



Research Assistant Position

Laboratory of Ocular Biomechanics, University of Pittsburgh

Available immediately.

The Laboratory of Ocular Biomechanics (LOB) at the University of Pittsburgh is seeking candidates for a Research Assistant position. The project goal is to prevent vision loss in biomechanics-related diseases, such as glaucoma, and to identify optimal patient-specific course of treatment.

Specific duties include:

- Sample preparation and histology processing, and microscopy
- Organize laboratory data and supplies
- Assist with experiments on research subjects and animals
- Write, update and file laboratory protocols
- Perform literature searches
- Write up and present research findings for internal and external meetings, and contribute to preparation of journal manuscripts

The incumbent will work within a collaborative team of students, engineers, clinicians and basic scientists, with high productivity and a strong record of funding. There will be opportunity for the research assistant to learn cutting edge tissue processing and analysis tools, as well as becoming familiar with optical coherence tomography (OCT). OCT is rapidly becoming standard tool in ophthalmology and other areas of medicine. This may be of interest to pre-med students.

Education Required: Baccalaureate. (Research III as per UPMCs classification)

Overall Experience Level Required: The position is appropriate to those finishing a B.S. The position requires a B.S. degree or equivalent in Biology, Biomedical Engineering, Physiology or related disciplines. Highly motivated, self-driven, organized and good time-management skills. Highly desired are candidates with experience in tissue processing and histology, microscopy, image analysis and who have experience in the research environment within the Pittsburgh area.

Interested applicants should submit: i) a detailed CV, ii) an email/letter describing why the candidate is interested in the position, and detailing how it satisfies the requirements described above. Please send these to Ian Sigal, PhD ian@OcularBiomechanics.com. More details about the Laboratory of Ocular Biomechanics at www.OcularBiomechanics.org, The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer.