Two NIH-funded postdoctoral positions focused on medical imaging is available in the Department of Radiology at the University of Pennsylvania Perelman School of Medicine.

Expected activities center on the further development of methods and their translation to studies in patients by means of quantitative MRI, CT, and/or PET procedures. Areas of concentration include design and implementation of imaging methods for the study of musculoskeletal, orthopaedic, or cardiovascular systems. Candidates should have an advanced degree (Ph.D. or M.D./Ph.D.) in engineering, physics, chemistry, computer science, mathematics, or related field and a strong publication record. Candidates with MRI pulse-sequence design, image reconstruction, deep learning, and/or software development are preferred. Excellent scientific spoken and written English language skills are essential. In addition to the above qualifications, applicants require significant interpersonal skills and ability to effectively communicate with other research collaborators, physicians, medical staff and willingness and ability to assume a leading role in translational patient studies.

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. Similarly, multiple CT and PET systems are available for pre-clinical and translational research.

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.

Applicants are requested to submit via email: 1) curriculum vitae; 2) brief cover letter outlining research interests, experience, qualifications, future career goals; 3) list of of 3 references with contact information, and immigration status to Chamith Rajapakse (chamith@pennmedicine.upenn.edu).