

## **Assistant Research Scientist/Professor**

**Department of Nuclear, Plasma, and Radiological Engineering,  
Department of Bioengineering,  
The Grainger College of Engineering,  
University of Illinois Urbana-Champaign**

The Department of Nuclear, Plasma, and Radiological Engineering (NPRE) and the Department of Bioengineering (BIOE) at The Grainger College of Engineering seeks applicants for the position of assistant Research Scientist/Professor. The successful candidate will lead several research efforts funded through the National Institutes of Health (NIH), develop new research areas and external funding, supervise graduate students, and collaborate with external stakeholders as needed, and will be reporting to Professor Ling Jian Meng at the Departments of NPRE and BIOE.

*The University of Illinois is an Equal Opportunity, Affirmative Action employer that recruits and hires qualified candidates without regard to race, color, religion, sex, sexual orientation, gender identity, age, national origin, disability or veteran status. For more information, visit <http://go.illinois.edu/EEO>.*

### Specific duties and responsibilities include:

- Lead several research efforts funded through the NIH to develop clinical imaging systems based on semiconductor imaging sensors.
- Develop new research areas and external research funding.
- Supervise graduate students and collaborate with physicians in several clinical institutions.
- Potentially develop new courses in the area of radiation physics, and radiological imaging, and participate in teaching undergraduate and graduate courses.

### Minimum Qualifications:

- Ph.D. in bioengineering, electrical engineering, and/or medical physics.
- Strong technical experience in semiconductor imaging sensors, measurement techniques, readout electronics, and/or image processing.
- Experience as a postdoc researcher in medical physics and nuclear imaging instrumentation.
- Postdoctoral research in radiological imaging.

### Preferred Qualifications:

- Experience in developing major nuclear medicine instrumentations, such as PET, SPECT, and X-ray imaging systems.
- Radiation physics.
- Medical instrumentation.
- Radiation imaging sensors and electronics.
- Strong programming skills with one or more of the following programming languages, C, C++, Python, Matlab, and Labview.

The Research Scientist position is a full-time, benefits-eligible academic professional position appointed on a 12-month service basis. The expected start date is as soon as possible after the closing date. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Salary is commensurate with experience and qualifications.

To apply for this position, please create your candidate profile at <http://jobs.illinois.edu> and upload your cover letter,

resume, and names/contact information for three references by Dec. 31, 2023. Full consideration will be given to complete applications received by the closing date. For further information regarding application procedures, contact Professor Ling-Jian Meng (email address: [ljmeng@illinois.edu](mailto:ljmeng@illinois.edu)).

*The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer. Convictions are not a bar to employment. The University of Illinois System requires candidates selected for hire to disclose any documented finding of sexual misconduct or sexual harassment and to authorize inquiries to current and former employers regarding findings of sexual misconduct or sexual harassment. For more information, visit ["Policy on Consideration of Sexual Misconduct in Prior Employment."](#)*

*As a qualifying federal contractor, the University of Illinois System uses E-Verify to verify employment eligibility. The University of Illinois must also comply with applicable federal export control laws and regulations and, as such, reserves the right to employ restricted party screening procedures for applicants.*

*University of Illinois faculty, staff, and students are required to be fully vaccinated against COVID-19. If you are not able to receive the vaccine for medical or religious reasons, you may seek approval for an exemption in accordance with applicable University processes.*

