



June 2, 2019

Postdoctoral Fellowship Opening in the Wang lab for Advanced X-Ray and CT Imaging

A position for highly motivated postdoctoral fellows is available immediately in the Wang lab for Advanced X-Ray and CT Imaging at Stanford University. The lab's interests revolve around the following areas:

- Novel systems and methods for x-ray and CT imaging
- Dual energy / spectral imaging, including photon counting detectors
- Monte Carlo and Deterministic methods for x-ray imaging and radiation dose
- Model-based image reconstruction
- Applications of artificial intelligence / machine learning / deep learning to medical imaging

Lab resources include:

- Zeego Lab (zeegolab.stanford.edu), a robotic C-arm that supports interventional imaging, animal studies, and more
- Tabletop Cone-Beam CT Lab, for prototyping novel systems, custom geometries, and phantom experiments
- Access to clinical systems, large-scale computational resources, 3D printing, machine shop, and more

The Wang lab (med.stanford.edu/wanggroup.html) is in the Radiological Sciences Laboratory (rsl.stanford.edu) in the Department of Radiology. The successful applicant will work in close collaboration within a team of researchers from Stanford Radiology and other departments.

This position will remain open until filled and is available for a minimum of 1 year, with the possibility of extension. Salary will be determined based on the experience of the candidate and the University guidelines for Postdoctoral Fellows (postdocs.stanford.edu).

Required Qualifications

- PhD in Electrical or Biomedical Engineering, Computer Science, Medical Physics, or similar
- Strong mathematical and computational skills, with demonstrated expertise in medical imaging
- Strong understanding of x-ray physics, reconstruction, and experimentation
- Proficient in image processing, manipulation, and analysis tools (Python and/or Matlab)
- Track record of productive research and publications
- Collaborative team spirit; strong interpersonal, communication, and writing skills; and attention to detail
- Demonstrated ability to work independently, be self-motivated, and an eagerness to learn

Interested applicants should submit the following materials to Adam Wang, PhD (adamwang@stanford.edu):

- Cover letter, including your research interests and career goals
- CV
- Contact information for 3 references

Stanford is an equal opportunity employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other characteristic protected by law.