



Functional Optical Imaging Lab (FOIL) in the Department of Biomedical Engineering at Northwestern University develops optical coherence tomography and super-resolution imaging technologies for ophthalmology, vision science, neuroscience, and genomics. We are looking for one technician to join our extremely friendly, vibrant, productive, and collaborative group to support single-molecule imaging in cell cultures and harvest tissues, and small animal imaging and surgeries.

Responsibilities:

(1) To establish and maintain cell lines; (2) to perform small animal surgery and tissue harvesting; (3) to conduct fluorescence labeling of cultured cells and tissue samples for single-molecule localization microscopy; (4) to assist with compliance of research activities with institutional, state, and federal regulatory policies; (5) to assist with developing or amending small animal and human study protocols; (6) to provide technical and administrative support for research projects as needed.

Education:

A BS degree in biology or biomedical science is required. An advanced degree (MS or Ph.D.) is preferred.

Qualifications:

(1) Minimal two years of hands-on experience on cell culture and fluorescence labeling of DNA, RNA, and proteins; (2) experiences on sample preparation and fluorescence microscopy/confocal microscopy are required; (3) experiences on small animal handling and basic surgeries are desired but not required; (4) experience on scientific writing is highly desired;

The successful candidate will be based in the Department of Biomedical Engineering on the Evanston campus and will work closely with collaborators from Northwestern and other institutions across the US. FOIL will provide a competitive salary and all the necessary resources for lab members' career developments. Please submit a CV, a cover letter, and names and contact information of three references to H. F. Zhang (hfzhang@northwestern.edu). For more information about the lab, please visit the FOIL website <http://foil.northwestern.edu>.