Postdoctoral Fellowship in Translational Spectral CT Research

The UT Southwestern Department of Radiology is currently seeking qualified applicants for a Postdoctoral Fellowship in translational Spectral CT research. This research will involve both phantom and clinical imaging on our new Philips iQon dual-layer Spectral CT systems located in the Outpatient Clinic and the Clements University Hospital. The material quantification capabilities of these Spectral CT systems will be used to identify and study new in vivo biomarkers, both endogenous and exogenous in origin, for improved disease detection and diagnosis. The Postdoctoral Fellow will work closely with other UT Southwestern Radiology scientists and clinicians as well as employees from Philips Medical Systems. The researcher will also have access to two Siemens dual-source Spectral CT systems (Force and Flash) located in Parkland Memorial Hospital, and preclinical PET/CT (Siemens Inveon) and SPECT/CT (BioScan) systems located in the Department of Radiology and the Advanced Imaging Research Center.

Applicants must have a Ph.D. in physics, medical physics, radiological sciences, chemistry, biomedical engineering, or other medical imaging sciences. Experience in x-ray computed tomography (clinical and/or preclinical), molecular imaging methods, computer programming (e.g., Matlab, Python), small animal handling, and proficiency in English is preferred. This appointment should last 2 to 3 years with first author publications, conference presentations (e.g., RSNA), and grant applications (e.g., NIH K Awards) a requisite. Competitive salary and benefits are on the NIH pay scale.

Qualified applicants should send a current CV and three references to:

Todd C. Soesbe, Ph.D.
Assistant Professor
Department of Radiology
UT Southwestern Medical Center
5323 Harry Hines Boulevard
Dallas, Texas 75390-8896
Todd.Soesbe@UTSouthwestern.edu

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