Postdoctoral Position, Adaptive Optics Retinal Imaging

A postdoctoral position is available in Jason Porter's laboratory at the University of Houston's College of Optometry (UHCO), funded by an NIH grant. The successful applicant will be involved primarily in redesigning, aligning and operating a high-resolution adaptive optics scanning laser ophthalmoscope for imaging the living eye. The successful applicant will also work on projects that explore improved methods for adaptive optics correction and/or the underlying mechanisms responsible for retinal diseases using *in vivo* adaptive optics imaging along with other advanced optical and functional imaging techniques. This position will offer opportunities for advancing the applicant's teaching skills, professional development and career growth.

The UHCO (http://www.opt.uh.edu) consists of an internationally recognized group of vision researchers studying normal and abnormal visual processes and disorders of the eye, visual pathways and perception, psychophysical and ophthalmic optics, color vision, retinal pathology, molecular and cellular biology, and the anatomy and physiology of vision. This exciting research program is supported by Core Research and Training Grants from the National Eye Institute. The University of Houston and the city of Houston offer an excellent blend of cultural and entertainment activities, including acclaimed museums, concert halls, theaters, restaurants, music venues, and professional and collegiate sports. In addition, Jason Porter's laboratory is an affiliate of the University of California's Center for Adaptive Optics, an organization comprised of astronomers, vision scientists, engineers and educators who seek to advance adaptive optics technology and imaging capabilities, and to improve the technological, teaching and professional development skills of its members.

Candidates are ideally expected to have a Ph.D. in optics, biomedical engineering, or other related field. Strong communication and problem solving skills are highly desirable, as is experience with Matlab, Python and optical design programs (such as ZEMAX or CODE V). It is also important for the applicant to be able to work collaboratively with a team of individuals who possess diverse academic backgrounds. Experience with adaptive optics or optical design and instrumentation will greatly enhance the application. Knowledge of visual optics is not required, though beneficial.

To apply, please submit (1) a cover letter stating your research experience and interests and (2) a Curriculum Vitae which includes the names and contact information of three references to:

https://jobs.uh.edu/postings/14515
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Review of applications will begin immediately and continue until the position is filled.

The University of Houston is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply.