

Postdoctoral Scholar in Dynamic Cardiac PET Imaging

POSITION We are seeking a highly motivated Postdoctoral Scholar to work in the area of translational dynamic PET/CT imaging in the Department of Radiology at the University of California, Davis. The position is open immediately. The successful candidate will lead a project that develops and implements new dynamic PET methods for quantitative myocardial perfusion and myocardial viability imaging on clinical whole-body PET/CT scanners. The project also involves the opportunities of applying and integrating machine learning methods into dynamic PET/CT imaging.

ENVIRONMENT AND OPPORTUNITIES The successful applicant will join in a dynamic team that involves experts in various aspects of biomedical imaging, having extensive opportunities to be exposed to cutting-edge technological developments in PET, CT, MRI, optical and other imaging modalities. UC Davis is ranked 9th among U.S. public universities and the Medical Center is ranked top 20 hospitals in primary care (U.S. World and News Report). Clinical collaborations and career development in translational imaging will be available to the Postdoctoral Scholar.

REQUIREMENTS The applicant should have a doctoral degree in medical physics, biomedical engineering, electrical engineering or related field. Background in biomedical imaging is required. The ideal candidate will be creative with prior experience in one or more of the following computational imaging areas: tomographic image reconstruction, PET data corrections, motion estimation, tracer kinetic modeling, machine learning, and general image processing. Skills of MATLAB and C/C++ programming are essential. Knowledge of the heart and dynamic imaging is a plus.

APPLICATION Interested candidates please send your curriculum vitae and the names and contact information of three references to Dr. Guobao Wang (gbwang@ucdavis.edu) at the Department of Radiology, UC Davis Medical Center.

