

7T Translational Alliance in North America 3rd Annual Meeting

Clinical Advances & Technical Challenges



Venue: T. Boone Pickens Biomedical Building
Auditorium, NG 3.112, 6001 Forest Park Rd,
Dallas, TX 75235

UT Southwestern
Medical Center

Advanced Imaging Research
Center

Monday, 14 July 2025

***Session Accredited for CME**

***SESSION
1
Clinical
Diagnostic
Imaging I**

- 08:45 AM** Anke Henning, PhD University of Texas Southwestern Medical Center
Opening remarks
- 08:50 AM** Erik H. Middlebrooks, MD Mayo Clinic, Jacksonville
Leveraging emerging technologies to improve clinical 7T imaging*
- 09:05 AM** Alexander Lin, PhD Brigham and Women's Hospital
Spectroscopy in the clinic: Reimbursement strategies at 3T and 7T*
- 09:20 AM** Jonathan Lau MD, PhD Western University
Experiences integrating 7T MRI into the stereotactic neurosurgery workflow*
- 09:35 AM** Coffee Break

***Keynote
Presentation**

- 10:00 AM** Jutta Ellerman, MD University of Minnesota
Clinical advances in musculoskeletal and body imaging*

***SESSION
2
Clinical
Diagnostic
Imaging II**

- 10:30 AM** Mai-Lan Ho, MD University of Missouri
7T in epilepsy: novel findings and insights into pathogenesis*
- 10:45 AM** Anke Henning, PhD University of Texas Southwestern Medical Center
Multi-modal MRI at 7T for brain cancer diagnosis, treatment planning and therapy response monitoring*
- 11:00 AM** Can Ozutemiz, MD University of Minnesota
7T clinical experience at UMN and current neuroradiology protocols*

***Panel
Discussion**

- 11:15 AM** Unmet Clinical Needs vs. Potential of 7T MRI*
- 12:00 PM** Lunch Break

**SESSION
3
Clinical
Advances**

- 01:00 PM** Sudha Seshadri, MD UT Health, San Antonio
7T MRI findings in a study of post-COVID
- 01:15 PM** Akbar Alipour, PhD Icahn School of Medicine at Mount Sinai
Sodium MRI: Investigating potential biomarkers in neurological disorders
- 01:30 PM** Deqiang Qiu, PhD Emory University
High resolution quantitative structural and physiological imaging at 7T
- 01:45 PM** Girish Bathla, MBBS, MMed Mayo Clinic, Rochester
Vessel wall imaging at 7T: MCR experience
- 02:00 PM** Jimin Ren, PhD University of Texas Southwestern Medical Center
Fibula bone thinning and density loss
- 02:15 PM** Power Pitches

**SESSION
4**

- 03:00 PM** Coffee Break
- 03:30 PM** Poster Session
- 04:30 PM** Vendor Presentations
- 06:30 PM** Evening Reception at The Perot Museum of Nature and Science
2201 N Field St, Dallas, TX 75201

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Tuesday, 15 July 2025

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***SESSION
5
Neuro I**

- 08:45 AM** Daniel Paech, MD, PhD, MSc Brigham and Women's Hospital
Clinical scanning in patients with MS and brain tumors*
- 09:00 AM** Jun Hua, PhD Johns Hopkins University
Imaging the human olfactory system on 7T*
- 09:15 AM** Ken Sakaie, PhD Cleveland Clinic
Neuroimaging Outside the Cerebrum at the Cleveland Clinic*
- 09:30 AM** Vincent Magnotta, PhD University of Iowa
Use of standard fMRI analysis pipelines for the analysis of 7T BOLD data*
- 09:45 AM** Chan Hong Moon, PhD University of Pittsburgh
Experience and progress of 7T MR research program at University of Pittsburgh Medical Center*

***Keynote
Presentation**

- 10:00 AM** Ravi Menon, PhD Western University
7T technical advances that aid clinical translation*
- 10:30 AM** Coffee Break

**SESSION
6
Neuro II**

- 11:00 AM** Danny Wang, PhD University of Southern California
7T ASL/7TANA neuroimaging protocol survey results
- 11:15 AM** Cramer Justin, MD Mayo Clinic, Arizona
3T-7T hippocampal volume comparison
- 11:30 AM** Bruce Damon, PhD Carle Illinois Advanced Imaging Center
The Champaign Urbana Population Study: A comprehensive neuroimaging study at 7T
- 11:45 AM** Yuxiang Zhou, PhD Mayo Clinic, Arizona
A 7T fMRI Atlas and coupling of cerebrovascular activity with CSF flow
- 12:00 PM** Power Pitches (Toolboxes)
- 12:30 PM** Lunch Break

**SESSION
7
Sequences
&
Technology**

- 01:30 PM** Sanjeev Chawla, PhD, DABMP University of Pennsylvania
Two-dimensional correlation spectroscopy on 7T
- 01:45 PM** Uzay Emir, PhD University of North Carolina, Chapel Hill
The PETALUTE sequence, transforming preclinical & clinical MRI & MRSI
- 02:00 PM** Greg Metzger, PhD University of Minnesota
Advances in UHF body imaging: Strategies and technologies
- 02:15 PM** An Vu, PhD University of California, San Francisco
X-Nuclei 7T Pilot Studies & NexGen 7T Opportunities
- 02:30 PM** Jiaen Liu, PhD University of Texas Southwestern Medical Center
High resolution 7 T MRI in neurological disorders
- 02:45 PM** Fuyixue Wang, PhD Harvard Medical School
Advanced MRI acquisition for neuroimaging at 7T
- 03:00 PM** Coffee Break

**SESSION
8**

- 03:30 PM** Break out Sessions (Body/MSK, Neuro, X Nuclei/MRS, RF Safety)
- 04:15 PM** Summary & Discussion of Break Out Sessions
- 05:00 PM** Facility tours & Adjourn