

ADVANCED IMAGING RESEARCH CENTER

Celebrating 20 Years of Excellence

LOCATION

T. Boone Pickens Biomedical Building (NG 3.112)
6001 Forest Park Rd
Dallas, TX 75235

PROGRAM HIGHLIGHTS

- Origins of the Advanced Imaging Research Center: Vision and Collaboration – Craig Malloy, MD
- Historical overview – Hanzhang Lu, PhD
- Advanced Imaging Research Center: Scientific advances & future directions – Anke Henning, PhD
- Ribbon cutting of the MAGNETOM Cima.X – David Russell, PhD & William Dauer, MD
- Power pitches & poster awards

DAY 1 EVENING PROGRAM

5:30–8:00 PM | Poster Presentation and Dinner Reception Honoring Dr. Dean Sherry
Reflections by Jeannie Baxter, RN

DAY 2 FACILITY TOURS

5:30 PM

SPONSORS & ENDORSEMENTS

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ADVANCED IMAGING RESEARCH CENTER

IMAGING • SEEING • UNDERSTANDING • HEALING

Celebrating 20 Years of Excellence

30TH SYMPOSIUM AGENDA

DATES: July 6–7, 2026

TIME: 8:30 AM – 5:30 PM

VENUE: T. Boone Pickens Biomedical Building (NG 3.112)

ADDRESS: 6001 Forest Park Rd, Dallas, TX 75235

WELCOME REMARKS

Anke Henning, PhD

KEYNOTE

Dean Sherry, PhD

Imaging Physiology & Metabolism: A bit of history, good memories, and the joy of scientific discovery

Inside: full 2-day program

DAY 1 – MONDAY, JULY 6, 2026

7:30–8:30 AM: Registration & Breakfast

PLENARY SESSION

- 8:30–8:40 AM | Welcome Remarks – Anke Henning, PhD
- 8:40–9:00 AM | 30th Symposium Kickoff – Craig Malloy, PhD
- 9:00–9:30 AM | Keynote – Dean Sherry, PhD

SESSION I – CONTRAST AGENTS

- 09:30–09:45 AM | Martin Pomper, MD, PhD – PSMA: Origins and Outlook
- 09:45–10:00 AM | Stefan Gloeggler, PhD – Deuterium: An Emerging Isotope in Molecular Probe Development
- 10:00–10:15 AM | Zoltan Kovacs, PhD & Mai Huynh, PhD – A Novel DiaCEST Platform with Highly Shifted Exchanging Proton
- 10:15–10:30 AM | Vlad Zaha, MD, PhD – Cardiac Metabolic Vulnerability in CardioOncology Assessed by Hyperpolarized ¹³C MRI
- 10:30–10:45 AM | André Martins, PhD – Inside-out noninvasive metabolic imaging in vivo (Zoom)

10:45–11:00 AM: Break

SESSION II – METABOLISM

- 11:00–11:15 AM | Peter van Zijl, PhD – Sugar, Glycogen and their MRI Detection
- 11:15–11:30 AM | Matthew Merritt, PhD – Deuterium Magnetic Resonance in Animal Models
- 11:30–11:45 AM | Jimin Ren, PhD – Fueling Muscle Function: ATP Synthesis and Energy Regulation
- 11:45–12:00 PM | Jae Mo Park, PhD – Imaging carbon metabolism in motion
- 12:00–12:15 PM | Silvio Aime, PhD – Gd-Based Approaches to Investigate Metabolic Processes (Zoom)

12:15–12:30 PM: Power Pitches: Contrast Agents & Metabolism (3 min each)

12:30–01:30 PM: Lunch

SESSION III – PRECLINICAL IMAGING

- 1:30–1:45 PM | Janaka Wansapura, PhD – Unlocking the Power of Preclinical MRI
- 1:45–2:00 PM | Nian Wang, PhD – Integrating High-Resolution Preclinical MRI with Artificial Intelligence
- 2:00–2:15 PM | Nan Li, PhD – From Hemodynamics to Molecular Signaling: Expanding fMRI with Hemogenetic Reporters
- 2:15–2:30 PM | Ian Corbin, PhD – Imaging insights into biology and disease

SESSION IV – METABOLISM II

- 2:30–2:40 PM | Eul Suh, PhD – Metabolic Adaptation of the Brain During Menopause
- 2:40–2:50 PM | Jeffrey Alger, PhD – Cervantes, please analyze my ¹³C NMR spectrum

2:50–3:05 PM: Break

3:05–3:50 PM: Power Pitches: Preclinical Imaging (3 min each)

SESSION V – BODY MRI

- 4:00–4:15 PM | Elena Vinogradov, PhD – Chemical Exchange Saturation Transfer MRI
- 4:15–4:30 PM | Quyen Do, PhD – A researcher's path: radiomics-driven MRI in Placenta Accreta Spectrum
- 4:30–4:45 PM | Daniel Kim, PhD – Advanced Cardiovascular Magnetic Resonance for Patients with Cardiac Implantable Electronic Devices
- 4:45–5:00 PM | Daniel Addison, MD – Use of Advanced Cardiac Imaging in the Contemporary Cancer Patient

EVENING PROGRAM

- 5:30–8:00 PM | Poster Presentation and Dinner Reception Honoring Dr. Dean Sherry

DAY 2 – TUESDAY, JULY 7, 2026

7:30–8:30 AM: Registration & Breakfast

PLENARY SESSION

- 8:30–8:50 AM | Hanzhang Lu, PhD – Early history of neuroimaging at the Advanced Imaging Research Center
- 8:50–9:10 AM | Anke Henning, PhD – Advanced Imaging Research Center: Where did we come from, where do we go?

SESSION VI – CLINICAL NEUROIMAGING

- 09:15–09:30 AM | Nader Pouratian, MD, PhD – Neurosurgical Opportunities to Explore Neurophysiological Correlates of Neuroimaging
- 09:30–09:45 AM | Mayank Verma, MD, PhD – Imaging neuronal glycogen storage disorders
- 09:45–10:00 AM | Andre Russofsky Brunoni, MD, PhD – Neuroimaging biomarkers of Neuromodulation response in Major Depressive Disorder
- 10:00–10:15 AM | Bhavya Shah, MD – Transcranial Focused Ultrasound: Next Generation Image Guided Therapy
- 10:15–10:30 AM | Manish Jha, MD – Characterizing Neurocircuit Mechanisms of Irritability with Ketamine as a Pharmacological Probe

10:30–11:00 AM: Break

11:00–11:30 AM: Ribbon Cutting – Magnetom Cima.X | William Dauer, MD; David Russell, PhD

SESSION VII – HEALTHY AGING

- 11:30–11:45 AM | Amil Shah, MD – Advanced imaging in a longitudinal cohort: the AIRC and the Dallas Heart Study
- 11:45–12:00 PM | Rong Zhang, PhD – Arterial aging, exercise, and brain health
- 12:00–12:15 PM | Binu Thomas, PhD – From Blood Flow to Brain Health: Cerebrovascular MRI at the Advanced Imaging Research Center
- 12:15–12:30 PM | Kristen Kennedy, PhD – Differential 4-year Shrinkage of Hippocampal Subfields in Aging vs Alzheimer's Disease Risk Factors
- 12:30–12:45 PM | Sandra Chapman, PhD – Neurobehavioral Markers of Brain Health
- 12:45–01:00 PM | Chandramallika Basak, PhD – Aging and Brain Networks of Cognitive Control

1:00–2:00 PM: Lunch

SESSION VIII – IMAGING TECHNOLOGY

- 2:00–2:15 PM | Anke Henning, PhD – Metabolic MRI unleashed
- 2:15–2:30 PM | Hamed Ekhtiari, MD, PhD – AI Informed Neuromodulation
- 2:30–2:45 PM | Bei Zhang, PhD – A harmonized multi-vendor 7T RF coil for combined cerebral and cerebellar imaging
- 2:45–3:00 PM | Sheeba Anteraper, PhD – Cerebellar Connectomics
- 3:00–3:15 PM | Kimberly Chan, PhD – Advanced proton MRS and MRSI
- 3:15–3:30 PM | Jiaen Liu, PhD – Ultra-High-Field and Glymphatic MRI: Advancing Imaging of Aging and Neurological Disease
- 3:30–3:45 PM | Ashish Ranjan, PhD – Advancing the One Medicine Vision Through the Veterinary Radiation Oncology Clinic (VROC)

3:45–4:00 PM: Break

4:00–5:00 PM: Power Pitches: Human MRI: Technology Development & Applications (3 min each)

5:15 PM: Poster Awards, Closing Remarks & Adjournment

5:30 PM: Facility Tours