Postdoctoral Position in Retinal Vascular Inflammation

A postdoctoral position is available immediately in the laboratory of Kaustabh Ghosh, Ph.D. in the Department of Bioengineering at the University of California, Riverside (UCR). With funding from the NIH and BrightFocus Foundation and an interdisciplinary approach, the Ghosh Research Group is committed to developing new treatments for diabetic retinopathy and age-related macular degeneration.

Job Description: This position will focus on diabetic retinopathy (DR), a potentially-blinding inflammatory eye disease that affects ~40% of all people with diabetes. This project will build on the recent discovery by Ghosh Research Group that diabetes leads to stiffening of retinal vessels that, in turn, contributes actively to retinal inflammation associated with early DR. To drive this innovative research forward, we are looking for a highly motivated individual to perform interdisciplinary research involving mouse and cell culture models of retinal vascular inflammation, and principles and techniques related to vascular biology, inflammation, mechanobiology, biochemistry, and molecular biology.

Individuals who are interested in pursuing high-risk, high-reward research are particularly encouraged to apply. The successful candidate will be expected to work independently, yet collaborate with researchers with diverse expertise.

Requirements: Candidates must be a recent (or soon-to-be) Ph.D. graduate or a current postdoctoral fellow in ophthalmology, surgery or biomedical sciences. The successful applicant will have a strong research background in animal models of diabetes, and molecular and cellular biology, with an excellent publication record and strong communication skills. Research experience in retinal diseases, vascular biology, and inflammation is also highly desirable. Previous experience with handling mice and maintaining mouse colony, surgical procedures, and mammalian cell culture is required. Other necessary skills include fluorescence microscopy, flow cytometry, PCR, immunoblotting, and immunohistochemistry.

Salary will be based on University guidelines for postdoctoral fellows, and will be commensurate with experience.

Environment: UCR is one of 10 universities within the prestigious University of California system that is renowned for pioneering research. State-of-the-art facilities for proteomics, genomics, imaging, flow cytometry, and micromechanical measurements are all available on campus. Further, the close proximity of UC Los Angeles, UC San Diego, UC Irvine, Beckman Research Institute at the City of Hope, and Loma Linda Medical School, which are all located within driving distance from UCR, offer numerous opportunities for close collaborations with renowned scientists in diabetes, inflammation, and vascular biology. The campus is also within easy driving distance of dozens of major cultural and recreational sites, as well as coastal, mountain, and desert destinations.

How to Apply: Interested applicants should send (via email) a brief (one-page) statement of research interests as well as their detailed CV and contact information for three references to:

Kaustabh Ghosh, Ph.D.
Assistant Professor of Bioengineering and Biomedical Sciences
University of California, Riverside
900 University Ave., MSE 207
Riverside, CA 92521
kghosh@engr.ucr.edu
951-827-4203

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