

Postdoctoral Position in PET Physics Research

A postdoctoral training position is available in the laboratory of [Spencer L. Bowen, Ph.D](#) in the Department of Radiology at UT Southwestern Medical Center to study PET physics research. [The Bowen Lab](#) has several exciting projects related to the development of hybrid PET-CT and PET-MR tools to advance precision imaging for the care and study of oncology, neurology, and cardiology patients. The researcher will initially focus on an NIH-funded project aimed at generating and characterizing a new high-performance PET data correction scheme. The lab has several other exciting PET and CT algorithm development projects that the postdoctoral fellow may also have the opportunity to work on.

Candidates must hold a Ph.D. in physics, electrical engineering, biomedical engineering, or other medical imaging related fields. Experience in inverse methods or reconstruction algorithms applied to tomographic imaging, computer programming (i.e. C, Matlab), and proficiency in English are required. A successful record of authorship on peer-reviewed publications and conference presentations is recommended. Researchers with a background in the development of PET data corrections and reconstruction algorithms, as well as Monte Carlo simulations, and experimental work with radiotracers, are particularly encouraged to apply.

The Department of Radiology at UTSW is committed to developing a world class PET research program, and researchers in The Bowen Lab will have access to state of the art [preclinical](#) and clinical PET systems, including a soon to be installed PET-MR scanner, a [cyclotron and radiochemistry program](#) led by Dr. Xiankai Sun, Ph.D., and extensive computing resources, including two modern computer clusters. UT Southwestern Graduate School of Biomedical Sciences ranked 18th in the nation among graduate schools for Biological Sciences (U.S. World and News Report) and there are well established collaborations with the Simmons Cancer Center, the Peter O'Donnell Jr. Brain Institute, and several clinical departments (e.g. Surgery and Urology), that the postdoctoral fellow may benefit from.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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<https://www.utsouthwestern.edu/research/cyclotron/>

<https://profiles.utsouthwestern.edu/profile/192261/spencer-bowen.html>

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