Assistant/Associate Researcher - Brain Tumor Imaging Laboratory

University of California Los Angeles

Requisition Number: JPF07689

The Department of Radiological Sciences at UCLA is seeking an experienced researcher to join the Brain Tumor Imaging Laboratory as an Assistant or Associate Researcher. The position requires a PhD degree in medical physics, biomedical engineering, physics, or a related field and demonstrated track record conducting multinuclear, or X-nuclei, imaging (e.g. $^{23}\text{Na}$, $^{19}\text{F}$, $^{31}\text{P}$, $^{13}\text{C}$, etc.). The incumbent will oversee efforts to develop advanced MRI techniques for sodium imaging, especially with respect to signal enhancement and imaging speed. These efforts will include coordinating investigators and staff across multiple departments. 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. Applicants are expected to secure independent funding for the Program as Principal Investigator.

Responsibilities: The Department of Radiological Sciences at UCLA has an immediate opening for a Researcher. The candidate will manage the Department's Sodium Imaging Program and be responsible for:

- Develop MRI techniques for sodium imaging and implementing novel protocols for MRI projects;
- Developing novel pulse sequences for morphological and quantitative imaging;
- Assisting investigators with experimental design and data analysis;
- Providing technical and safety training and support including MR physics and data analysis;
- Programming on Siemens scanners;
- Conducting phantom and tissue specimen 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 to: at https://apptrkr.com/3295270. 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://apptrkr.com/3295270

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