



Jiadi Xu, PhD, is an Associate Professor at the Kennedy Krieger Institute and the Department of Radiology at Johns Hopkins University School of Medicine. An accomplished MR physicist, Dr. Xu has pioneered the development and implementation of innovative NMR/MRI pulse sequences across diverse biological systems. His current research focuses on Chemical Exchange Saturation Transfer (CEST) MRI for monitoring tissue metabolism and non-invasive MRI for cerebrospinal fluid production and circulation—technologies now being translated to study ischemia, cancer, and neurodegeneration.

Academic Impact & Leadership

Research Excellence: Published over 140 peer-reviewed articles (h-index: 51; >9,500 citations) in high-impact journals including Nature Communications, Science Advances, JACS, Angewandte Chemie International Edition, Science and PNAS.

Funding Record: Secured over \$10 million in research funding as a Principal Investigator, supported by NIH (R01/R21) and the Department of Defense (DOD).

Professional Recognition: Recipient of the 2024 Distinguished Investigator Award from the Academy for Radiology & Biomedical Imaging Research. He currently serves as the Chair of the ISMRM CEST Study Group.

Global Engagement: An invited speaker at over 20 international venues, including ISMRM Educational Courses and the Chinese Congress of Radiology.

Mentorship & Service

Dr. Xu is a dedicated mentor whose trainees have earned multiple Summa and Magna Cum Laude Awards in ISMRM meeting and five OCSMRM Young Investigator Awards, including one first-place, two second-place, and two third-place honors. He contributes extensively to the field as a regular reviewer for Magnetic Resonance in Medicine, NeuroImage, Nature Communications and serves on several NIH and international grant review panels (e.g., DFG Germany, Belgian Alzheimer Foundation).

Vision for OCSMRM

A dedicated member of OCSMRM since 2012, Dr. Xu views the society as his academic home and is committed to its sustained growth. If elected to the Board of Trustees, his primary goals will be:

Global Networking: Strengthening collaborations between scientists in China and overseas institutions.

Junior Faculty Development: Fostering the next generation of MR scientists through dedicated mentorship.

Strategic Guidance: Organizing events focused on grant writing, manuscript preparation, and navigating the academic landscape and future trends in the MR field.