



Hyderabad Eye Research Foundation L V Prasad Eye Institute, Hyderabad

Research Positions Available

Hyderabad Eye Research Foundation (HERF) which is the research arm of the L V Prasad Eye Institute, Hyderabad (LVPEI) is a DBT Centre of Excellence for Translational Research on Eye Diseases. We have a basic research faculty of 12 working in all areas of eye biology and vision, 40 clinical faculty and about 20 graduate students and postdoctoral fellows. Our research is funded by DBT/DST/CSIR/ICMR as well as international agencies such as the Wellcome Trust UK, Champalimaud Foundation Portugal, NIH USA and several bi-national collaborative programmes. We are recognized by the University of Hyderabad, Manipal University and BITS-Pilani for the Ph.D. degree programme.

We are looking to recruit research personnel in the areas of interest given below. Positions are available for immediate recruitment, and will be filled following interviews.

Sl. no.	Position	Qualification	Experience
1	Post Doctoral Fellows	Ph.D.	Fresh or 1–2 years experience
2	Junior Research Fellows*	M.Sc.	Fresh or 1 year experience preferred
3	Project Fellows**	M.Sc.	Fresh or 1 year experience preferred
4	Technician	B.Sc. + MLT/DMLT	Fresh or 1 year experience

*Those having CSIR/UGC/ICMR-NET–JRF or lectureship qualification are preferred for these positions. NET/GATE qualified candidates would be paid according to DST/DBT norms.

**The project fellows would be paid as per the existing norms of our institute which is Rs 16,000 consolidated for a period of 2 years.

The areas of research where these positions are:

1. Genomics, Transcriptomics and Proteomics

- MicroRNA profiling and characterization in age-related eye diseases and their responses to therapy.
- Genetic analysis of retinal and corneal disorders.
- Role of vitreo-macular adhesions in AMD.

2. Cell Biology and Stem Cell Biology

- Creating disease-specific iPSCs and zebra fish mutant models for understanding retinal dystrophies.
- Deciphering the immunological and wound healing markers for better homeostasis and survival after limbal stem cell transplantation.
- Finding suitable sources of stem cells for deriving corneal endothelial cells for transplantation.
- Functional evaluation of mutations in corneal endothelial dystrophy.
- Application of mesenchymal stem cells for corneal epithelial regeneration and immunomodulation.

3. Microbiology

- Characterization of clinical isolates of fungi (*Candida* sps./*Fusarium* sps.)
- In vitro* and *in vivo* pathogenesis studies of fungal isolates.
- Molecular Diagnostics of Ocular Infections.
- Determination of innate immune responses in microbial keratitis.
- Gut/ocular microbiomes and relevance to eye infections.

For further details on the research work, list of publications and other relevant matters kindly visit the website www.lvpei.org, and click on 'research'. Please send your detailed CV and research interest to **Elena D. Roopchandra**, Assistant Director-BHERC, L V Prasad Eye Institute, Road Number 2, Banjara Hills, Hyderabad 500 034; e-mail ID: elena@lvpei.org on or before **5 February 2016**.