



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, VISION CRC of Australia, and several bi-national collaborative programmes. We are recognized by the University of Hyderabad 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	Junior Research Fellows	M.Sc.	Fresh or 1 year experience
2	Project Fellows	M.Sc.	Fresh or 1 year experience
3	Technician	B.Sc. + MLT/DMLT	Fresh or 1 year experience

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 Dystrophies.
- Role of vitreo-macular adhesions in AMD.
- Identification of biomarkers for risk prediction and disease progression in diabetic retinopathy.

2. Cell Biology and Stem Cell Biology

- Finding suitable sources of stem cells for deriving corneal endothelial cells for transplantation.
- Identifying the mechanism of homing and immunomodulation of mesenchymal stem cells from corneal stroma, dental pulp, hair follicle, and umbilical cord.
- Autologous *Ex-vivo* Cultivated Limbal Stem Cell Transplantation for Treatment of Superficial Corneal Stromal Scars: A Pilot Study.
- Generating retinal and corneal cells from hESCs and iPSCs; *In situ* mutation correction by genome editing.
- Functional evaluation of mutations in corneal endothelial dystrophy.

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: elena@lvpei.org on or before **5 January 2015**.