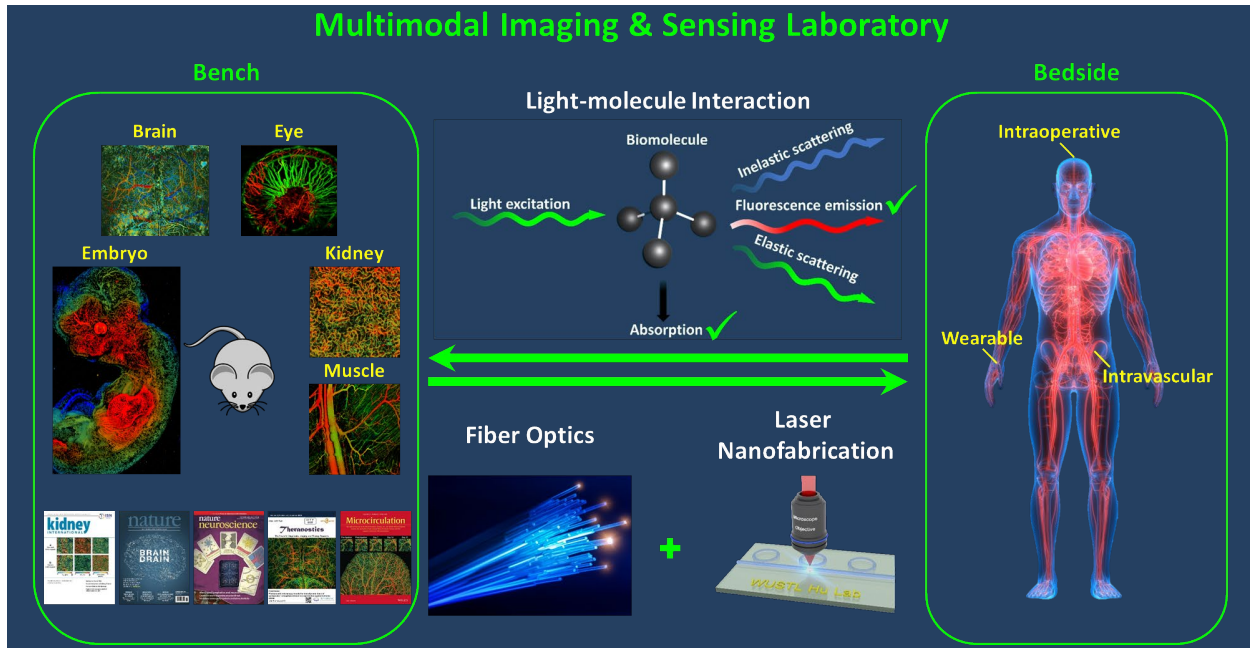




Washington University in St. Louis

JAMES MCKELVEY SCHOOL OF ENGINEERING

Research Technician Position 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 a research technician 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.

The candidate will be primarily responsible for:

- Performing rodent imaging experiments, including animal preparation and image acquisition.
- Analyzing experimental data, including image processing, parameter quantification, and statistical analysis.
- Writing experimental reports.
- Engaging in the development and maintenance of optical and photoacoustic imaging systems.
- Suggesting technical or procedural improvements in imaging methods.
- Preparing documentation of existing and newly developed imaging methods.
- Assisting in manuscript preparation to document research findings.
- Assisting in generating preliminary results for grant applications.
- Supporting the lab to fulfill the research objectives of funded projects.

Required Qualification

B.S. or M.S. in Engineering, Applied Physics, Neuroscience, Biology, Medicine, or related fields.

Preferred Qualifications

- Experience in animal handling.



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- Experience in optical/photoacoustic/ultrasound imaging.
- Proficiency in MATLAB or similar.
- Proficiency in LabVIEW.
- Ability to analyze and interpret statistical data.

Special Instructions to Applicants

The candidate must be willing and able to handle animals (*e.g.*, mice and rats) and perform animal surgeries (*e.g.*, craniotomy).

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