

Postdoctoral fellowship in Ocular Immunology



LV Prasad Eye Institute

The Opportunity

- Join LV Prasad Eye Institute, India's premier eye and vision research facility
- Be a part of prestigious Wellcome Trust/DBT India Alliance funded project
- Explore the links between infection and autoimmunity in the unique disease setting of human ocular tuberculosis

The Position

Postdoctoral Fellowships for a Wellcome Trust/ DBT India Alliance funded project titled, "From infection to autoimmunity in an immune-privileged organ: a case study in tuberculosis of the eye". This work is an extension of recently published research, that can be accessed at: <https://iovs.arvojournals.org/article.aspx?articleid=2661590> Immunology research in human ocular infections is an evolving field, and the fellows will be encouraged to develop innovative research ideas to address the unique challenges of the ocular microenvironment. **The duties will include:**

- Carrying out routine immunological procedures such as T-cell isolation, immunostaining and flow cytometry analysis.
- Human CD4 T cell differentiation and co-culture.
- T cells activation with specific antigens.
- RNA and DNA isolation from antigen-specific CD4 T cells.
- Analysis of RNA sequencing data
- Utilisation of data for the development of new lines of research.

Location: Brien Holden Eye Research Centre, LV Prasad Eye Institute (MTC Campus), Bhubaneswar, Odisha

Salary: as per latest DBT recommendations

Tenure: Minimum duration of 2 years; can be extended up to 5 years depending on requirements.

Essential qualifications

- A doctorate (or will shortly satisfy the requirements of a PhD) preferably in **immunology**. Candidates with PhD in molecular biology, fully conversant in flow cytometry and related immunology techniques, may also be considered.

Desired qualifications

- Fluent written and oral communication skills.
- Sound record of publication in peer reviewed journals, preferably original research.
- Keen interest in translational research, and understanding of human disease.

About LV Prasad Eye Institute, Bhubaneswar

LVPEI Bhubaneswar is the apex center for eye care and research in the state of Odisha. The campus has published >300 peer-reviewed publications and received twenty competitive research grants, including two Wellcome Trust DBT India Alliance fellowships. It runs several collaborations with researchers in India and abroad. The immunology facility is well equipped with flow cytometer (CytoFLEX, Beckman Coulter), CO2 incubator (Eppendorf), Bio-Hood and Centrifuge (Eppendorf).

Apply Online

To apply, please provide a CV and cover letter outlining your suitability and motivation for the position to: basu@lvpei.org

For any enquiries, you may also call +91-9937250604

Applications
Closes

25
October

2019