

The Yale logo, featuring the word "Yale" in a blue, serif font.

PhD Students and Post-doctoral Fellow Positions

PET/SPECT/CT Imaging

Yale University

New Haven, CT, USA



Yale University has two positions open for PET/CT and SPECT/CT imaging research projects. One position is for a PhD student in the Department of Biomedical Engineering (BME). PhD candidates in BME have their tuition paid and receive a stipend for living expenses (>\$2500 per month). The other position is for a Post-doctoral Associate in the Department of Diagnostic Radiology.

The candidates will be exposed to a unique training and research environment with a variety of imaging modalities. Research projects are funded by NIH, American Heart Association, and industrial partners. Projects include, but are not limited to, advanced image reconstruction, respiratory and cardiac motion corrections, dynamic oncological and cardiac imaging, dose reduction, integrated multi-modality instrumentation, and quantitative imaging. Translational and clinical applications include early detection of chemotherapy-induced cardiotoxicity, multimodality imaging of heart failure, and eliminating respiratory motion variability for assessing response to therapy. Substantial career development and clinical collaboration opportunities are available to candidates.

PhD student applicants and post-doctoral applicants should have BS/MS or PhD, respectively, in medical physics, biomedical engineering, electrical engineering or a related field. Strong analytical, programming, and experimental skills are essential. Experiences in image reconstruction, algorithm development, imaging physics, and image analysis are highly desirable.

Interested individuals should send a C.V., letter of interest, and contacts of three references by email to Dr. Chi Liu (chi.liu@yale.edu), Assistant Professor of Diagnostic Radiology and Biomedical Engineering. To arrange a meeting at IEEE MIC in Seattle, please email to arrange.



Yale University is an Equal Opportunity Employer. Applications from women and members of minority groups are encouraged.