



July 2017

## Postdoctoral Positions in Medical Imaging

NIH-funded postdoctoral positions in medical imaging with a focus on magnetic resonance imaging are available in the Laboratory for Structural, Physiologic and Functional Imaging (LSPFI) in the Department of Radiology at the University of Pennsylvania Medical Center.

Expected activities center on the further development of methods and their translation to studies in patients by means of quantitative MRI procedures. Areas of concentration include design and implementation imaging methods for the study of neurometabolism, vascular reactivity in the peripheral vascular system, blood oxygenation and whole-organ oxygen consumption, as well as investigations focusing on mineralized tissues of the musculoskeletal system. Candidates should have an advanced degree (Ph.D. or M.D./Ph.D.) in physics, physical chemistry, biomedical engineering, or electrical/electronic engineering and a strong research record as well as excellent verbal and written communication skills. Candidates with hands-on MRI laboratory experience, including pulse-sequence design, image reconstruction, processing and analysis are preferred but candidates with experience in other fields of imaging will be considered as well.

In addition to the above qualifications, applicants require significant interpersonal skills and ability to effectively communicate with physicians and medical staff and willingness and ability to assume a leading role in translational patient studies. The ideal candidate is a Ph.D. or M.D./Ph.D. with experience in medical imaging.

The Department of Radiology's Center for Advanced MR Imaging and Spectroscopy (CAMRIS) accommodates multiple whole-body MRI research scanners operating at 1.5, 3 and 7T field strengths, designed for experimental and patient related research, as well as various small-bore systems for specimen and animal studies ranging from 4.7 to 9.4T field strength.

The University of Pennsylvania is an equal opportunity employer and women and applicants of underrepresented minorities are particularly encouraged to apply. Preference will be given to U.S. citizens, or those lawfully admitted for permanent residence. Support for one position will be derived solely from a National Institutes of Health T32 Training Grant, open only to applicants who are U.S. citizens or have permanent resident status ("green card" holders).

Applicants are requested to submit via email: 1) a curriculum vitae; 2) a brief cover letter outlining research interests, experience, qualifications; 3) a list of 3 references with contact information, to:

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