

STUDY GROUP SESSION

Title: MR Flow & Motion Quantitation

Day: Monday, 09 May 2016

Time: 10:45-12:45

Room #: Hall 405 E

Study Group Chair, David Saloner, Ph.D.; Vice Chair, Tino Ebbers, Ph.D.; Secretary, Alex J. Barker, Ph.D.;

Committee: Past Chair, Paul E. Summers, M.D.

2016-2017 Incoming Committee: Secretary, Alistair A. Young, Ph.D.; Trainee Representative, Pim van Ooij, Ph.D.

	Talk titles	Requested Speaker
10:45	Introduction - Welcome & Business Meeting	David Saloner, Ph.D. University of California, San Francisco, USA
	Vendor Updates	
10:55	General Electric Siemens Philips	
11:15	Traditional Poster Power Pitches	
11:37	Electronic Poster Power Pitches	
12:05	Refreshments and Traditional & Electronic Poster Review	
12:45	Adjournment	
	Traditional Poster Power Pitches	
	<i>Background Phase Correction for Quantitative Phase-Contrast MRI</i>	Rizwan Ahmad, Ph.D. Ohio State University, USA
	<i>Impact of Field Strength & Image Resolution on MRE Stiffness Estimation</i>	Eric C. Barnhill, Ph.D. University of Edinburgh, Scotland
	<i>In Vivo Multifrequency MR Elastography of the Human Prostate Using a Surface-Based Compressed Air Driver Operated in the Lower Frequency regime</i>	Florian Dittmann, M.Sc. Institute of Radiology at Charite, Germany
	<i>Liver Stiffness in Pediatric Subjects is Lower than in Adults, & Increases With Age: A Multifrequency MR Elastography Study</i>	Emily Etchell Neuroscience Research Australia, Australia
	<i>Increasing the Spatial Resolution & Sensitivity of High-Resolution Magnetic Resonance Elastography by Correcting for Subject Motion & Susceptibility-Induced Image Distortions</i>	Andreas Fehlner, Dipl.-Phys. Charite - Universitätsmedizin Berlin, Germany
	<i>MR Elastography of Intracranial Tumors: Initial Experience with High-Resolution Imaging & Nonlinear Inversion</i>	Curtis L. Johnson, Ph.D. University of Delaware, USA
	<i>Quantification of Breast Stiffness using Magnetic Resonance Elastography at 3T: A Reproducibility Study</i>	Prateek Kalra The Ohio State University, USA
	<i>Variability of Flow Parameters When Subjected to Changes of MR Acquisitions Parameters in 4D Flow MRI Using a Realistic Thoracic Aortic Phantom</i>	Cristian A. Montalba Zalaquett, B.Sc. Pontificia Universidad Catolica de Chile, Chile
	<i>Does Respiratory Motion Influence Tissue Phase Mapping Velocities?</i>	Jan Paul, Ph.D. University Hospital of Ulm, Germany

Cross Vendor Comparison of Gradient Recalled Echo (GRE) & Spin Echo-Echo Planar Imaging (SE-EPI) Based MR Elastography of the Liver at 3T

Suraj D. Serai, Ph.D.
Cincinnati Children's Hospital Med. Center, USA

Brain Pulsatility Across the Cardiac Cycle Revealed by Cine 3D Integrated-SSFP

Lirong Yan, Ph.D.
University of California, Los Angeles, USA

Electronic Poster Power Pitches

Analysis & Correction of Eddy Current Induced Artifacts in Spiral Phase Contrast MRI Using Point RESolved Spectroscopy

Rene Bastkowski, M.Sc.
University Hospital of Cologne, Germany

Contrast-Enhanced 4D Flow Imaging with Reduced Fat Signal

Joseph Yitan Cheng, Ph.D.
Stanford University, USA

ktv-ARC Reconstruction for 4D flow MRI Using Correlations between Velocity Encodings

Fatih S. Hafalir, M.Sc.
Technical University of Munich, Germany

Flow & Structure with Simultaneous Visualization of Registered 4D Flow & Black Blood MRI

Dahan Kim, M.Sc.
University of Wisconsin, Madison, USA

Non-Contrast Cardiac 4D Flow with Bright Blood & Improved Robustness Using Multiple Thin Slab Acquisition & Variable Density Radial Sampling

Peng Lai, Ph.D.
GE Healthcare, USA

Design & Validation of a Minimum Time Verse Pulse for 4D Flow MRI

Patrick Magrath, M.Sc.
University of California, Los Angeles, USA

10 Fold Accelerated 4D Flow in the Carotid Arteries at High Spatiotemporal Resolution in 7-Minutes Using a Novel 15-Channel Coil

Eval S. Peper, M.Sc.
Academic Medical Center (AMC), The Netherlands

Validation of Compressed Sensing Accelerated 2D flow MRI in the Common Carotid Arteries

Eval S. Peper, M.Sc.
Academic Medical Center (AMC), The Netherlands

Using MRI to Observe Increased Venous Flow Collateralization in Subjects with Anomalous Jugular Veins

Sean Sethi
MRI Institute of Biomedical Research, USA

Performance of Self-Calibrated Phase Contrast Correction in Pediatric & Congenital Cardiovascular MRI

Ana Beatriz Solana, Ph.D.
GE Global Research, Germany

A Validation Study of Real-time Phase Contrast MRI with Low-Rank Modeling

Aiqi Sun, B.Sc.
Tsinghua University, China

Accuracy of Relative Pressure Measurements from 3D PC-MR Data Using Realistic Aortic Coarctation Phantoms

Juan J. Urbina Romero, B.Sc.
Pontifica Universidad Catolica de Chile, Chile

4D Flow MRI-derived Wall Shear Stress Correlates with Vessel Wall Thickness: Atlases of the Carotid Bifurcation

Pim van Ooij, Ph.D.
Academic Medical Center (AMC), The Netherlands

Model-Based Estimation of Arterial Pulse Wave Velocity from MRI Velocity Data

Prem Venugopal
GE Global Research, USA