<table>
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<tr>
<th>Date</th>
<th>Presenter, PhD</th>
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<th>University</th>
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<tr>
<td>2/12/20</td>
<td>Nathan Rowland</td>
<td>Methodological approach to understanding effect of deep brain stimulation using MEG</td>
<td>MUSC</td>
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<td>1/8/20</td>
<td>Chris Kroenke</td>
<td>Consequences of alcohol exposure on fetal growth determined by in utero MRI</td>
<td>Ohio State University</td>
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<td>11/13/19</td>
<td>Peter Kalivas</td>
<td>Imaging cellular correlates of cue-induced drug relapse</td>
<td>MUSC</td>
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<td>10/9/19</td>
<td>Aicko Schumann</td>
<td>From Phase-Synchronization to Cross-Modulations in Physiological Time Series Data</td>
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<td>9/11/19</td>
<td>Gregory Sahlem</td>
<td>Translating Transcranial Magnetic Stimulation: From Neuroimaging in Depression to a Potential Treatment for Cannabis Use Disorder</td>
<td>MUSC</td>
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<td>6/19/19</td>
<td>Jason Mattingley</td>
<td>Understanding the neural processes involved in integrated perceptual decisions</td>
<td>University of Queensland</td>
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<td>5/22/19</td>
<td>Joseph Schacht</td>
<td>Of medicines and magnets: New directions in treatment development for alcohol use disorder</td>
<td>MUSC</td>
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<td>5/8/19</td>
<td>Jane Joseph</td>
<td>Development of the face network: A developing picture from fMRI</td>
<td>MUSC</td>
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<td>4/24/19</td>
<td>Takashi Sato</td>
<td>Selective sensormotor communication in reciprocal connectivity of mouse fronto-parietal cortex</td>
<td>MUSC</td>
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<td>4/10/19</td>
<td>Catrina Robinson, PhD</td>
<td>Molecular mechanisms underlying diet-induced memory deficits</td>
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<td>3/13/19</td>
<td>Peter Bandettini</td>
<td>Mapping human layer-specific activation and connectivity with fMRI</td>
<td>NIH</td>
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<td>2/27/19</td>
<td>Hesheng Liu</td>
<td>Mapping Functional Connectivity Networks in Individual Subjects for Personalized Medicine</td>
<td>Harvard University</td>
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<td>1/23/19</td>
<td>Susumu Mori</td>
<td>Can Computers Diagnose Brain MR Images?</td>
<td>Johns Hopkins University</td>
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<tr>
<td>1/9/19</td>
<td>Kristine Wilckens</td>
<td>Prefrontal cortex stimulation: enhancement of memory and executive function through slow-wave sleep</td>
<td>University of Pittsburgh</td>
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<tr>
<td>12/12/18</td>
<td>John Richards</td>
<td>About Face!! Brain Areas Supporting Face Processing in Adults (and infants, children)</td>
<td>University of South Carolina</td>
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<td>12/5/18</td>
<td>Davud Asemani, PhD</td>
<td>Novel Morphometry Methods for longitudinal brain studies: Flow-analysis, voxel-based morphometry and deformation-based morphometry</td>
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<td>11/14/18</td>
<td>Bashar Badran, PhD</td>
<td>Exploration and Development of Emerging Forms of Neuromodulation</td>
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<td>11/7/18</td>
<td>Richard Edden, PhD</td>
<td>Edited Magnetic Resonance Spectroscopy</td>
<td>John Hopkins</td>
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<td>10/24/18</td>
<td>Colleen Hanlon, PhD</td>
<td>From mapping to modulation: 7 brain imaging studies that have helped pave a novel pathway for addiction treatment.</td>
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<td>10/10/18</td>
<td>Dorothea Jenkins, PhD</td>
<td>Neonatal Brain Imaging: Key metrics in translating therapies to babies</td>
<td>MUSC</td>
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<td>9/26/18</td>
<td>Logan Dowdle, PhD Candidate</td>
<td>Buckle Up: A Guide to Fast fMRI</td>
<td>MUSC</td>
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<td>6/13/18</td>
<td>Emilie Mckinnon, Biomedical Imaging Graduate Student</td>
<td>Fiber Ball Imaging: Analysis</td>
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<td>5/23/18</td>
<td>Vitria Adisetiyo, PhD, Emilie Mckinnon, Hunter Moss, Golbarg Tarighat Saber, PhD. and Jens Jensen, PhD.</td>
<td>Flash Talks from the MUSC Presenters at International Society for Magnetic Resonance in Medicine (ISMRM)</td>
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<td>5/9/18</td>
<td>James J. Prisciandaro, PhD</td>
<td>In Vivo Measurement of Neurometabolites using Proton Magnetic Resonance Spectroscopy</td>
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<td>Jens Jensen, PhD</td>
<td>Fiber Ball Imaging</td>
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<td>4/11/18</td>
<td>Rano Chatterjee, M.D.</td>
<td>High Resolution MR Intracranial Vessel Wall Imaging: Challenges in Developing, Validating, and Finding Clinical Application for a Novel Imaging Biomarker</td>
<td>MUSC</td>
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<td>10/19/17</td>
<td>Karen Seymour, PhD</td>
<td>Emotion Dysregulation in Children with Attention Deficit/Hyperactivity Disorder (ADHD)</td>
<td>Johns Hopkins</td>
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<td>2/16/2017</td>
<td>Keith Thulborn, MD, PhD</td>
<td>Quantitative metabolic 23Na and 17O MRI imaging at ultra-high field: cell volume fraction and cerebral metabolic rate of oxygen consumption</td>
<td>University of Illinois Chicago</td>
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<td>1/23/2017</td>
<td>Ravi Menon, PhD, FCAHS</td>
<td>Structure and function of the human and non-human primate brain at ultra-high magnetic fields</td>
<td>The University of Western Ontario Canada</td>
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<td>12/2/2016</td>
<td>Dorian Pustina, PhD</td>
<td>Building predictive models from multimodal neuroimaging: examples from epilepsy and post-stroke aphasia</td>
<td>The University of Pennsylvania</td>
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<td>11/21/2016</td>
<td>Hanzhang Lu, PhD</td>
<td>Magnetic Resonance Imaging of Brain Physiology</td>
<td>John Hopkins University</td>
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<td>10/18/2016</td>
<td>Andy Shih, PhD</td>
<td>Vasomotion as a Link Between Neuronal and Resting State Functional Connectivity</td>
<td>MUSC</td>
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<td>9/23/2016</td>
<td>Sook-Lei Liew, OTR/L</td>
<td>Big Data Neuroimaging and Neuromodulation to Promote Motor Recovery after Stroke</td>
<td>University of Southern California</td>
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<td>6/28/2016</td>
<td>Yash Tiwari, PhD</td>
<td>MRI Biomarkers in Experimental Ischemic Stroke</td>
<td>University of Texas</td>
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<td>1/19/2016</td>
<td>Joe Carson, PhD</td>
<td>3D Imaging at Low Cost: A Marriage of Medical and Stronomy Tools</td>
<td>College of Charleston</td>
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<td>12/1/2015</td>
<td>Jeff Barnes, MS</td>
<td>MassArray Technology from Agena Bioscience: A Versatile and Scalable Targeted Genomics Platform</td>
<td>Agena</td>
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<td>11/17/2015</td>
<td>Brian Wandell, PhD</td>
<td>New Methods for measuring activity, connections, and tissue properties in the living human brain</td>
<td>Stanford University</td>
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<td>11/2/2015</td>
<td>Dale Mugler, PhD</td>
<td>Digital Hermite Functions for Medical Signal and Image Analysis</td>
<td>University of Akron (Ret)</td>
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<td>9/15/15</td>
<td>Thomas Naselaris, PhD</td>
<td>Using Mental Imagery to Probe Feedback in the Human Visual System</td>
<td>MUSC</td>
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<td>6/16/2015</td>
<td>William Hill, PhD</td>
<td>Bad to the Bone: Age-Related Changes in Mesenchymal Stem Cell miRNAs and Their effect on the CXCL12 (SDF-1) Axis and Osteogenesis</td>
<td>Georgia Regents University</td>
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<td>5/19/2015</td>
<td>Deanna Adkins, PhD</td>
<td>Changes in Diffusion MRI following</td>
<td>MUSC</td>
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<td>2/26/2015</td>
<td>Susanne Van Veluw, PhD</td>
<td>Cerebral Microinfarcts: The Invisible Lesions</td>
<td>Univ. Medical Center Utrecht</td>
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<td>1/15/2015</td>
<td>Joseph Piven, MD</td>
<td>The Infant Brain Imaging Study (IBIS): Insights into the Early Development of Autism</td>
<td>University of North Carolina</td>
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<td>12/16/2014</td>
<td>Ashish Raj, PhD</td>
<td>Graph Models of Brain Structure, Function and Disease</td>
<td>Cornell</td>
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<td>9/16/2014</td>
<td>Xingbao Li, PhD</td>
<td>Interleaved TMS/Pharmacological fMRI: A New Neuroscience Tool</td>
<td>MUSC</td>
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<td>9/2/2014</td>
<td>Gilberto Prudencio</td>
<td>Preclinical Image Guided Micro Irradiation</td>
<td>Xstrahl Sales Rep</td>
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<td>8/19/2014</td>
<td>Carlo DeCecco, MD</td>
<td>MR Imaging in Rectal Tumors: Actual Strategies and New Imaging Techniques</td>
<td>MUSC</td>
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<tr>
<td>8/5/2014</td>
<td>Andy Shih, PhD</td>
<td>Small strokes, big consequences: In vivo two-photon imaging of small vessel pathology in the mouse brain</td>
<td>MUSC</td>
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<tr>
<td>5/6/2014</td>
<td>Anna-Liisa Niemenen, PhD</td>
<td>Dissecting the Death Pathways during Oxidative Damage with Confocal /Multiphoton Microscopy</td>
<td>MUSC</td>
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<tr>
<td>4/22/2014</td>
<td>Aikaterini Kotrotsou</td>
<td>Ex-vivo MR volumetry in age-related neurodegenerative pathologies</td>
<td>Illinois Institute of Technology</td>
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<td>4/15/2014</td>
<td>Frank Alexis, PhD</td>
<td>Biodegradable and Biocompatible Imaging Agents</td>
<td>Clemson University</td>
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<tr>
<td>4/1/2014</td>
<td>Jennifer Wu, PhD</td>
<td>Innate Immunity: The Essential Flavor of Tumor Immunity</td>
<td>MUSC</td>
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<tr>
<td>3/28/2014</td>
<td>Fadel Zeidan, PhD</td>
<td>Behavioral and Neural mechanisms Supporting Mindfulness Meditation-Related Pain Relief: Implications for Clinical Pain</td>
<td>Wake Forest School of Medicine</td>
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<tr>
<td>3/18/2014</td>
<td>DeAnna L. Adkins, PhD</td>
<td>Diffusion MRI Biomarker of Stroke Related Brain Plasticity</td>
<td>MUSC</td>
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<tr>
<td>3/12/2014</td>
<td>Lotta Granholm, PhD</td>
<td>Down Syndrome and Alzheimer's Disease: Towards a Better Understanding</td>
<td>MUSC</td>
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</table>
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 Helpern, PhD From Zeugmatography to MRI to the Novel 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 Ziiying 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
<table>
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<tr>
<th>Date</th>
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<tbody>
<tr>
<td>1/16/2013</td>
<td>Mark George, MD</td>
<td>The Exciting History of Brain Imaging Research at MUSC: The Risque Untold Story</td>
<td>MUSC</td>
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<td>1/16/2013</td>
<td>Maurice Weaver</td>
<td>Applications of micro PET/CT Imaging in Medical Research</td>
<td>Siemens</td>
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<td>1/16/2013</td>
<td>Vivek Shinde Patil, PhD</td>
<td>In Vivo Imaging of Disease and Therapy</td>
<td>Perkin Elmer</td>
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<td>12/18/2012</td>
<td>Yun Zhu, PhD</td>
<td>Dual inhibition on src and MAPK potentially sensitize chemoresistant ovarian cancer cells</td>
<td>Georgia State</td>
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<td>12/3/2012</td>
<td>Vitria Adisetiyo, PhD</td>
<td>Quantitative Characterization of Brain Microstructure and Iron Homeostasis in Attention-Deficit/Hyperactivity Disorder from Childhood through Adolescence</td>
<td>NYU</td>
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<td>10/22/2012</td>
<td>Michael Schultz, PhD</td>
<td>Radiochemistry and Applications for PET Radionuclide Ga-68 - An Increasing Role for Molecular Imaging</td>
<td>Univ. of Iowa Hospitals and Clinics</td>
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<td>10/12/2012</td>
<td>Denise Benoit, PhD</td>
<td>Engineering nanoparticle-protein associations for protein crystal nucleation and nanoparticle arrangement</td>
<td>Rice University</td>
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<td>6/9/2012</td>
<td>David Arrington, MD, PhD</td>
<td>Protective techniques in CT-guided Percutaneous Hepatic Ablations</td>
<td>MUSC</td>
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<td>6/9/2012</td>
<td>Nicole Horst, MD</td>
<td>Preliminary Evaluation of High Pitch, Dual Source Computed Tomography Enterography for Radiation Exposure Reduction</td>
<td>MUSC</td>
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<tr>
<td>6/9/2012</td>
<td>Ed Hui, PhD</td>
<td>Assessment of white matter microstructural integrity with diffusional kurtosis imaging</td>
<td>MUSC</td>
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<td>6/9/2012</td>
<td>Dan Boulter, MD</td>
<td>Prevalence of Missed Infarcts and Other Inaccurate Findings at CT Perfusion for Acute Stroke Patients</td>
<td>MUSC</td>
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<td>6/9/2012</td>
<td>Gayatri Joshi, MD</td>
<td>Cancer Risks associated with Chest CT</td>
<td>MUSC</td>
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<tr>
<td>6/9/2012</td>
<td>Lei Jiang, PhD</td>
<td>Real Time Motion Tracking and Correction Using Active Markers for Brain MRI</td>
<td>MUSC</td>
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<td>6/9/2012</td>
<td>Mark Ahlman, MD</td>
<td>The Utility of Dual-Point FDG PET for Imaging Neoplasms of the Brain</td>
<td>MUSC</td>
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<td>6/9/2012</td>
<td>Andreana Benitez, PhD</td>
<td>Cognitive processing speed and Diffusional Kurtosis Imaging in normal aging, Mild Cognitive Impairment and Alzheimer's Disease</td>
<td>MUSC</td>
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<td>6/9/2012</td>
<td>Jim Thrall, MD</td>
<td>Radiology in the Age of Precision Medicine</td>
<td>Massachusetts General</td>
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<td>3/12/2012</td>
<td>Erik Shapiro, PhD</td>
<td>Molecular and Cellular MRI of Cancer: A theranostic vision</td>
<td>Yale University</td>
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<td>1/30/2012</td>
<td>Jeff Binder, MD</td>
<td>fMRI in Anterior Temporal Epilepsy Surgery: The FATES Study</td>
<td>Medical College of Wisconsin</td>
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<td>11/17/2011</td>
<td>Els Fieremans, PhD</td>
<td>Assessment of white matter microstructural integrity with diffusional kurtosis imaging</td>
<td>NYU</td>
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<td>10/28/2011</td>
<td>Chris Richards, PhD</td>
<td>Optical and Spatial Isolation of Membrane Receptors for Single Event Imaging</td>
<td>California Institute of Technology</td>
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<td>10/22/2011</td>
<td>Peter Van Zihl, PhD</td>
<td>MRI in the 21st Century: Functional, Physiological and Molecular Imaging of the Human Brain</td>
<td>Kennedy Krieger Institute</td>
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<td>10/22/2011</td>
<td>Ed Wu, PhD</td>
<td>Preclinical MRI Research for Basic Life Sciences: Past, Present, and Future</td>
<td>University of Hong Kong</td>
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<td>10/21/2011</td>
<td>Rod Pettigrew, MD, PhD</td>
<td>Convergence Science and the Public' Health</td>
<td>NIBIB</td>
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<td>9/16/2011</td>
<td>Juri G. Gelovani, PhD</td>
<td>Advances in molecular-genetic, epigenetic, and cellular imaging in vivo</td>
<td>Anderson Cancer Center</td>
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<td>8/11/2011</td>
<td>Lei Jiang, PhD</td>
<td>Development and Application of Advanced MRI and Connectivity Modeling Techniques</td>
<td>Georgia Tech &amp; Emory University</td>
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<td>7/7/2011</td>
<td>Ann Marie Broome, PhD</td>
<td>Molecular Imaging Gets Personal: Targeting the Cancer Signature</td>
<td>Case Western Reserve University</td>
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<tr>
<td>6/10/2011</td>
<td>Ed Hui, PhD</td>
<td>Mapping Microstructural Alterations in Ischemic Tissues using Diffusional Kurtosis Imaging</td>
<td>Univ. of Texas Health Science Center</td>
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<td>3/24/2011</td>
<td>Ron Meyer, PhD</td>
<td>BOLD mechanisms and application in skeletal muscle</td>
<td>Michigan State University</td>
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