

Advertisement for Project Positions

Indian Institute of Science Education and Research (IISER) Bhopal invites applications from motivated and talented candidates for positions under the sponsored research project:

Project Title:

Enhancing TB Treatment with Immunomodulatory Drug Repurposing: A Novel Strategy to Combat Drug Resistance and Shorten Treatment Duration

Principal Investigator: Dr. Debapriya Bhattacharya

Available Positions:

1. **Project Research Scientist I** – 1 Position
2. **Project Technical Support I** – 1 Position

Project Duration:

Initially for **1 year**, extendable based on performance and project requirements. The project is sanctioned till **March 2029**.

Research Focus:

This project aims to develop innovative therapeutic strategies against **Tuberculosis (TB)** by repurposing immunomodulatory drugs to combat drug resistance and reduce treatment duration. Candidates will gain hands-on experience in cutting-edge **Immunology research**, including:

- Host-pathogen interaction studies
- Immune response profiling
- Molecular and cellular immunology techniques
- Transcriptomics studies
- Mouse model experiments for TB infection and therapeutic evaluation
- Drug efficacy testing and translational biomedical research

Eligibility:

For **Project Research Scientist I** candidates with strong academic background, PhD in Life Sciences, Biotechnology, Microbiology, Immunology, Biochemistry or related fields with at least 1 high impact original publication (Research Article) are encouraged to apply.

Experience in animal handling, mouse infection models, cell culture, Immunological techniques (like FACS, Bio-Plex, T cell co-culture, confocal etc), molecular biology (qRT-PCR, transcriptomics) and Bio energetics, and with basic knowledge of silico work will be preferred.

For **Project Technical Support I** candidates with strong academic background, BSc in Life Sciences, Microbiology, Immunology or allied sciences with working experiences in FACS, Cell culture, Bioplex, T cell co-culture etc.

Preference will be given to candidates who also continuing or did the masters in Biological Sciences.

Salary:

Project Research Scientist I: ₹56000/- PM + HRA

Project Technical Support I: ₹18000/- PM + HRA

Duration of Application: Applications for the project posts will remain open for **14 days** from the date of advertisement.

How to Apply: Interested candidates should send their applications with copy of Publications to the email address of the Principal Investigator: dbhattacharya@iiserb.ac.in

Mode of Interview: The interview will be conducted in **online mode**.

DBhattacharya
29/04/2026