

Research Technician (Translational Optical Imaging)

Division of Pulmonary and Critical Care Medicine/Department of Pathology

Employer: Massachusetts General Hospital

The Hariri Optical Imaging Laboratory is a multidisciplinary research group at Massachusetts General Hospital. The focus of the laboratory is on the design, development and clinical translation of optical coherence tomography (OCT) for the detection, diagnosis and assessment of pulmonary diseases, including lung fibrosis, lung cancer, and inhalational lung diseases.

A highly motivated, independent, and organized individual with an interest in optical imaging and medicine is sought for a Research Technician position. The primary role of the successful candidate will be to assist in research projects that seek to translate optical imaging devices for the detection, diagnosis, and assessment of pulmonary disease. Studies will range from device development to pilot clinical studies and multicenter clinical studies, including participating in patient imaging studies in the operating rooms and bronchoscopy suites. These responsibilities may be expanded based on the interests and career goals of the candidate. This is an ideal position for individuals looking to gain research experience prior to applying to graduate or medical school.

Duties and responsibilities include, but are not limited to:

- Assist with multiple research projects including the development and implementation of optical imaging devices and related components, conducting preclinical and clinical imaging studies, ex vivo tissue imaging experiments, and processing, analyzing and storing data.
- Participate in data collection in patient imaging studies in the operating rooms and bronchoscopy suites, including interacting with collaborating surgeons and pulmonologists
- Manage clinical research protocols/studies including obtaining and maintaining regulatory approvals, coordinating study subject visits and the collection of data, obtaining study consent, completion of case report forms, and all other study related materials and correspondence.
- Assist with other laboratory activities, such as maintaining a computer server and ordering supplies and equipment.

Requirements:

- Self-motivated candidates with excellent communication and organizational skills.
- Ability to prioritize and organize workload.
- Ability to work well in a multidisciplinary collaborative hospital research environment, including with post-doctoral researchers, physicians, engineers, scientists, etc.
- A Bachelor of Science (Biomedical Engineering, Biology, or related discipline, preferred but not required).
- Minimum commitment of 2 years.
- A strong interest in medical research.
- Basic computing skills.
- Prior laboratory experience (preferred but not required).
- Experience with Matlab (preferred but not required).

All interested candidates are encouraged to submit their detailed Resume/CV accompanied by a cover letter addressed to Dr. Lida Hariri at hariripulmopticsmgh@gmail.com. Please reference the position you are applying for in the subject line.