



Postdoctoral Associate Zhao Biophotonics lab Carnegie Mellon University

We seek multiple Postdoctoral Associates who embrace the lab's philosophy that the advancement of science is propelled by novel enabling technologies. The new Zhao Biophotonics lab applies chemistry, synthetic biology and other bioengineering approaches to invent new imaging techniques that transform the way researchers interrogate cellular structure, function and diseases. Our goal is to develop new techniques and also to apply them to address previously intractable questions in biology and medicine.

The ideal applicants will be creative, independent and ambitious individuals who further develop and apply novel and innovative technologies. Expertise in imaging, microscopy, fluorescent proteins, protein engineering, RNA biochemistry, computational image analysis, or related areas will be most competitive. A Ph.D. degree in a STEM field is required. The salary is competitive and commensurate with experience.

Apply by email to Dr. Yongxin (Leon) Zhao (yongxinz@andrew.cmu.edu) with:

1. a cover letter that describes your past and current projects, career goals, and your immediate goals for this postdoctoral position;
2. an up to date CV;
3. names, emails and phone numbers of three references.

Representative publications:

1. **Zhao, Y.** et al. 'Nanoscale imaging of clinical specimens using pathology-optimized expansion microscopy.' *Nature Biotechnology*, 2017, 35 (8), 757–764.
2. Hochbaum, D.R. and **Zhao, Y.** et al. 'All-optical electrophysiology in mammalian neurons using engineered microbial rhodopsins', *Nature Methods*, 2014, 11, 825–833.
3. **Zhao, Y.** et al. 'An Expanded Palette of Genetically Encoded Ca²⁺ Indicators'. *Science*, 2011, 333, 1888-1891.

Carnegie Mellon University is an equal opportunity employer and is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions. Carnegie Mellon welcomes applicants who will contribute to this diversity through their research, teaching and service, including women, members of minority groups, protected veterans, individuals with disabilities, and others who would contribute in unique ways.