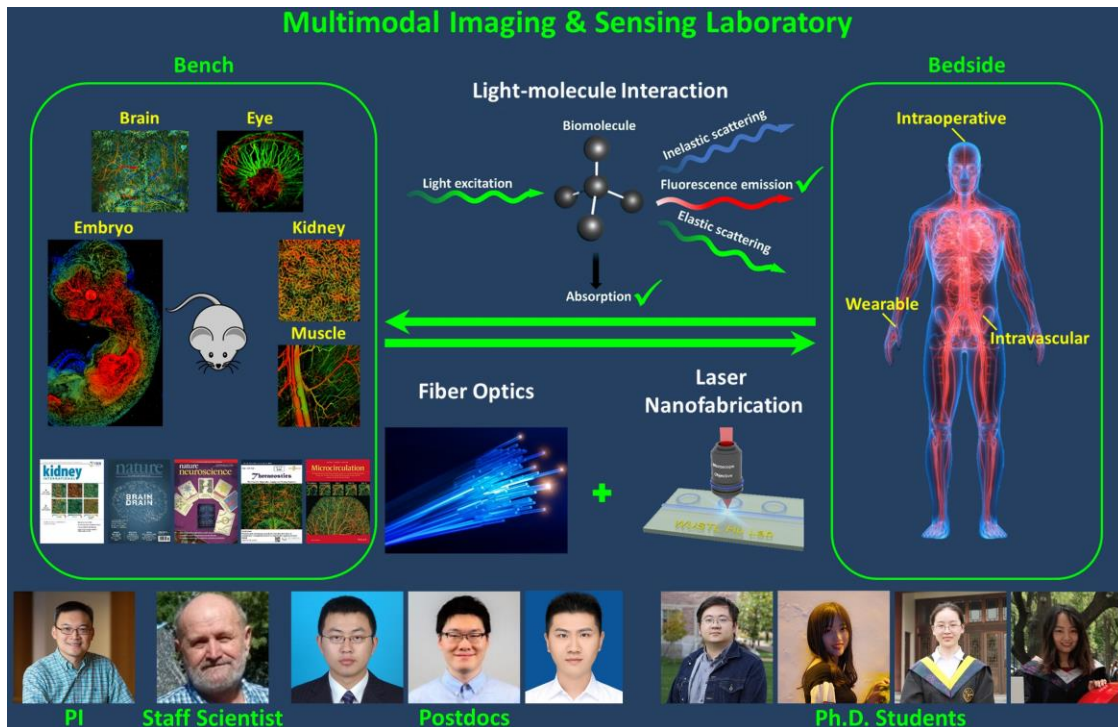




### Ph.D. Student Positions in Optical Imaging and Fiber Optics



The laboratory of Dr. Song Hu in the Department of Biomedical Engineering at Washington University in St. Louis (<https://hulab.wustl.edu/>) is looking for new Ph.D. students to join our vibrant, productive, and collegial research team on biomedical imaging and sensing.

Supported by federal agencies and private foundations (including the NIH, NSF, and CZI), our laboratory focuses on the development of cutting-edge optical and photoacoustic techniques for high-resolution structural, functional, metabolic, and molecular imaging and sensing *in vivo* and their applications in a broad spectrum of animal and human research.

**Two** positions are available for Ph.D. students to lead research projects related to:

- (1) The development of optical and photoacoustic techniques for high-resolution, deep-penetration, functional-metabolic-molecular imaging beyond conventional limits. The ideal candidate(s) is expected to have a solid knowledge base in optics and/or photoacoustics. Experience in imaging instrumentation and/or tomographic image reconstruction is a plus.
- (2) The development of portable/wearable/minature imaging and sensing devices to break through major limitations in spatiotemporal resolution, penetration depth, and/or sensitivity and to facilitate the clinical translation of our enabling techniques. The ideal candidate(s) is expected to have a solid background in fiber optics and/or nanophotonics.

Also, the ideal candidates are expected to have excellent communication skills and the ability to work both independently and with collaborators across engineering and science disciplines.

If you are passionate about advancing biomedicine through the development of innovative imaging and sensing techniques, please contact Dr. Hu ([songhu@wustl.edu](mailto:songhu@wustl.edu)).