



Beth Israel Deaconess  
Medical Center



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL

## Arterial Spin Labeling Measured Choroidal Blood Flow Is Reduced in Age-Related Macular Degeneration and Correlates with Severity Level

**Authors:**[Dai, Weiyong](#) [O'Loughlin, Lauren](#) [Yu, Gina](#) [Zhao, Li](#) [Alsop, David](#) [Arroyo, Jorge](#)

**Session Type:**[Traditional Poster](#)

**Session Date:**[Monday, May 9, 2016](#)

**Session:**[Perfusion in Health & Disease](#)

## ASL Derived CBF Post Carotid Intervention Predicts Post-Operative Cognitive Impairment

**Authors:**[Soman, Salil](#) [Dai, Weiyong](#) [Hitchner, Elizabeth](#) [Massaband, Payam](#) [Alsop, David](#) [Rosen, Allyson](#) [Zhou, Wei](#)

**Session Type:**[Traditional Poster](#)

**Session Date:**[Monday, May 9, 2016](#)

**Session:**[Perfusion in Health & Disease](#)

## Differential Tumor Perfusion in Vivo on Arterial Spin Labeled MRI Correlates with Heterogeneity in the Molecular Phenotype of Clear Cell Renal Cell Carcinoma

**Authors:**[Bhasin, Manoj](#) [Bhatt, Rupal](#) [Robson, Phillip](#) [Rajamani, Deepa](#) [Signoretti, Sabina](#) [Alsop, David](#) [Pedrosa, Ivan](#)

**Session Type:**[Oral](#)

**Session Date:**[Tuesday, May 10, 2016](#)

**Session:**[Tumour Diffusion, Perfusion & Vessel Imaging](#)

## Improved Pseudo Continuous Arterial Spin Labeling Efficiency Robustness to Off Resonance and High Velocity

**Authors:**[Zhao, Li](#) [Alsop, David](#)

**Session Type:**[Traditional Poster](#)

**Session Date:**[Monday, May 9, 2016](#)

**Session:**[Arterial Spin Labeling](#)

## Increasing the Inhomogeneous Magnetization Transfer (IhMT) Signal in Vivo with High Amplitude, Low Duty Cycle Irradiation

**Authors:**[Varma, Gopal](#) [Girard, Olivier](#) [Prevost, Valentin](#) [Duhamel, Guillaume](#) [Alsop, David](#)

**Session Type:**[Electronic Poster](#)

**Session Date:**[Monday, May 9, 2016](#)

**Session:**[CEST & MT](#)

## In-Vivo Measurement of a New Source of Tissue Contrast, the Dipolar Relaxation Time, $T_{1D}$ , Using a Modified IhMT Sequence

**Authors:**[Varma, Gopal](#) [Prevost, Valentin](#) [Girard, Olivier](#) [Duhamel, Guillaume](#) [Alsop, David](#)

**Session Type:**[Electronic Power Pitch Poster](#)

**Session Date:**[Thursday, May 12, 2016](#)

**Session:**[Contrast Mechanisms: Novel Imaging Biomarkers](#)

## A Potential Global Brain Network Identified Using Resting State Arterial Spin Labeling

**Authors:**[Dai, Weiyang](#) [Zhao, Li](#) [Alsop, David](#)

**Session Type:**[Electronic Poster](#)

**Session Date:**[Tuesday, May 10, 2016](#)

**Session:**[Normal Brain Methods 2](#)

## T1D-W lhMT: Dipolar Relaxation Time Weighted Imaging Using Inhomogeneous Magnetization Transfer

**Authors:**[Duhamel, Guillaume](#) [Prevost, Valentin](#) [Varma, Gopal](#) [Alsop, David](#) [Girard, Olivier](#)

**Session Type:**[Electronic Poster](#)

**Session Date:**[Monday, May 9, 2016](#)

**Session:**[CEST & MT](#)

## Theoretical and Experimental Optimization of a 3D Steady-State Inhomogeneous Magnetization Transfer (lhMT) Gradient Echo Sequence: Boosting the lhMT Sensitivity with Sparse Energy Deposition

**Authors:**[Girard, Olivier](#) [Varma, Gopal](#) [Mchinda, Samira](#) [Prevost, Valentin](#) [Le Troter, Arnaud](#) [Rapacchi, Stanislas](#) [Guye, Maxime](#) [Ranjeva, Jean-Philippe](#) [Alsop, David](#) [Duhamel, Guillaume](#)

**Session Type:**[Electronic Poster](#)

**Session Date:**[Monday, May 9, 2016](#)

**Session:**[CEST & MT](#)

## Toward Spectroscopically Selective Imaging of Hyperpolarized Pyruvate and Its Metabolites Using Binomial Pulses in Balanced Steady-State Free Precession

**Authors:**[Varma, Gopal](#) [Coutinho de Souza, Patricia](#) [Tsai, Leo](#) [Bhatt, Rupal](#) [Grant, Aaron](#)

**Session Type:**[Traditional Poster](#)

**Session Date:**[Wednesday, May 11, 2016](#)

**Session:**[Hyperpolarised C-13 & Other Nuclei](#)