

# 7T Translational Alliance in North America 3<sup>rd</sup> 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

**Day 1: Monday, 14 July 2025**

**\*Session Accredited for CME**

### SESSION 1 Clinical Diagnostic Imaging I

- 08:30 AM** Anke Henning, PhD [University of Texas Southwestern Medical Center](#)  
Opening remarks
- 08:35 AM** Erik H. Middlebrooks, MD [Mayo Clinic, Jacksonville](#)  
Leveraging emerging technologies to improve clinical 7T imaging\*
- 08:50 AM** Daniel Paech, MD, PhD, MSc [Brigham and Women's Hospital](#)  
Clinical scanning in patients with MS and brain tumors\*
- 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 with 7T MRI for stereotactic neurosurgery at WU\*
- 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** Bruce Damon, PhD [Carle Illinois Advanced Imaging Center](#)  
The Champaign Urbana Population Study: A comprehensive neuroimaging study at 7T
- 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 (Clinical Advances)

### SESSION 4

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

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### Day 2: Tuesday, 15 July 2025

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#### SESSION 5 Neuro I

- 09:00 AM** Jun Hua, PhD [Johns Hopkins University](#)  
Imaging the human olfactory system on 7T
- 09:15 AM** Mark Lowe, PhD [Cleveland Clinic](#)  
Spine imaging at 7T
- 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 UPMC

#### 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** Sudha Seshadri, MD [UT Health, San Antonio](#)  
7T MRI findings in a study of post-COVID\*
- 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 (Research and Technology Development)
- 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

#### SESSION 8

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