



26TH Annual Meeting
22–24 April 2017

ISMRM 25TH Annual Meeting & Exhibition
22–27 April 2017

HONOLULU, HI, USA

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Welcome to the 26th Annual Meeting of the Society for MR Radiographers & Technologists

VIRTUAL MEETING SCHEDULE

You will receive a prompt every 15 minutes during CE accredited sessions to ensure you are still present. This will serve as the verification for CE and CPD attendance.

Saturday, 22 April 2017

08:00 - 17:30

08:00 **Welcome & Announcements**

James Stuppino, B.S., R.T. (R)(MR), SMRT President 2016-2017

Shawna Farquharson, M.Sc. (R), SMRT Program Chair 2017

Forum 1: **Plenary Session**

Moderators: Vera Kimbrell, BS, R.T. (R)(MR), FSMRT and Shawna Farquharson, M.Sc. (R)

08:10 **KEY NOTE: MRI – From the Past to the Present World of MRI Fingerprinting**

Mark Griswold, Ph.D.

08:55 **PLENARY: MRI and the Quest for Speed**

Kawin Setsompop, Ph.D.

09:40 **Break**

Forum 2: **Cardiac**

Moderators: Wendy Strugnell, B.App.Sc., (MIT), FSMRT and Martin Sherriff, B.Appl.Sc., R.T. (MR)

10:00 **Cardiac MRI in the Assessment of Pediatric and Neonatal Congenital Cardiac Disease: Current Challenges and Potential Solutions**

Vivek Muthurangu, M.D.

10:35 **Myocardial Delayed Enhancement-Imaging Challenges**

Cindy Comeau, B.S., R.T. (N)(MR), FSMRT

11:10 **2D vs. 4D Flow: Definition of Techniques and Clinical Applications**

James Carr, M.D.

11:40 - 12:55 **SMRT Annual Business Meeting and Lunch Break (no live stream)**

Forum 3: Proffered Papers

Moderators: Moderators: Su Liew, M.MR.Tech. and Sheryl Foster, MHIthSc., (MRS)(MRI)

12:55 President's Award: Short T2 Nerve Imaging using Vascular and Background Tissue Suppression in the Brachial Plexus at 3T
Ben Kennedy, B.App.Sc., Mst (MRI)

13:15 1st Place Clinical Focus Award: Developing a Protocol for Virtual Reality Preparation of Children Undergoing Magnetic Resonance Imaging
Glenn Cahoon, M.App.Sc. *(no CE credit)*

13:25 1st Place Research Focus Award: Pseudo Steady State (PSS) in 2D Fast spin Echo (FSE) Optimization for Image Resolution and Physiological Challenges and at 3T
Ben Kennedy, B.App.Sc., Mst (MRI) *(no CE credit)*

13:35 Break

***Forum 4: MRI Theory: From the Fundamentals to Advanced Imaging Applications**

Moderators: Julie Strandt-Peay, BSM, R.T. (R)(MR), FSMRT and Katrin Koziel, R.T.

13:45 Refresher of MR Image Formation Principles
Donald McRobbie, Ph.D.

14:20 Introduction to Hardware
Martin J. Graves, Ph.D.

14:55 Introduction to Parallel Imaging and Simultaneous Multi-Slice Acquisition
Kawin Setsompop, Ph.D.

15:25 Break

Forum 5: Neuro

Moderators: Barry Southers, M.Ed., R.T. (R)(MR), FSMRT and Helle Simonsen, (MRT), FSMRT

15:40 fMRI: From Acquisition to Analysis
Stefan Sunaert, M.D., Ph.D.

16:15 Diamond Sponsor • GE Healthcare
Steve M. Lawson, (R)(MR) *(no CE credit)*

16:25 DWI: From Acquisition to Analysis
Alan Connelly, Ph.D.

17:00 Clinical Use of Diffusion MRI and fMRI for Presurgical Mapping
Alberto Bizzi, M.D.

17:30 Announcements/Adjourn

Program - Sunday, 23 April 2017
08:00-17:30

08:00 **Welcome & Announcements**

Titti Owman, (R)(CT)(MR), FSMRT, SMRT President 2017-2018
Shawna Farquharson, M.Sc. (R), SMRT Program Chair 2017

Forum 6: **MRI Safety**

Moderators: Anne Sawyer, BS, RT, (R)(MR), FSMRT and Karla Epperson, (R)(MR)

08:05 **Diamond Sponsor • Philips Healthcare**

Marius van Meel BSc, R.T. (MR) *(no CE credit)*

08:15 **MRI Issues for Implants and Devices**

Frank G. Shellock, Ph.D., FACR, FACC, FISMRM

08:45 **Implant Heating**

Michael Steckner, Ph.D., M.B.A.

09:15 **An Update on FDA Reported Adverse Events and Safety Concerns for Medical Implants in the MRI Environment**

Sunder S. Rajan, Ph.D.

09:45 **MRI Safety Forum: Panel Discussion**

Frank G. Shellock, Michael Steckner, Sunder S. Rajan

10:00 **Break**

***Forum 7:** **T2* Imaging and Applications**

Moderators: Filip De Ridder, R.N. (T), FSMRT and Barry Southers, M.Ed., R.T. (R)(MR), FSMRT

10:20 **Clinical Applications of SWI**

Karen Tong, M.D.

10:55 **Quantitative Susceptibility Mapping**

Diego Hernando, Ph.D.

11:30 **The Role of MRI in Diagnosing and Monitoring of Multiple Sclerosis**

Klaus Schmierer, M.D., Ph.D.

12:00 – 13:05 **Non-Educational Awards and Lunch (no live stream)**

Forum 8: **Proffered Papers** *(no CE credit)*

Moderators: Martin Sherriff, B.Appl.Sc., R.T. (MR) and Jeremy Morrison, NDMDI, MHSc

13:05 **2nd Place Clinical Focus Award: A Practical Approach to RESOLVE DWI in 3T Breast MR Imaging**

Michelle Aye Myat Myat Htun, B.P.Sc

- 13:15** **2nd Place Research Focus Award: Effect of Multiband Acquisition on Temporal Signal to Noise Ratio (tSNR) at 3T**
Lori Talagala, R.T. (R)(MR)
- 13:25** **3rd Place Clinical Focus Award: Simultaneous Bilateral MR Guided Breast Biopsies**
Tanya Lynn Wah Kan, M.R.T. (MR)(R)
- 13:35** **3rd Place Research Focus Award: Comparison of Magnetic Resonance Spectroscopy Techniques at 3 Tesla and 7 Tesla for Detection of 2-hydroxyglutarate (2HG) in IDH Mutant Gliomas**
Lisa Desiderio, A.A.R.T. (R)(MR)
- 13:45** **Break**
- Forum 9:** **MSK Imaging**
Moderators: Kirsty Campbell, NDMDI, PG Dip (MRI) and Chris Kokkinos, B.App.Sc., Pg.Cert. (MRI)
- 13:55** **MRI Imaging in the Presence of Metal**
Alissa J. Burge, M.D.
- 14:30** **MSK Tips**
Megan Cromer, Ph.D., B.App.Sc. (Hons)
- 15:05** **Advanced Quantitative MSK Imaging Techniques**
Emily McWalter, Ph.D.
- 15:35** **Break**
- Forum 10:** **MRI Applications & Advances**
Moderators: Ben Kennedy, B.App.Sc., Mst(MRI) and Boel Hansson, (RT)(R)(CT)(MR)
- 15:50** **Advances in Imaging the Developing Brain**
Patricia Ellen Grant, M.D.
- 16:25** **Imaging of Neurodegeneration**
Adam Waldman, M.D., Ph.D.
- 17:00** **Future Directions of MRI**
Michael Moseley, Ph.D.
- 17:30** **Closing Remarks/Adjourn**