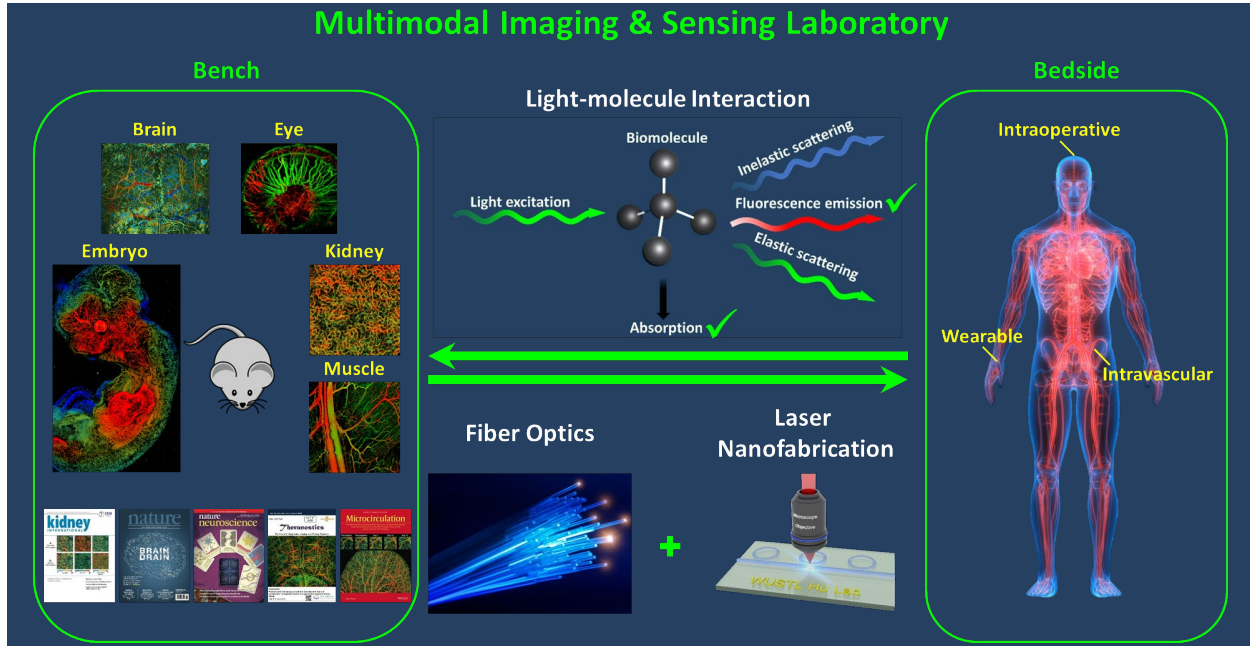




Washington University in St. Louis

JAMES MCKELVEY SCHOOL OF ENGINEERING

Multiple Ph.D. Student Positions in Dr. Song Hu's Lab



Dr. Song Hu's lab 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 team.

Supported by federal agencies and private foundations (including the NIH, NSF, and CZI), our lab 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.

Multiple positions are available for new Ph.D. students to start in Fall 2023, working on

- The development of optical and photoacoustic techniques for high-resolution, deep-penetration, functional-metabolic-molecular imaging beyond conventional limits. Ideal candidates are expected to have a solid knowledge base in optics, photoacoustics, or ultrasound. Experience in imaging instrumentation or tomographic reconstruction is a plus.
- The development of portable/wearable/miniature 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. Ideal candidates are expected to have a solid background in fiber optics or nanophotonics.

Ph.D. students will have abundant opportunities to interact and collaborate with researchers across the engineering and medical schools at Washington University and beyond. Also, they will have the opportunity to supervise undergraduate students and summer interns.

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