



June 1, 2023

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

Link: <https://postdocs.stanford.edu/prospective/opportunities/open-postdoctoral-position-faculty-mentor-adam-wang>

A position for highly motivated postdoctoral fellows is available immediately in the areas of Artificial Intelligence and CT Imaging. The lab's interests revolve around the following areas:

- Applications of artificial intelligence / machine learning / deep learning to x-ray/CT imaging
- Dual energy / spectral imaging, including photon counting CT
- Novel systems and methods for x-ray and CT 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. The expected base pay range for this position is **\$71,650 - \$76,000**. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the qualifications of the selected candidate, budget availability, and internal equity. Benefits and other information for postdoctoral fellows can be found here: 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 CT 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; attention to detail
- Demonstrated ability to work independently, be self-motivated, and an eagerness to learn

Interested applicants should submit their CV and a brief introduction to Adam Wang, PhD:

adamwang@stanford.edu