



Post-Doctoral Fellowship in Nuclear Medical Physics

A three-year **Post-Doctoral Fellowship in Nuclear Medical Physics** is available at Department of Radiology of the University of Massachusetts. The position is designed to train recent graduates to work as a medical physicist in an academic department, a clinical position (training for ABSNM certification), or in industry. They will also be introduced to NIH grant writing. The successful candidate will participate in ongoing research in single photon emission computed tomographic (SPECT) imaging, reconstruction, motion estimation and correction, and applications of machine learning. The facilities available include private office/research space, high-performance workstations, a large CPU/GPU cluster facility, and access to nuclear medicine imaging systems in the clinics.

Candidates must have a doctoral degree in medical physics, physics, applied mathematics, engineering, or computer science. Proven expertise in C/C++ and/or python programming and working with Linux and Windows workstations is required. Demonstrated experience with tomographic imaging and reconstruction, Geant4/GATE/SIMIND Monte Carlo simulation, MATLAB, machine learning (particularly deep learning(DL)) with a focus on medical imaging, and programming with one or more of the major DL packages (Pytorch, Tensorflow, Caffe, etc.) is desired.

To apply send a letter of application detailing relevant experience and career objectives, a curriculum vitae, and the names of three references to: **Michael A King, PhD, Division of Nuclear Medicine, The University of Massachusetts Medical School, 55 Lake Ave North, Worcester, MA 01655**, call Dr King at (774) 442-4255, or send an e-mail to Michael.King@umassmed.edu.

The University of Massachusetts is an equal opportunity employer.