Research Fellow position available at Boston Children’s Hospital and Harvard Medical School

Available Position: Postdoctoral Research Fellow in eye research

Institution: Boston Children’s Hospital and Harvard Medical School, Boston, MA, USA

Position Description: An NIH-funded Postdoctoral Research Fellow position is available immediately in Dr. Jing Chen’s lab in the Department of Ophthalmology at Boston Children’s Hospital and Harvard Medical School to study the molecular basis of eye diseases. Successful candidate will perform research in animal models of eye diseases using both genetic and pharmacological approaches to study the underlying molecular mechanisms and identify potential therapeutics for vascular and neuronal degenerative eye diseases including retinopathy of prematurity, and age-related macular degeneration (AMD). Current projects in the lab include: 1) Wnt signaling-mediated blood-retinal barrier control and vascular leakage; 2) nuclear receptor-mediated retinal pigment epithelium oxidative damage and degeneration in dry AMD; 3) a lipid-sensing nuclear receptor mediates chronic ocular inflammation in retinal aging and AMD. This position offers the opportunity to be trained with various techniques including but not limited to in vivo rodent retinal fundus and OCT imaging, confocal imaging, and other skills needed for eye research, and access to cutting edge techniques such as single cell RNA sequencing. In addition, there will be many opportunities to enrich the training experience both within Boston Children’s Hospital and at surrounding Harvard-affiliated research institutions, to present research at local and national conferences, and to gain valuable collaborative network in ophthalmology and other related fields of medicine. Previous research fellow mentees have successfully gone on to independent positions in academic and/or industrial institutions.

Job responsibility: the research fellow will assist the PI in designing experiments, performing molecular, cellular and imaging analysis in the projects, presenting findings in local seminars and national professional meetings, writing manuscripts for peer review, and assisting with research grant writing and reporting.

Detailed information of the lab’s research can be found at:

http://www.childrenshospital.org/research/researchers/c/jing-chen
https://www.childrenshospital.org/research/labs/chen-lab

Requirement:

- Ph.D. in molecular biology, cell biology, immunology, visual science or related fields;
- Track record of productive publishing in scientific journals;
- Expertise in one or more of the following research areas preferred: molecular and cellular biology, immunology, vascular biology, lipid biology, ophthalmology, aging, oxidative stress, and transcription factor studies.
- Ability to work independently and also in a team environment.

Interested candidate please send a cover letter detailing your research interest and career goals, and a CV with names of three references to: Jing Chen, PhD, Associate Professor of Ophthalmology, Boston Children’s Hospital and Harvard Medical School, chenlab.boston@gmail.com.