yale University
1/30/2012	Jeff Binder, MD	fMRI in Anterior Temporal Epilepsy Surgery: The FATES Study	Medical College of Wisconsin
11/17/2011	Els Fieremans, PhD	Assessment of white matter microstructural integrity with diffusional kurtosis imaging	NYU
10/28/2011	Chris Richards, PhD	Optical and Spatial Isolation of Membrane Receptors for Single Event Imaging	California Institute of Technology
10/22/2011	Peter Van Zihl, PhD	MRI in the 21st Century: Functional, Physiological and Molecular Imaging of the Human Brain	Kennedy Krieger Institute
10/22/2011	Ed Wu, PhD	Preclinical MRI Research for Basic Life Sciences: Past, Present, and Future	University of Hong Kong
10/21/2011	Rod Pettigrew, MD, PhD	Convergence Science and the Public' Health	NIBIB
9/16/2011	Juri G. Gelovani, PhD	Advances in molecular-genetic, epigenetic, and cellular imaging in vivo	Anderson Cancer Center
8/11/2011	Lei Jiang, PhD	Development and Application of Advanced MRI and Connectivity Modeling Techniques	Georgia Tech & Emory University
7/7/2011	Ann Marie Broome, PhD	Molecular Imaging Gets Personal: Targeting the Cancer Signature	Case Western Reserve University
6/10/2011	Ed Hui, PhD	Mapping Microstructural Alterations in Ischemic Tissues using Diffusional Kurtosis Imaging	Univ. of Texas Health Science Center
3/24/2011	Ron Meyer, PhD	BOLD mechanisms and application in skeletal muscle	Michigan State University

