Postdoctoral Fellow in Molecular Imaging

A postdoctoral training position is available in the laboratory of Dr. Orhan K. Öz, in the Radiology Department at UT Southwestern Medical Center to study molecular imaging of infections, develop and apply ImmunoSPECT and ImmunoPET. The Öz Lab has several exciting projects related to advancing nuclear imaging of diabetic foot infections, elucidating the role of estrogen in bone and energy metabolism using transgenic murine models, developing novel radiotracers for the detection of infection, and exploring physiology of adipose tissue through molecular imaging. In our translational research setting, these projects are aimed at improving care and quality of life for patients confronting diabetes, cancer, and infection targeted molecular imaging in prostate and other cancers.

The postdoctoral trainee will work and study in an exciting environment of physician scientists, chemists, radiochemists, and imaging scientists. Additionally, UT Southwestern has a variety of core facilities to support studies. The fellow can learn the principles and practice of PET, SPECT, CT, DEXA, and microCT imaging modalities if needed. Molecular mechanisms underpinning imaging observations are foundational for our studies. As such, we require familiarity with a variety of experimental techniques including isolation and characterization of immune cells in rodent models, development of tumor models in mice, RNA isolation and qPCR, Western blotting, enzymatic assays, ELISA, LC-MS/MS proteomics, immunohistochemistry, immunofluorescence, and cell culture. Programming ability or proficiency with R for omics data analysis is desirable. We work extensively with small animal models and comfort with animal handling is required.

Candidates must hold a recent Ph.D. and/or M.D. degree and have a strong background in immunology. Experience in clinical or pre-clinical molecular imaging, biochemistry, molecular biology, cell biology, biostatistics or bioinformatics are recommended. Applicants should have a strong academic record, publication in peer-reviewed journals, strong communication and organizational skills, and the ability to work both independently and as part of a multidisciplinary team. Interest in artificial intelligence and machine learning is a bonus.

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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