



University of California
San Francisco
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POSTDOCTORAL OR CAREER RESEARCHER POSITION IN BIOMEDICAL IMAGING

Department of Radiology &
Biomedical Imaging
185 Berry Street, Suite 350
San Francisco, CA 94107

The UCSF Physics Research Laboratory (PRL) in the Department of Radiology & Biomedical Imaging at the University of California, San Francisco invites candidates for a postdoctoral scholar or career researcher opportunity. There are multiple positions available with a flexible start date. This position will work on physics, instrumentation, or computational research projects that involve biomedical imaging modalities such as PET/CT, PET/MR, SPECT/CT, or x-ray CT.

PRL, the birthplace of the combined dual-modality SPECT/CT technology, focuses on biomedical imaging research specifically with combined dual-modality SPECT/CT, PET/CT, PET/MRI, and advanced x-ray/CT imaging systems. Our research program is broad from basic instrumentation development to clinical and preclinical imaging applications in oncologic, cardiovascular/cerebrovascular diseases, and neurological disorders. Please visit www.radiology.ucsf.edu/physics to find out our research activities and accomplishments.

Specific job functions for this advertised position include:

Advanced image analytics on PET and SPECT data, implementation of artificial intelligence technologies to image processing, imaging system modeling, and image reconstruction, advanced image analytics on x-ray CT data, kinetic modeling of dynamic imaging data, radiation dosimetry technology development, phantom studies, data collection, processing, and management, instrumentation design, building, and evaluation.

Requirements: Candidates should possess an advanced degree such as PhD. A Master's degree holder will be also considered for the position as long as relevant work experience is verified. Experience in developing radionuclide or x-ray imaging techniques is not required. The advanced degree should be in physics, medical physics, bioengineering, computer science, electrical, mechanical, or computer engineering, applied mathematics, biophysics, radiological sciences, optical sciences, or any related science/engineering field. Please send CV and brief statement describing the candidate's interest and any experience in biomedical imaging to:

youngho.seo@ucsf.edu or to: Prof. Youngho Seo, Department of Radiology & Biomedical Imaging, 185 Berry Street, Suite 350, San Francisco, CA 94107, USA

The UCSF Department of Radiology and Biomedical Imaging has a rich history of innovation and academic leadership. Significant advances in research by our department over the past decades have fostered new clinical, technical, and scientific developments in medical imaging and have garnered growing national acclaim for the quality and scope of our teaching, research, and patient care programs. The Center for Molecular and Functional Imaging (CMFI) at China Basin Landing, adjacent to the UCSF Mission Bay campus, positions the department for even greater advances over the next decades. The CMFI opened in December 2003 with the purpose of centralizing and enhancing both preclinical and clinical imaging research at UCSF. The CMFI is a state-of-the-art research and clinical facility and houses major research groups with basic and clinical science faculty members focusing in imaging probe development, instrumentation development, and translational imaging research. The PRL is an integral part of the CMFI research community, and possesses its own rich history in research excellence.

Please see <http://www.radiology.ucsf.edu/physics> for more information on our research activities.