**Associate Scientist in MRI neuroimaging at Emory University**

The Department of Neurology at Emory University in Atlanta, GA is seeking an Associate Scientist in MRI neuroimage analysis to work with a team of physicians and neuroscientists on multiple projects related to Alzheimer's Disease. The position provides excellent opportunities to work in an interdisciplinary environment and have close interactions with MR physicists and neuroscientists both at Emory and across multiple US institutions. Access to three dedicated research MR 3T Siemens Tim-Trio scanners and a powerful computer-cluster is provided part of this position. The program already includes/will include more than 1000 MRI collected from various projects and activities within the Department with multimodal sequences including structural, ASL, BOLD, rsfMRI, DTI, and CVR.

The qualifications of a successful candidate should include:

- A PhD degree in Electrical Engineering, Biomedical Engineering, Physics, or other related neuroscientific fields.
- Strong background in signal processing, image processing and quantitative analysis. Excellent proficiency with Matlab and/or C/C++ programming language.
- Demonstrated independent research capabilities and good organizational and inter-personal skills.
- **Previous experiences** with medical image processing including free-super, FSL and SPM are required.
- Previous training as post-doc in an image analysis lab is highly desirable.

The Associate Research Scientist is expected to work independently with supervision and training on performing unique image processing using existing tools and development of new methodologies. Potential research projects include but are not limited to: (1) analyzing CO2-vasoreactivity images; (2) analysis of resting state images and Flair-based White matter hyperintensities; (3) quantification and analysis methods for arterial spin labeling, dynamic susceptibility contrast imaging and diffusion tensor imaging. The candidate may assist in grant and other funding applications as necessary and appropriate, or may have their own research projects and/or have full responsibilities for specific areas of instrumentation or methodology development and user support and performs other responsibilities as required. The potential candidate possesses excellent technical, management, leadership, and professional expertise necessary to advance basic and/or translational research programs.

Interested applicants can email Dr. Ihab Hajjar at ihabhajjar@emory.edu.

To apply, please go to https://staff-emory.icims.com/jobs/29230/scientist%2C-asc-%28ar%29-som/job
Emory iCIMS job number 29230