STUDY GROUP SESSION

Title: **Interventional MR**
Day: Thursday, 27 April 2017
Time: 08:15 - 10:15
Room #: Rm 323ABC

Study Group Committee: Chair, David A. Woodrum, M.D., Ph.D.; Vice Chair, Eugene Kholmovski, Ph.D.; Secretary, Clare Tempany-Afdhal, M.D.; Trainee Representative, Thiele Kobus, Ph.D.; Past Chair, Ergin Atalar, Ph.D.
***2017-2018 Incoming Committee** : Secretary, Allison H. Payne, Ph.D.; Trainee Representative, Hans Weber, Ph.D.*

8:15	Introduction - Welcome & Business Meeting	Interventional MR Committee
8:30	**Student Abstract Oral Presentations**	
	Evaluation of Cardiac Magnetic Resonance Thermometry in Patients	Valery Ozenne, Ph.D. IHU-LIRYC, PTIB, France
	MRI-Based Myocardial Ablation Lesion Extent Relates to Area of Voltage Reduction in MR-Guided Electroanatomical Voltage Maps	Philippa R. P. Krahn, B.Sc. Sunnybrook Health Sciences Centre, Canada
	Efficiency Improvement in Multi-Point MR Acoustic Radiation Force Impulse Imaging	Henrik C.A. Odéen, Ph.D. Utah Center for Advanced Imaging Research, USA
	Overcoming Limitations of Virtual Observation Points in pTx using IMPULSE	Mihir Pendse, M.Sc. Stanford University, USA
	2D Multi-Spectral Thermometry for Monitoring Focused-Ultrasound Sonications Near Metallic Hardware	Hans Weber, Ph.D. Stanford University, USA
	Operator Controlled Illumination of Active Catheter Tips using a Variable Attenuator	Ali C. Özen, Ph.D. University Medical Center Freiburg, Germany
	MRI-Guided Robotic Arm (MgRA) to Target Deep Brain Nuclei In Vivo	Yi Chen, M.Eng. Max Planck Institute for Biological Cybernetics, Germany
	Toward hybrid MR Thermometry in Aqueous & Adipose Tissue using Simultaneous Dual Contrast Weighting with Double Echo RARE Imaging	Lukas Winter, Ph.D. Max-Delbrück Center for Molecular Medicine, Germany
9:15	Traditional & Electronic Poster Session	
10:00	Award Ceremony & Closing Remarks	David A. Woodrum, M.D., Ph.D. Mayo Clinic, USA
10:15	Adjournment	
	Electronic Poster Presenters	
	MR-Guided Mixed-Reality For Surgical Planning: Set-Up & Perceptual Accuracy	Subashini Srinivasan, Ph.D. Stanford University, USA
	PRF Temperature & Velocity Mapping of Complex Fluid Flow Inside a Pin Fin Array Heat Exchanger	Waltraud B. Buchenberg, Dipl.-Phys. University Medical Centre, Germany
	Real-Time Motion Prediction for Feedback Control of MRI-Guided Interventions	Xinzhou Li, B.Sc. University of California at Los Angeles, USA
	Quantitative Evaluation of Thermochemical Ablation Injections in Bovine Liver Phantoms using ^{23}Na MRI	Tobias Theis, B.Sc. Universität Heidelberg, Germany
	Inline Adaptive Spiral Off-Resonance Correction for MRI-Guided Interventions	Matthew C. Restivo, Ph.D. National Institutes of Health, USA
	Traditional Poster Presenters	
	2D UTE-Based MR Thermometry of Frozen Tissue: Feasibility During MRI-Guided Cryoablation In Vivo	Christiaan G. Overduin, M.Sc. Radboud University Medical Center, The Netherlands
	Active Catheter Tracking for MR-Guided Percutaneous Coronary Intervention at 3T: Initial Results in a Pig Model	Simon Reiss, M.Sc. Universitätsklinikum Freiburg, Germany

Artifact-Reduced Imaging of Biopsy Needles with 2D Multi-Spectral Imaging	Hans Weber, Ph.D. Stanford University, USA
Multiparametric Comparison of Quantitative Susceptibility Mapping, R_2, & 89Zr-PET for Quantification of Targeted Magnetic Drug Therapy Biodistribution*	Caroline D. Jordan, Ph.D. University of California at San Francisco, USA
Dynamic Anti-Aliasing Image Reconstruction for Localized Thermal Therapies	Henrik C.A. Odéen, Ph.D. Utah Center for Advanced Imaging Research, USA
Treatment for Spontaneous Intracranial Hypotension: First Experience with	Jorge A. Lee Diaz, M.D.