



Icahn School of Medicine at Mount Sinai
BioMedical Engineering and Imaging Institute

Postdoctoral Position in Advanced Radial MRI

BioMedical Engineering and Imaging Institute (BMEII)

Icahn School of Medicine at Mount Sinai

New York, NY

The BioMedical Engineering and Imaging Institute (BMEII: <https://bmeiisinai.org/>) at the Icahn School of Medicine at Mount Sinai is seeking a Postdoctoral Fellow to work on advanced radial MRI. The candidate will be working with Dr. Li Feng to develop GRASP (Golden-angle RADial Sparse Parallel imaging)-based new techniques for rapid free-breathing quantitative MRI. We are also actively exploring the use of deep learning techniques for improving radial MRI and quantitative MRI.

More information about GRASP MRI: <https://www.mrfengl.com/grasp-mri>.

If you are interested in radial MRI (e.g., stack-of-stars and 3D koosh-ball radial imaging), free-breathing MRI and their translation to new clinical applications, this will be an excellent opportunity to conduct productive and innovative research in this area and to quickly gain hands-on skills in radial image reconstruction, pulse sequence programming, and motion management.

The candidate is expected to have a PhD degree in a related field. Prior experience in fast MRI, image reconstruction or quantitative imaging would be a plus, but not required.

Facilities: BMEII currently has 3 Siemens MRI scanners dedicated to research (a 3T Skyra scanner, a Biograph mMR PET/MRI scanner, and a 7T scanner), along with other clinical MRI scanners within the Department of Radiology.

Location: The main campus of the Mount Sinai Health System is located in the upper east side of the New York City and is adjacent to the Central Park. Subsidized housing close to the Mount Sinai campus is available to Postdoctoral or Research Fellows.

Candidates interested in this position should send inquires and a CV to

Li.Feng@mssm.edu