Radiology Research Associate - Center for Biomedical Image Computing and Analytics (CBICA)

The Department of Radiology at the Perelman School of Medicine at the University of Pennsylvania seeks candidates for a Research Associate position in the Academic Support Staff. This appointment will be initially for one (1) year and continuation during that time period and renewal are based on satisfactory performance and availability of funding (limited to three (3) years). Applicants must have a Ph.D. or equivalent degree.

Responsibilities may include the development of biomedical image analysis algorithms with emphasis on advanced machine learning (deep learning) methods for MRI/CT/PET data analysis and applications to brain development, aging, Alzheimer’s disease, neuropsychiatric diseases, urology, and cancer research. Responsibilities include involvement in various imaging studies utilizing advanced image analytics and supervision of junior research investigators for developing algorithms of image segmentation and registration, time-series data modeling, and pattern recognition. The research will be conducted at the Center for Biomedical Image Computing and Analytics (CBICA), a dynamically growing medical image computing center, involving several laboratories and many collaborators from diverse fields.

The successful applicant will have an opportunity to participate in collaborative research projects with multidisciplinary research teams of Penn Medicine and the Children’s Hospital of Philadelphia, as well as to launch an independent research career in the area of computational medical imaging analytics.

Applicants must have a doctoral degree in computer science, electrical engineering, biomedical engineering, physics, applied mathematics, or a related field and have demonstrated excellent qualifications in research. The successful applicant will have first-hand experience in machine learning and biomedical image analysis.

We seek candidates who embrace and reflect diversity in the broadest sense. The University of Pennsylvania is an EOE. Minorities/women/individuals with disabilities/protected veterans are encouraged to apply.

Equal Employment Opportunity Statement
The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, University of Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).