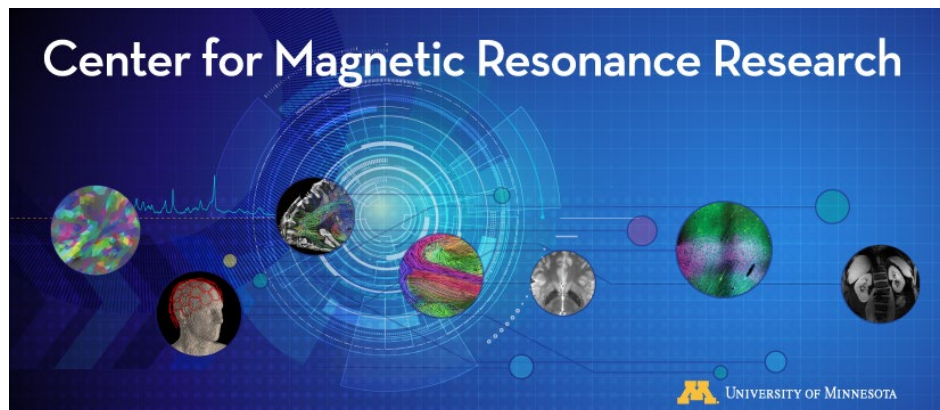


Post-Doc position Open immediately (100% appointment)



Qualifications

Required:

- PhD in physics, chemistry, biophysics, biochemistry, biomedical engineering, computer science, neuroscience or similar fields
- Experience acquiring and analyzing magnetic resonance spectra or images
- Track record of scientific publications

Preferred:

- Experience in acquiring MRI and MRS data from human subjects
- Experience acquiring and analyzing MR spectroscopy data
- Commitment to team science and multi-departmental collaboration
- Good communication skills
- Experience working with research participants and/or clinical patients

Duties/Responsibilities

The Department of Radiology at the **University of Minnesota** seeks a scientist to join a collaborative research program developing a non-invasive magnetic resonance imaging tool to interrogate human brain metabolism using the ultra-high field 10.5 T whole-body human MRI scanner and a novel dynamic deuterium to proton exchange MRS approach. The research will be conducted at the University's world-renowned **Center for Magnetic Resonance Research (CMRR)**, in collaboration with various colleagues from the CMRR and other collaborating institutions.

Primary responsibility will be to develop, test and validate various sequences in healthy volunteers at 10.5 T. Additional responsibilities will be spectral processing, critical analysis of data quality, archiving data, summarizing results, preparing manuscript and presentations, interacting with other team members and collaborators, mentoring students, and pursuing research and other scholarly activities.

To apply, follow the link:

<https://hr.myu.umn.edu/jobs/ext/356798>

Email Małgorzata Marjańska (gosia@umn.edu) for more information.

The University of Minnesota shall provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression.