

POSTDOCTORAL POSITIONS IN PET/CT IMAGING PHYSICS

The University of Washington in Seattle has post-doctoral fellowships in PET/CT imaging physics. The positions are designed to train recent PhD graduates to work as a medical physicist in industry or in an academic department. The successful candidates will become part of a research program focusing on improving the imaging capabilities for clinical PET, CT, and PET/CT scanners for humans. The Imaging Research Laboratory (depts.washington.edu/nucmed/IRL) is active in all aspects of PET/CT imaging, from basic detector module designs through optimization of imaging protocols to data analysis and image display.

Successful candidates will also be exposed to the major radiologic imaging modalities and procedures, provided with career development opportunities, assist in teaching courses on medical imaging, and participate in industrial sponsored research. The facilities dedicated to medical imaging research include multiple workstations and a dedicated computer cluster. The clinical department is scheduled for renovation in 2004/2005 with the addition of a new PET/CT scanner, four 64-slice CT scanners, two MRI scanners, and 10 Ultrasound scanners.

Candidates must have a doctoral degree in medical physics, physics, applied mathematics, engineering, or computer science. Proven expertise in programming, Unix, and mathematics through linear algebra and Fourier methods is essential. Experience with detectors, tomographic imaging and reconstruction, modeling radiation transport, image processing, signal processing, observer studies, Monte Carlo simulation is desired. Candidates interested in gaining clinical experience are sought.

To apply, send a letter of application detailing relevant experience and career objectives, a curriculum vitae, a list of graduate courses, and the names of three references to: Paul Kinahan, PhD, Department of Radiology, The University of Washington, Box 356004, 1959 NE Pacific St. Seattle, WA 98195-6004 USA email: kinahan@u.washington.edu, URL: depts.washington.edu/nucmed/IRL. The University of Washington is an equal opportunity employer.

If you will be at the 2005 IEEE Medical Imaging Conference, please contact Dr Kinahan there for an interview.