

Quantitative MRI Analysis Scientist/Associate Professor or Professor - University at Buffalo - Department of Neurology

The Quantitative MRI analysis scientist for the Department of Neurology devotes 100% of work time to facilitating the achievement of technical MRI strategic objectives via the planning, creation, and application of computational analysis solutions to quantify conventional and non-conventional raw MRI data.

This position requires a highly creative individual with exceptional abstract problem-solving abilities and a rigorous attention to detail. Flexibility with regard to challenging tasks and assignment priorities is a must. Excellent written and verbal communication skills are essential, particularly the ability to maintain clear and concise documentation.

Position Category:

Faculty

Minimum Qualifications

PhD in Computer Science, Electrical Engineering, Biomedical Engineering or comparable field (doctoral candidates are welcomed to apply, expertise with medical imaging modalities, with particular emphasis on MRI, excellent understanding of algorithm design and implementation, significant experience programming in a high-level language (e.g. C++, Java, Python, Ruby), familiarity with common toolkits, such as ITK, VTK, and Matlab Image Processing Toolbox, familiarity with commonly used neuroimaging analysis software, including FSL and SPM, high-level experience with MRI image processing, mathematical proficiency, including knowledge of linear algebra and basic statistics, familiarity with the process of writing scientific papers, experienced in developing program plans and especially workload estimates, excellent written/verbal communication skills, knowledge of brain anatomy.

Preferred Qualifications

Physical Demands

Salary Range:

Negotiable

Multiple Positions Available?

No

FTE

0.30

Campus:

Buffalo General Hospital

Special Instructions to Applicants

Required Applicant Documents

Cover Letter

Letter of Interest

CV

Please apply via this

link: https://www.ubjobs.buffalo.edu/applicants/jsp/shared/position/JobDetails_css.jsp?postingId=186762

as well as send your CV and letter of interest to: kdenz@bnac.net