2025 Georgia Magnetic Resonance Symposium

December 16, 2025 | Georgia Tech

Poster Session Directory

Poster #	Presenter	Affiliation	Poster Title
IMAGING			
1	Kahn Hekmatyar	Georgia State University	GSU's Advanced Translational Imaging Center: Preclinical Research Platform for Georgia Investigators
2	Samuel Wilcox	Georgia Tech	Transforming the MRI Suite through Robotics: A Universal Platform for Enhanced Diagnostic Accuracy
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4	Brice Williams	Emory University	fMRI and Real-time PCMR Measure Different Components of CSF Flow Dynamics
5	Liana Hatoum	Emory University	4D Flow MRI of Cerebrospinal Fluid Dynamics
6	Sushil Bohara	Emory University / Georgia Tech	Ultrafast MRI Reveals Multiband Cerebrospinal Fluid Oscillations in the Mouse Lateral Ventricles
7	Pooja Datta Roy	Georgia Tech / Emory University	Using MRI to Detect Changes in Glymphatic Fluid Flow after mTBI
8	Beini Hu	Emory University	Systematic Evaluation of the Effects of Cerebral Blood Flow and Metabolism on Local Brain Temperature for Applications in Stroke Prognosis
9	Anjali Balaganesh	Georgia Tech	Repeatability of Brain Temperature in Healthy Adults at 7 Tesla
10	Kathryn Malone	Georgia Tech	Characterization of Regional Variations in Brain Temperature and Metabolite Concentrations in People with HIV
11	Ishita Raghuvanshi	Georgia Tech	Localized Brain Temperature Changes in Epilepsy Measured at Ultra-high Field
12	Daniel Lai	Georgia Tech	Quantification of T_1 and T_2 Metabolite Relaxation Times in Healthy Brain at 7 T
13	Scott Edwards	Georgia Tech / Emory University	Blood Oxygenation Level Dependent and Intravoxel Incoherent Motion Imaging as Predictors for Wound Resolution in Patients with Diabetic Foot Ulcers
14	Sophia Bamishaye	Georgia State University	Precision Detection and Staging of Renal Fibrosis in Polycystic Kidney Disease Using MRI with a Collagen-targeted Protein Contrast Agent
15	Lauren Daley	Georgia Tech / Emory University	Altered Spatiotemporal Dynamics Driven by Arousal State in the Awake Mouse Brain

16	Paul Park	Georgia Tech	Multi-entropy Characterization of Resting-state fMRI for Brain Network Complexity
17	Yuguang Meng	Emory University	High Resolution 7T Multi-echo R2* Mapping using a Probabilistic Bayesian Model for Motion Correction with Undersampled Data
SPECTROSCROPY			
18	Huston Locht	Georgia Tech	In Situ ssNMR Reveals Mechanistic Insights into Epoxide Ring-opening Over Bronsted and Lewis Acid Zeolites
19	Quinn Yu	Georgia Tech	Stability of Zeolites 13X and 4A Upon Exposure to Isoprene and Formic Acid
20	Dhara Patel	Georgia Tech	^{31}P NMR Insights into Rare Earth Element Phosphate Fractionation at Kaolinite–water Interfaces
21	Florian Ressnik	Georgia Tech	VT and EXSY NMR Analysis of Ligand Exchange Barriers in Actinide Inverse Trans Influence Complexes
22	Kelly Chiu	Georgia Tech	Peptide Nanostructures can be Pathological: How Solid-state NMR Guides Control Assembly Pathways to Produce Desired Molecular Structures
23	Oyeshina Oyeku	University of Georgia	Exploring Phycosphere Resource Use: A Pilot Real-Time NMR Study of Ruegeria Pomeroyi Drawdown of Six Major Diatom Metabolites
24	Ruoqing Jia	Georgia Tech	De Novo Design of Protein Antagonists of Bacterial Pathogen Type III Secretion System Needle Assembly
25	Elizabeth Corbin	Georgia Tech	NMR of ZAG
26			
27	FNU Vidya	Georgia Tech	Large Protein-like Leader Peptides Engage Differently with RiPP Halogenase Enzyme
28	Elijah Dunn	Georgia Tech	Characterization of Myocilin's Coiled Coil Domain and Intrinsically Disorder Linker Region Using NMR
28	Uri Miles	Georgia Tech	Structural Insights into CD7 Mediated Immune Activation
29	Jojo Xiang	University of Georgia	A Data-driven Pipeline for NMR Peak Reconstruction and Spectral Alignment
30	Saraa Al Jawad	University of Georgia	Effects of High Ionic Strength on NMR Signal-to-noise Ratio
31	Alexander Seletsky	University of Georgia	Glycan Conformation from 13C-detected Experiments, and Network for Advanced NMR