

Postdoctoral Researcher in Biomedical Imaging

University Overview.

The University of Pennsylvania, the largest private employer in Philadelphia, is a world-renowned leader in education, research, and innovation. This historic, Ivy League school consistently ranks among the top 10 universities in the annual U.S. News & World Report survey. Penn has 12 highly-regarded schools that provide opportunities for undergraduate, graduate and continuing education, all influenced by Penn's distinctive interdisciplinary approach to scholarship and learning.

Penn offers a unique working environment within the city of Philadelphia. The University is situated on a beautiful urban campus, with easy access to a range of educational, cultural, and recreational activities. Philadelphia is the perfect place to call home for work and play with its historical significance and landmarks, lively cultural offerings, and wide variety of atmospheres.

Laboratory Overview.

The Laboratory for Advanced Computed Tomography Imaging of Dr. Peter B. Noël in the Radiology Department of the University of Pennsylvania (www.pennmedicine.org/CTresearch) is seeking a full-time, postdoctoral researcher with expertise in biomedical imaging. The research of the laboratory is dedicated to developing next-generation x-ray and Computed Tomography solutions to make additional diagnostic and therapy information available that exceeds current clinical standards. Primary research interest is spectral x-ray imaging with photon-counting detectors and phase contrast & dark-field imaging in combination with the development of advanced algorithmic solutions.

Job Description Summary.

Postdoctoral researcher positions are available for both software- and hardware-focused projects. A candidate for this position should hold a Ph.D. in one of the following or closely related fields: physics, bioengineering, computer sciences, mechanical engineering, or electrical engineering. Prior working experience in biomedical imaging is highly desirable however, not mandatory. A strong background in x-ray imaging/simulation, medical image reconstruction, and/or machine learning is a plus. The applicant should be highly motivated, exhibit excellent interpersonal and communication skills, and be able to prioritize multiple tasks.

Applicants should send an email with attached CV explaining their interest in the position to Dr. Noël (peter.noel@penmedicine.upenn.edu).