

Postdoctoral Research Fellow Positions in Neuroimaging

Dr. David Zhu's research team at Albert Einstein College of Medicine is recruiting one to two postdoctoral research fellows in neuroimaging with a focus on brain image data analysis. This research fellow will support and conduct neuroimaging research on our current NIH funded studies. Using multi-modal neuroimaging modalities, including MRI and PET, we focus on two research themes: (1) risk reduction for Alzheimer's disease, and (2) traumatic brain injury. The postdoctoral fellow will also work on the development of brain image data analysis techniques, under the guidance of Dr. Zhu and will have a unique opportunity to work with a highly collaborative research team from multiple institutions, with exposure to cutting-edge research in neuroimaging, clinical neuroscience and vascular physiology. The postdoctoral fellow will also gain valuable technical experience by working on image data from various MRI platforms.

Montefiore-Einstein is nationally recognized for clinical excellence. The successful candidate will work in the Gruss Magnetic Resonance Research Center (Radiology) (<https://www.einsteinmed.edu/centers/gruss-magnetic-resonance-research>), where there are nine imaging research faculty members and a research-dedicated Philips Ingenia Elition X 3T human MR scanner and a new Bruker 7T animal MRI scanner.

The initial appointments are for one year and are renewable for the second and further years based on performance.

Requirements:

- Ph.D. degree with a strong training in image data analysis in MRI.
- Excellent Linux skills.
- Matlab, python or similar programming skills.
- Prior research experience in resting-state fMRI, ASL perfusion, DTI, SWI/QSM, flow quantification and PET is valuable.
- Experience in using common brain image data analysis packages (AFNI, FSL, SPM and FreeSurfer) is helpful.
- Strong skills in writing scientific papers.

Other skills and experiences also considered:

- Pulse sequence programming experience on Philips scanners.
- Research interest and data analysis in mouse/rat MR neuroimaging.

Salary range: \$65,000 - \$70,000

Benefits: Albert Einstein College of Medicine offers a comprehensive benefits package to support full-time postdoctoral fellows, **including a postdoctoral housing program.**

(<https://einsteinmed.edu/research/postdoctoral-affairs/postdoctoral-benefits-policies-and-procedures#benefits>).

For more information and application, please contact Dr. David Zhu (Professor of Radiology and Interim Director of Gruss Magnetic Resonance Research Center) via email:

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