



Position Available: Postdoctoral Researcher in Biomedical Optics and Instrumentation

The Biomedical Optics and Instrumentation Laboratory (<https://www.brilloptics.org/>) within the Department of Biomedical Engineering at Wayne State University is seeking a postdoctoral researcher. The selected candidate will join a vibrant, interdisciplinary group dedicated to fostering a creative and collaborative scientific environment. The position is available starting in the summer of 2024.

Qualifications:

The ideal candidate will have an extensive background in biophotonics and/or optical engineering. Applicants should have earned a Ph.D. in one of the following fields: optical engineering, biomedical engineering, electrical engineering, experimental physics, or a closely related engineering discipline. We highly value candidates who possess substantial practical experience, particularly in designing and assembling optical setups. This includes, but is not limited to, expertise in photoacoustic microscopy, optical microscopy, spectroscopy, and Raman/Brillouin microscopy. Preference will be given to candidates who not only meet these qualifications but also demonstrate a passion for advancing the frontiers of science through optical engineering and biophotonics.

Application Process:

Interested candidates should submit their CV and a brief cover letter to Dr. Jitao Zhang at zhang4@wayne.edu. Your cover letter should detail your training and research experiences.

About the Laboratory: The laboratory is located in the Integrative Biosciences Center (IBio), a new 200,000 square-foot facility on campus that accommodates multidisciplinary research teams. Our research focuses on the intersection of optical technology innovation and biomedical applications. **About the PI:** Dr. Jitao Zhang, an Assistant Professor at Wayne State University, leads the Biomedical Optics and Instrumentation Laboratory. His research, primarily on Brillouin microscopy, aims to combat metastatic cancer and birth defects. Dr. Zhang has authored over 40 peer-reviewed research articles and holds three patents in Brillouin technology. His recent work was featured in "*The 10 Biggest Science Stories of 2022*" by The Guardian. Research of the lab is supported by a K25 award and R21 grant from the National Institutes of Health, an Institutional Research Grant from the American Cancer Society, and a CAREER award from the National Science Foundation.