Post-Doc position
Open immediately (100% appointment)

Qualifications
Required:
• PhD in physics, chemistry, biophysics, biochemistry, biomedical engineering, or similar fields
• Track record of scientific publications
• Good communication skills for working with patients, young and older adults

Preferred:
• Strongly prefer experience in acquiring MRI and MRS data from human subjects
• Strongly prefer experience with Siemens MRI environment
• Strongly prefer candidate with experience acquiring and analyzing MRS data
• Strong commitment to team science, and multi-departmental collaboration

Duties/Responsibilities
The Department of Radiology at the University of Minnesota seeks a scientist to join a collaborative research program which exploits MRI and MRS methods to characterize brain tissue during healthy aging, Alzheimer’s disease, and neurochemical changes under transcranial magnetic stimulation treatment for depression. 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 the Mayo Clinic in Rochester.

Primary responsibility will be to acquire high-quality localized spectra from human participants spanning young to older adulthood at 7 T using short echo time spectroscopy. These acquisitions will use custom-built radiofrequency head coils. Additional responsibilities will be spectral processing, critical analysis of data quality, archiving data, summarizing results, preparing manuscripts and presentations, interacting with collaborators, mentoring other students, and pursuit of research and other scholarly activities.

How to apply
Follow the link:
https://www.myu.umn.edu/psp/psprd/EMPLOYEE/EMPL/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&SiteId=1&FOCUS=Applicant&JobOpeningId=321261&PostingSeq=1

Email Małgorzata Marjańska, (gosia@umn.edu), or Melissa Terpstra (terps001@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.