Assistant/Associate Project Scientist - Brain Tumor Imaging Laboratory

University of California Los Angeles

Requisition Number: JPF07356

The Department of Radiological Sciences at UCLA is seeking an experienced researcher to join the Brain Tumor Imaging Laboratory as an Assistant or Associate Project Scientist. The position requires a PhD degree in medical physics, biomedical engineering, physics, or a related field and demonstrated track record conducting animal imaging using diffusion MRI, perfusion MRI, MR spectroscopy, CEST, and/or hyperpolarized MRI. The incumbent will oversee efforts to develop novel pulse sequences for morphological and quantitative imaging on Bruker MRI systems. These efforts will include coordinating investigators and staff across multiple departments. The incumbent will also be responsible for providing technical and safety training and support including MR physics and data analysis. In addition, the incumbent will be able to use dedicated CAD packages/pipelines for specific processing (e.g. Bash or python pipelines containing FSL, Freesurfer, AFNI, R, MATLAB, Osirix, or SPM scripts). Applicants should have good communication skills with demonstrated experience contributing to grant submissions and publishing manuscripts in high impact journals.

The candidate will manage preclinical MRI operations for the Brain Tumor Imaging Laboratory and be responsible for:

• Developing and implementing novel protocols for preclinical MRI projects;
• Developing novel pulse sequences for morphological and quantitative imaging on Bruker MRI systems;
• Developing and implementing novel data analysis techniques to compliment various preclinical projects;
• Assisting investigators with experimental design and data analysis;
• Providing technical and safety training and support including MR physics and data analysis;
• Programming on Bruker and Siemens scanners;
• Conducting phantom and tissue specimens studies;
• Attending and preparing presentations for meetings.
• Keeping up to date with evolving technical standards and application frameworks.
To Apply: Email (1) an updated CV, (2) statement of research, (3) statement on contributions to equity, diversity, and inclusion (EDI), and (4) contact information for 3 references at https://aptrkr.com/3324273. Only applicants that apply through this website will be considered.

Cultural North Star. The shared values of the DGSOM are expressed in the Cultural North Star, which was developed by members of our community and affirms our unswerving commitment to doing what's right, making things better, and being kind. These are the standards to which we hold ourselves, and one another. Please read more about this important DGSOM program at https://medschool.ucla.edu/cultural-north-star.

To apply, please visit: https://aptrkr.com/3324273

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