



Jie Wang

Postdoctoral Scholar, Radiology

Bio

BIO

Dr. Jie Wang is deeply passionate about magnetic nanotechnology, including magnetic resonance imaging (MRI), magnetic particle imaging (MPI), magnetic nanoparticles (MNPs), magnetic nanofluid hyperthermia (MNFH), magnetic biosensors, etc., for biomedical applications. His dissertation focuses on MRI-guided magnetic hyperthermia for cancer theranostics. Currently, his research interests include developing enzyme-activable nanoparticles for brain cancer theranostics and employing multi-modal imaging modalities to investigate the interaction between nanoparticles and biosystems (nano-bio interaction) within tumor microenvironment.

HONORS AND AWARDS

- Mikitani Cancer Research Grant, Co-PI, Stanford University (2024)
- Graduate School Travel Grant, University of South Carolina (2022)
- SPARC Graduate Research Grant, University of South Carolina (2021)
- Fundamental Research Grant for the Central Universities of Central South University, Central South University (2018)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of South Carolina (2023)
- Master of Science, Central South university (2019)
- Bachelor of Science, China Three Gorges University (2016)

STANFORD ADVISORS

- Heike Daldrup-Link, Postdoctoral Faculty Sponsor