Multiple NIH-Funded Post-Doctoral Positions in Novel Acquisition and MR Engineering Techniques

Multiple NIH-funded post-doctoral positions are available at the Department of Radiology, Feinberg School of Medicine of Northwestern University, located in the heart of downtown Chicago.

We are a dynamic team of physicists, engineers, and clinicians conducting cutting-edge imaging research in a 9,000-square-foot center that houses four state-of-the-art research-dedicated Prisma 3.0 Tesla and 1.5 Tesla Siemens Medical MR scanners, as well as a 7.0 Tesla Bruker scanner. Additionally, we have a Siemens C-ARM angiographic system, a Nexstim Transcranial Magnetic Stimulation (TMS) machine, and an MR simulator system that can be used to train subjects for the magnet environment.

Successful applicants will work on multidisciplinary NIH-funded projects with close collaboration with Siemens, several medical device manufacturers, and the US Food and Drug Administration (FDA). We invite all motivated and enthusiastic applicants with a related background to apply.

Qualifications: The ideal candidate holds a PhD in Electrical Engineering, Biomedical Engineering, Physics, or a related field. A background in one of the fields below is a significant plus, however, we strongly encourage all candidates with proven track record of the capacity to drive first author publications in any research area related to MRI to apply.

- Electromagnetic modeling and simulation software (e.g., ANSYS, Sim4Life, etc.)
- RF engineering, or microwave devices and antenna theory
- MR pulse sequence development
- MRI quantitative imaging
- MRI thermometry

Priority is given to applications received by September 30, 2024; however, the positions remain open until filled.

Interested candidates should send their CV to Dr. Laleh Golestani Rad at laleh.rad1@northwestern.edu

For related projects visit https://sites.northwestern.edu/lalehgradlab/