POSTDOCTORAL RESEARCHER IN OPHTHALMIC IMAGING AT NYU LANGONE EYE CENTER

The Ophthalmic Imaging Research Laboratory at the New York University is looking for a Postdoctoral Associate to join our multidisciplinary team of clinicians, engineers, software specialists, biostatisticians and trainees. The position will primarily be focused on development of advanced optical imaging approaches and novel applications of multimodal adaptive optics optical coherence tomography (OCT) and adaptive optics scanning laser ophthalmoscopy (SLO) including – but not limited to – their use in retinal diseases and glaucoma.

We are searching for a creative and highly motivated researcher with an interest in clinical and pre-clinical applications of in vivo ophthalmic imaging techniques. Preference will be given to candidates with demonstrated expertise in one or more of the following areas:
- Optical imaging system design
- Adaptive optics retinal imaging
- Optical coherence tomography
- Image processing

The ideal candidate will hold a PhD in biomedical engineering/bioengineering, electrical engineering, physics, optics or a closely related field. S/he should be comfortable working directly with human subjects or animal models, have strong publication record and oral communication skills, experience with software development environment (C++, Visual Studio, X-Code, and/or MatLab), and have the ability to work independently as well as on a collaborative and supportive interdisciplinary team.

Specific responsibilities include:
- Development and maintenance of advance imaging systems
- Acquiring images in human subjects and/or animal models
- Analyzing experimental results
- Image processing on MatLab/Image-J (or Fiji)
- Presenting findings at scientific meetings
- Writing and submitting manuscripts to peer-reviewed journals
- Contributing to grant proposals
- Mentoring students or visiting fellows

The Ophthalmic Imaging Research Laboratory at New York University is a vibrant, multidisciplinary team that is mostly funded by federal grants. Our research is primarily focused on using advanced imaging devices and tools in order to detect and monitor glaucoma – a leading cause of blindness – and investigate new theories about the cause and pathology of the disease.
The start date is as soon as possible, with anticipated duration of at least 2 years. Applicants are encouraged to check out the NYU School of Medicine Postdoctoral Affairs webpage (http://www.med.nyu.edu/postdoc/), which includes career development planning and other resources applicable for this position.

Interested applicants should submit: (1) a CV, (2) a brief (1 page or less) cover letter explaining research experience, interests and goals and (3) the names and contact information of three references familiar with the applicant’s research and academic work to Gadi Wollstein, MD at Gadi.Wollstein@nyumc.org.