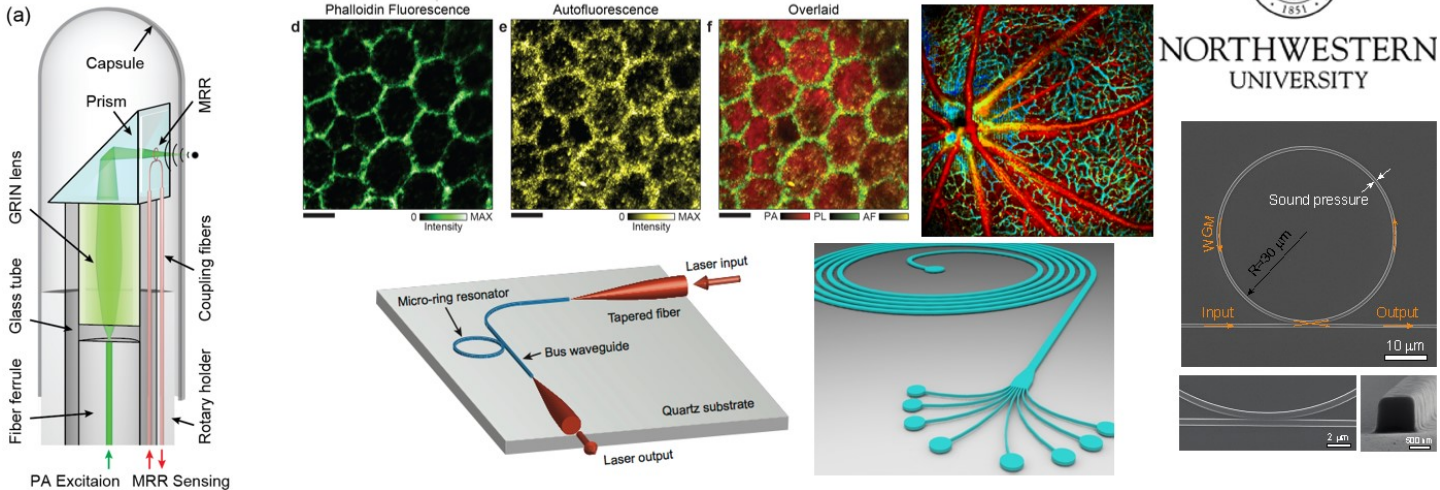


Northwestern Functional Optical Imaging Laboratory



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Functional Optical Imaging lab (FOIL) in the Department of Biomedical Engineering at Northwestern University is looking for two new postdoctoral fellows to join our extremely friendly, vibrant, productive, and collaborative group to develop novel optical coherence tomography and super-resolution imaging technologies.

1. Optical coherence tomography: to design, develop, and validate new technologies for visible-light optical coherence tomography for small animals and humans. We especially encourage applicants with expertise on optical instrumentation using Zemax and Solidworks, or expertise on signal and image processing for retinal optical coherence tomography with a strong background in machine learning and Python. Experiences with small animal imaging and human retinal imaging are desired but not required.
2. Super-resolution imaging: to design, develop, and validate new technologies for spectroscopic single-molecule localization microscopy. We especially encourage applicants with expertise on optical instrumentation using Zemax and Solidworks, or expertise on signal and image processing for STORM/PALM with a strong background in Python or JAVA programming, or expertise on developing new fluorescence labeling technologies for STORM. Experiences with cell culture and fluorescence labeling are required.

The successful candidates will be based 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 to prepare members for their future careers in either academics or industry. 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>. For more information about Northwestern University, the City of Evanston, and the greater Chicago metropolitan area, please visit <http://www.tgs.northwestern.edu>.