

STUDY GROUP SESSION

Title: **MR Elastography**
Day: Tuesday, 25 April 2017
Time: 13:45-15:45
Room #: Rm 317AB

Study Group Chair, Armando Manduca, Ph.D. ; Vice Chair, Ingolf Sack, Ph.D.; Secretary, Curtis L. Johnson, Ph.D.; Past Chair, Arunark Kolipaka, Ph.D.
Committee: **2017-2018 Incoming Committee** : Secretary, Dieter Klatt, Ph.D.; Trainee Representative, Ziyang Yin, Ph.D.

13:45	Introduction - Welcome & Business Meeting	Ingolf Sack, Ph.D. Charité-Universitätsmedizin Berlin, Germany
13:55	MRE in Cancer	Ralph Sinkus, Ph.D. Kings College London, UK
14:15	Panel Discussion on MRE in Cancer	Ralph Sinkus, Kings College London, UK Sudhakar K. Venkatesh, Mayo Clinic, USA Eric Barnhill, Charité - Universitätsmedizin Berlin, Germany Ziyang Yin, Mayo Clinic, USA
14:35	Oral Presentations of Selected ISMRM Abstracts	
	<i>Characterization of Renal Tumors: Integrating Biomechanical, Functional & Morphological Assessment Using 3 Tesla Magnetic Resonance Elastography</i>	Davide Prezzi, MBBS, M.Sc., FRCR King's College London, UK
	<i>MR Elastography & Perfusion MRI for the Early Assessment of Treatment Response in Soft Tissue Sarcomas</i>	Kay Marie Pepin, Ph.D. Mayo Clinic, USA
	<i>Value of Tumor Stiffness Measured with MR Elastography for Assessment of Response of Hepatocellular Carcinoma to Locoregional Therapy</i>	Paul M. Kennedy, Ph.D. Icahn School of Medicine at Mount Sinai, USA
	<i>High Resolution Multifrequency MR Elastography of Hepatic Tumors for Measurement of Stiffness & Mechanical Heterogeneity</i>	Florian Dittmann, M.Sc. Institute of Radiology at Charite, Germany
	<i>Multifrequency MR Elastography of the Human Prostate by Multiple Surface-Based Compressed-Air Drivers: Reproducibility & First Patient Results</i>	Florian Dittmann, M.Sc. Institute of Radiology at Charite, Germany
	<i>Utilization of MR Elastography for Selective Boost to Dominant Intraprostatic Lesions</i>	Lumeng Cui, B.Eng. Saskatchewan Cancer Agency, Canada
	<i>Monitoring Glioblastoma Progression in Mouse Brain with Magnetic Resonance Elastography</i>	Navid Nazari, B.Sc. Boston University, USA
	<i>Preoperative Assessment of Tumor Stiffness & Tumor-Brain Adhesion in Patients with Vestibular Schwannoma Using MR Elastography-Based Method</i>	Prateek Kalra, M.Sc.(Bio.Eng.) Ohio State University, USA
	<i>Improved Prediction of Meningioma-Brain Adhesion with Normalized Octahedral Shear Strain using Slip Interface Imaging Based on MR-Elastography</i>	Ziyang Yin, Ph.D. Mayo Clinic, USA
15:20	Oral Presentations by Student Award Winners	
	<i>Cardiac Magnetic Resonance Elastography for Quantitative Assessment of Elevated Myocardial Stiffness in Cardiac Amyloidosis</i>	Arvin Arani, Ph.D. Mayo Clinic, USA
	<i>Detection of Advanced Liver Fibrosis & Cirrhosis using MR Elastography Compared to Liver Surface Nodularity Measurement, EOB-DTPA uptake & Blood Tests</i>	Cecilia Besa, M.D. Icahn School of Medicine at Mount Sinai, USA
	<i>Simultaneous Multislice Acquisition for Magnetic Resonance Elastography</i>	Christian Günther, M.Sc. University of Zurich, Switzerland
15:35	Award Ceremony & Closing Remarks	Ingolf Sack, Ph.D. Charité-Universitätsmedizin Berlin, Germany
15:45	Adjournment	