

2015 Guide to BIDMC Scientific Sessions, Courses & Exhibits



International Society for Magnetic Resonance in Medicine (ISMRM) 23rd Annual Meeting & Exhibition
30 May - 05 June, 2015
 Toronto, Ontario, Canada



Sunday 31 May	
16:00 Rm 701B	WEEKEND EDUCATIONAL COURSE: <i>Body MRI: Optimize Your Clinical Practice</i> MRU & Bladder CA Staging - Maryellen Sun

Monday 01 June	
0077 11:09 John Bassett Theater 102	NOVEL IMAGE RECONSTRUCTION METHODS: Joint Compressed Sensing and Sparse Phase Retrieval: Reconstruction from a Combination of Complex and Magnitude-Only K-Space Measurements. Mehmet Akcakaya, Vahid Tarokh, Reza Nezafat.
16:30-17:30 Power Pitch Theatre, Exhibition Hall	POWER PITCH SESSION: CARDIOVASCULAR POWER HOUR Moderators: Daniel B. Ennis, Reza Nezafat

Tuesday 02 June	
07:32 Rm 714 A/B	SUNRISE EDUCATIONAL COURSE: <i>Fast Cardiac Imaging</i> Compressed Sensing - Reza Nezafat.
10:00 Rm 718A	WEEKDAY EDUCATIONAL COURSE: <i>MRI in the Emergency Room</i> Rapid MRI Protocols & Acquisitions for Emergency Patients. Martin P. Smith
0539 10:00 [Oral] Power Pitch Theatre + Plasma 11, Exhibition Hall	ASL METHODS: NEURO: Dynamic 3D ASL in 20 Seconds Per Frame with Model-Based Image Reconstruction. Li Zhao* , Samuel Fielden, Xue Feng, Max Wintermark, John Mugler, Josef Pfeuffer, Craig Meyer. *summa cum laude

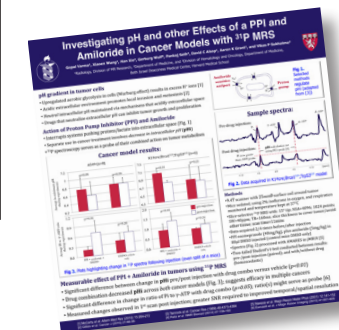
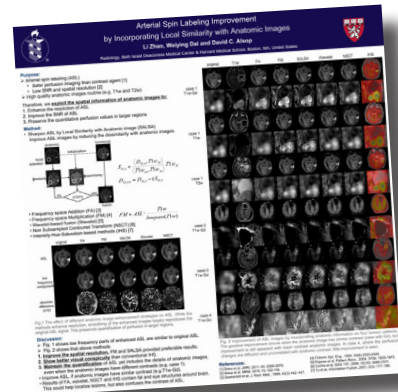
Wednesday 03 June	
07:00 Rm 718A	SUNRISE EDUCATIONAL COURSE: <i>Contrast by Body Part: How & Why?</i> Cardiac Imaging Sequences: How & Why? - Reza Nezafat
0539 11:24 Rm 701B	ASL METHODS: FROM THE NECK DOWN Feasibility and Repeatability of Human Brown Adipose Tissue Volume and Perfusion Activity Using MRI. Weiyong Dai , Lauren S. Weiner, David C. Alsop , Aaron M. Cypess..
13:30-15:30 Rm 801 A/B	EDUCATIONAL COURSE: <i>Spine</i> Moderators: David B. Hackney , Roland R. Lee.
0713 16:24 Rm 716 A/B	MYOCARDIAL TISSUE CHARACTERIZATION - <i>Relaxometry & Diffusion</i> Effect of the Number of Echoes and Reconstruction Model on the Precision and Reproducibility of T2 Measurements in Myocardial T2 Mapping. Tamer Basha* , Mehmet Akcakaya , Sébastien Roujol , Reza Nezafat. *summa cum laude
0716 17:00 Rm 716 A/B	MYOCARDIAL TISSUE CHARACTERIZATION - <i>Relaxometry & Diffusion</i> Joint Myocardial T1 and T2 Mapping Using a Saturation-Recovery Sequence. Mehmet Akcakaya , Sebastian Weingärtner , Tamer A. Basha , Sebastien Roujol , Reza Nezafat.

Thursday 04 June	
10:30-12:30 Rm 714 A/B	SCIENTIFIC SESSION: Perfusion & Permeability: Validation Studies Moderators: Weiyong Dai , Ronnie Wirestam.
0822 11:06 John Bassett Theatre 102	MULTIPLE SCLEROSIS 1: Beyond Focal Cortical Lesions in Multiple Sclerosis: An In Vivo Quantitative and Spatial Imaging Study at 7 T. Céline Louapre, Sindhuja T. Govindarajan, Costanza Gianni, Jacob A. Sloane , RP Kinkel, Caterina Mainero.

Thursday 04 June (cont'd)	
0904 13:54 John Bassett Theatre 102	MULTIPLE SCLEROSIS 2: Impact of Intra- And Juxta-Cortical Pathology on Cognitive Impairment in Multiple Sclerosis by Quantitative T2* Mapping at 7 T MRI. Céline Louapre, Sindhuja Govindarajan, Costanza Gianni, Nancy Madigan , AS Nielsen, RP Kinkel, Caterina Mainero.

Friday 05 June	
08:00-10:00 Rm 701B	MAGNETIZATION TRANSFER: Moderator: David C. Alsop
0993 8:00	Application of a Dipolar Model to Inhomogeneous Magnetization Transfer (IhMT). Gopal Varma* , Olivier M. Girard , Valentin Prévost , Aaron K. Grant , Guillaume Duhamel , David C. Alsop. *summa cum laude

POWER PITCH POSTERS		
Power Pitch Theatre, Exhibition Hall		
0184	Black Blood Late Gadolinium Enhancement (BB-LGE) Using a Joint T2 Magnetization Preparation and Inversion Preparation. Tamer Basha* , Sébastien Roujol , Kraig V. Kissinger , Beth Goddu , Warren J. Manning , Reza Nezafat *magna cum laude	MON 01 June 16:30-17:30 Plasma 11
0274	Dynamic 3D ASL in 20 Seconds Per Frame with Model-Based Image Reconstruction. Li Zhao* , Samuel W. Fielden, Xue Feng, Max Wintermark, John P. Mugler III, Josef Pfeuffer, Craig H. Meyer. *summa cum laude	TUES 02 June 10:30-11:00 Plasma 11



E- POSTERS		Exhibition Hall
3356	Whole Brain Inhomogeneous MT Using an lhMT Prepared 3D GRE Sequence at 1.5T. Olivier M. Girard, Arnaud Le Troter, Gopal Varma , Valentin H. Prevost, Maxime Guye, Jean-Philippe Ranjeva, David C. Alsop , Guillaume Duhamel.	MON 01 June 17:30-18:30 Computer 25
3357	Extracting a Robust Inhomogeneous Magnetization Transfer (lhMT) Rate Parameter, lhMT-Rex. Gopal Varma , Olivier M. Girard, Valentin Prévost, Guillaume Duhamel, David C. Alsop .	MON 01 June 17:30-18:30 Computer 26
3452	Inhomogeneous Magnetization Transfer: Developmental Changes During Childhood. Alyssa Mah, R Marc Lebel, David C. Alsop , Gopal Varma , Catherine Lebel.	TUES 02 June 10:00-11:00 Computer 25
4379	Are There Differences Between Macrocyclic Gadolinium Contrast Agents for Brain Tumor Imaging? Results of a Multicenter Intra-Individual Crossover Comparison of Gadobutrol with Gadoteridol (The TRUTH Study). Martin P. Smith , Kenneth R. Maravilla, Stefano Bastianello, Eva Bueltmann, Toshinori Hirai, Tiziano Frattini, Cesare Colosimo, Gianpaolo Pirovano.	WED 03 June 17:00-18:00 Computer 29
4504	Undersampled Motion Compensated LOST Reconstruction for Free-Breathing Coronary MRA. Andrew Peter Aitken, Mehmet Akçakaya , Rene Botnar, Claudia Prieto.	THURS 04 June 10:30-11:30 Computer 58
4534	Motion Correction of Free Breathing Quantitative Myocardial T2 Mapping: Impact on Reproducibility and Spatial Variability. Sébastien Roujol , Tamer A. Basha , Sebastian Weingärtner , Mehmet Akçakaya , Sophie Berg , Warren Manning , Reza Nezafat .	THURS 04 June 11:30-12:30 Computer 16

E- POSTERS (cont'd)		Exhibition Hall
4591	Comparison of FDG-PET and Hyperpolarized Pyruvate in Assessing Response to an Isoform-Specific PI3K Inhibitor in Breast Cancer. Aaron K. Grant , Gopal Varma , Hai Hu , Xiaoen Wang , Ashish Juvekar , Soumya Ullas , Gerburg Wulf .	THURS 04 June 13:30-14:30 Computer 1
4608	Characterization of Glycolytic Activity and Perfusion in a Renal Cell Carcinoma Model During Sunitinib Treatment and Resistance with Hyperpolarized 13C MRI. Leo L. Tsai , Xiaoen Wang , Gopal Varma , David Alsop , Aaron K. Grant .	THURS 04 June 13:30-14:30 Computer 18

TRADITIONAL POSTERS		Exhibition Hall
1112	Investigating PH and Other Effects of a Proton Pump Inhibitor (PPI) in Cancer Models with 31P Magnetic Resonance. Gopal Varma , Xiaoen Wang , Han Xie , Gerburg Wulf , Pankaj Seth , David C. Alsop , Aaron K. Grant , Vikas P. Sukhatme .	MON 01 June 10:45-12:45
1223	MR Diffusion Is Sensitive to Mechanical Loading in Human Intervertebral Disks. Ron N. Alkalay , Carl-Fredrik Westin, Dominik Meier, David B. Hackney .	MON 01 June 10:45-12:45
2233	Effect of Antiepileptic Treatment on Hippocampal Activity in Alzheimer's Disease measured by ASL. Weiyang Dai , David Alsop , Daniel Z. Press .	WED 03 June 13:30-15:30
2325	Arterial Spin Labeling Improvement by Incorporating Local Similarity with Anatomic Images. Li Zhao , Weiyang Dai , David Alsop .	WED 03 June 13:30-15:30
2333	The Many Advantages of Arterial Spin Labeling with Long Label Duration. R. Marc Lebel, Ajit Shankaranarayanan, Eric E. Smith, Cheryl McCreary, Richard Frayne, Weiyang Dai , David C. Alsop .	WED 03 June 13:30-15:30

TRADITIONAL POSTERS		Exhibition Hall
2580	A Novel Framework for Unified Analysis of In-Vivo and Ex-Vivo Cardiac Data Using an In-vivo MRI-Derived 3D Printed Model: Application to Cardiac MRI. Sébastien Roujol , Cory Tschabrunn , Tamer Basha , Kraig V. Kissinger , Warren J. Manning , Mark E. Josephson , Elad Anter , Reza Nezafat .	THUR 04 June 10:30-12:30
2584	Comparison of High Resolution LGE and High Resolution Electro-Anatomical Mapping for Imaging of the Ventricular Arrhythmia Substrate in a Swine Model of Ventricular Tachycardia. Sébastien Roujol , Tamer Basha , Cory Tschabrunn , Kraig V. Kissinger , Warren J. Manning , Mark E. Josephson , Elad Anter , Reza Nezafat .	THUR 04 June 10:30-12:30
2587	Quantitative Myocardial T1 and T2 Mapping in a Swine Model of Ventricular Tachycardia. Sébastien Roujol , Tamer Basha , Cory Tschabrunn , Kraig V. Kissinger , Warren J. Manning , Mark E. Josephson , Elad Anter , Reza Nezafat .	THUR 04 June 10:30-12:30
2598	Combination of T2-Magnetization Preparation and Slice Interleaved Inversion Recovery for Improved Motion Correction of Myocardial Extra-Cellular Volume Mapping Using Spoiled Gradient Echo Imaging. Sébastien Roujol , Tamer Basha , Jihye Jang , Kraig V. Kissinger , Beth Goddu , Sophie Berg , Warren J. Manning , Reza Nezafat .	THUR 04 June 10:30-12:30
2600	Improved Accuracy of T1 Mapping Reconstruction Using a Novel Bloch Equation-Based Fitting with Graphic Processing Unit Implementation. Sébastien Roujol* , Tamer A. Basha , Jihye Jang , Sophie Berg , Warren J. Manning , Reza Nezafat . <i>*magna cum laude</i>	THUR 04 June 10:30-12:30

TRADITIONAL POSTERS		Exhibition Hall
2604	Free-Breathing Multi-Slice Myocardial T2 Mapping. Tamer Basha , Sébastien Roujol , Reza Nezafat .	THUR 04 June 10:30-12:30
2611	High Resolution 2D ECG-Segmented Slice Interleaved T1 Mapping (STONE) with Reduced Partial Voluming. Jihye Jang , Tamer Basha , Sophie Berg , Cory Tschabrunn , Elad Anter , Sébastien Roujol , Reza Nezafat .	THUR 04 June 10:30-12:30
2625	Free-Breathing Multi-Slice Myocardial T1 Mapping Using Inversion Recovery Slice Interleaved Spoiled Gradient Echo Imaging. Sébastien Roujol , Jihye Jang , Tamer A. Basha , Sebastian Weingärtner , Sophie Berg , Reza Nezafat .	THUR 04 June 10:30-12:30
2638	Eliminating the Impact of Myocardial Lipid Content on Myocardial T1 Mapping Using a Spectrally-Selective Inversion Pulse. Maryam Nezafat , Sébastien Roujol , Jihye Jang , Tamer Basha , René M. Botnar.	THUR 04 June 10:30-12:30
2646	Utility of Multi-Slice T1 Mapping by Using Slice Interleaved T1 (STONE) Sequence for the Detection of Diffuse Myocardial Fibrosis in Patients with Hypertrophic Cardiomyopathy. Shingo Kato , Sébastien Roujol , Jihye Jang , Tamer Basha , Sophie Berg , Kraig Kissinger , Beth Goddu , Evan Appel-baum , Martin Maron , Warren J. Manning , Reza Nezafat .	THUR 04 June 10:30-12:30
2648	High Resolution Multi-Slice Myocardial T2 Mapping with Improved Scan Time Efficiency. Jihye Jang , Cory Tschabrunn , Elad Anter , Tamer Basha , Reza Nezafat .	THUR 04 June 10:30-12:30