Beth Israel Deaconess Medical Center

A teaching hospital of Harvard Medical School

Guide to BIDMC Scientific Sessions, Courses & Exhibits

INTERNATIONAL SOCIETY FOR ISMRM MAGNETIC RESONANCE IN MEDICINE

International Society for Magnetic Resonance in Medicine (ISMRM)
20th Annual Meeting
5-11 May, 2012
Melbourne Convention & Exhibition Center
South Wharf, Melbourne, Australia

Saturday 5 May	
15:00 Rm 210-211	**Weekend Educational Course: Perfusion Imaging** ASL Outside the Brain - **David C. Alsop**

Sunday 6 May	
08:30 Rm 511D-F	**Weekend Educational Course: Imaging Strategies** Echo-Train Sequences: EPI, RARE & Beyond - **David C. Alsop**
Monday 7 May	
1173 Poster 10:45-12:45	Accelerated Aortic Flow Assessment with Compressed Sensing Using Sparsity of the Complex Difference Image as an Additional Constraint . **Yongjun Kwak**, **Seunghoon Nam**, **Mehmet Akcakaya**, **Tamer A. Basha**, **Beth Goddu**, **Warren J. Manning**, Vahid Tarokh, **Reza Nezafat**. *Magna cum laude*
2707 Poster 14:15-16:15	A Novel MRI-Compatible Tactile Stimulator for Cortical Mapping of Foot Sole Pressure Stimuli with FMRI Ying Hao, **Brad Manor**, Jing Liu, **Lewis Lipsitz**, **Vera Novak**, Xiaoying Wang, Jing Fang, Jue Zhang.
3104 17:30-18:30 Computer 23	Resting Cerebral Perfusion Correlates with Functional Recovery in Stroke Patients. Ruth L. O'Gorman, Laszlo K. Sztriha, Gareth J. Barker, Steven CR Williams, **David C. Alsop**, Ajit Shankaranarayanan, Lalit Kalra.
Tuesday 8 May	
1640 Poster 10:00-12:00	A Hydroxyapatite-Targeted Gadolinium Contrast Agent for MRI of Breast Cancer Microcalcifications. **Jonathan Marmurek, Elaine Lunsford, Elena Vinogradov, Khaled Nasr, Fangbing Liu, Ananth J. Madhuranthakam, John V. Frangioni, Robert E. Lenkinski**
1319 Poster 10:00-12:00	MRI Characterization of Renal Masses Using Gadolinium-Enhanced Subtraction Technique: Accuracy of a Quantitative Methods to Detect Tumor Enhancement. **Martin P. Smith, Olga Brook, Long Ngo,** Neil Rofsky, Ivan Pedrosa.
3326 11:00-12:00 Computer 31	Comparison of Techniques for Assessment of Age-Related Degeneration in Intervertebral Discs. **Gopal Varma, Fotini Kourtelidis, Alexander Ivanishev, Robert L. Greenman, David B. Hackney, Robert E. Lenkinski, Elena Vinogradov**.
3332 11:00-12:00 Computer 37	Sodium Imaging of Intervertebral Disc Using Weighted Signal Averaging: Application to Age-Related Degeneration. **Gopal Varma, Alexander Ivanishev, Robert L. Greenman, Fotini Kourtelidis, David B. Hackney, Robert E. Lenkinski, Elena Vinogradov**.

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Tuesday 8 May *(cont'd)*	
1558 Poster 13:30-15:30	Kalman Filtering for Undersampeled Continuous Volumetric MR-Temperature Imaging. Baudouin Denis de Senneville, **Sébastien Roujol**, Silke Hey, Chrit Moonen, Mario Ries.
0800 Poster 16:00-18:00	Volumetric Pseudo-Continuous Arterial Spin Label (PCASL) Imaging in Chronic Alcoholism: Return to Default Mode Network Activity Levels After a Spatial Working Memory Task. Edith V. Sullivan, Eva M. Müller-Oehring, Anne-Lise Pitel, Sandra Chanraud, Ajit Shankaranarayanan, **David C. Alsop**, Torsten Rohlfing, Adolf Pfefferbaum.
3515 17:00-18:00 Computer 4	Hippocampal Longitudinal Sub-Region Perfusion Can Be Reliably Measured Using ASL. Xiufeng Li, Jeffrey S. Spence, **Subhendra N. Sarkar**, David E. Purdy, Gregory J. Metzger, Robert W. Haley, Richard W. Briggs.
Wednesday 9 May	
1460 Poster 10:00-12:00	Age-Related Assessment of Intervertebral Disc Degeneration in the Lumbar Spine Using GagCEST **Gopal Varma, Fotini Kourtelidis, Ananth Madhuranthakam, David B. Hackney, Robert E. Lenkinski, Elena Vinogradov**.
3658 11:00-12:00 Computer 27	"Form Follows Function": Anatomic and Functional Localization of Eloquent Cortex. **Mai-Lan Ho, Rafael Rojas, David Hackney**.
2018 Poster 13:30-15:30	Resting Fluctuations in Volumetric Arterial Spin Labeling. **Weiying Dai, Gopal Varma, Rachel Scheidegger,** Ajit Shankaranarayanan, **Gottfried Schlaug, David Alsop**
2021 Poster 13:30-15:30	Assessment of Brain Cholinergic Function Using Arterial Spin Labeling. **Tamara Fong**, **Weiying Dai**, **Li-Wen Huang**, **Leo Waterson**, **Sharon Inouye**, **David Alsop**.
3799 14:30-15:30 Computer 11	SAR-Efficient 3D Cardiac CINE with Respiratory-Triggered RF Gating. Markus Henningsson, **Beth Goddu**, **Lois Goepfert**, **Kraig V. Kissinger**, **Raymond H. Chan**, Reza Razavi, Rene M. Botnar, Tobias Schaeffter, **Reza Nezafat**.
0498 16:00-18:00 Rm 219-220	Cortical Oxygen Extraction as a Marker of Disease Stage & Function in Multiple Sclerosis: A Quantitative Study Using 7 Tesla MRI Susceptibility. Audrey P. Fan, **Revere P. Kinkel**, **Nancy K. Madigan**, **A. Scott Nielson**, Thomas Benner, Emanuele Tinelli, Bruce R. Rosen, Elfar Adalsteinsson, Caterina Mainero. ***Summa cum laude***

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Wednesday 9 May *(cont'd)*	
2480 Poster 16:00-18:00	Iterative Decomposition of Water and Fat with Echo Asymmetric and Least-Squares Estimation (IDEAL) Compared to T1-Weighted Spin Echo in the Evaluation of Vertebral Body Lesions. **Behroze Adi Vachha, Subhendra Sarkar, Robert Greenman, David Hackney**.
Thursday 10 May	
13:30-15:30 Plenary Hall	Arterial Spin Labeling **David C. Alsop** & Michael A. Chappell, Moderators
Alumni Special 13:30-15:30 Rm 202	**Weekday Educational Course:** Your Coils & You 2012: A Primer for the Busy Clinician & the Curious Scientist Roland Bammer & **Daniel K. Sodickson**, Moderators
14:30	A Case-Based Approach to RF Coils: Tips, Tricks, Myths & Artifacts. **Charles A. McKenzie & Ivan Pedrosa**
15:00	Coils in 2020: How Changes in Technology Will Change Your Workflow. **Daniel K. Sodickson**.
0579 14:30 Plenary Hall	Volumetric Measurement of Perfusion & Arterial Transit Delay Using Hadamard Encoded Continuous Arterial Spin Labeling. **Weiying Dai, Ajit Shankaranarayanan, David Alsop**. *Summa cum laude*
4313 14:30-15:30 Computer 2	Monitoring Changes in Tumor Perfusion and Metabolism Following Anti-Angiogenic Therapy Using Hyperpolarized Tracers. **Aaron K. Grant,** Elena Vinogradov, **Xiaoen Wang, Rupal Bhatt, Robert E. Lenkinski, David C. Alsop**.

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And now a special message from the ISMRM team:

Don't forget to BYOB to Melbourne!

For the last couple of years, we have been told "lose the bag," "forget the bag," "I don't want the bag," "I like to use my own bag," or "Can you recycle this?" So we have eliminated the convention bag. You will not see an official ISMRM bag at the ISMRM 20th Annual Meeting & Exhibition . . . But sometimes it's hard to let go of a tradition, and with it being the ISMRM 20th annual meeting. . . we want you to Bring Your Own Bag! But we want to make this, well, a bit fun. So we are pleased to announce the ISMRM BYOB Contest! To win some great prizes towards your next ISMRM, just bring your bag to the Salt Lake City booth in the exhibition hall in Melbourne, give them your business card, and let them photograph your bag. That's it. You'll be entered into the contest.

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