

Post-Doctoral Research Associate Opening(s) in Developing Semiconductor Imaging Detectors for X-ray, SPECT and PET Imaging Application.

The Radiation Detection and Imaging Group at the University of Illinois at Urbana-Champaign (UIUC) is seeking one or two postdoc research associate(s) to work on research projects funded by NIH and DOE. The general area of research includes the development of advanced small-pixel semiconductor (CZT, CdTe etc.) detectors, readout electronics, and the development of imaging system for X-ray fluorescence CT and multimodality X-ray/SPECT/PET/MR molecular imaging. In addition, we are collaborating broadly with a broad range of research groups working on a nano-medicine, biomarkers for molecular imaging, microfluidic devices, and optical, ultrasound and MR imaging techniques. We would also expect the candidate to benefit from the rich research environment and to develop their future directions.

Ideal candidate should have PhD degree in physics, medical physics, bioengineering, electronic engineering and other related fields, and process experiences in the following (or a subset of) areas, radiological imaging techniques, and detector physics, readout electronics, image processing and programming in Matlab and C.

To apply send a letter of application detailing relevant experience and career objectives, a curriculum vitae, and the names of three references to: Ling-Jian Meng, PhD, Department of Nuclear, Plasma and Radiological Engineering, The University of Illinois at Urbana-Champaign (UIUC), 111E Talbot Lab, 103 S Wright St, Urbana, IL61822, or call Dr Meng at (217) 3337710, or e-mail <ljmeng@illinois.edu>.