

Advertisement (DBT/P0468/2025)

Applications are invited for a “**Research Associate- I**” position in the Department of Biotechnology, Govt. of India, funded project in the Department of Biological Sciences (DBS), IISER Kolkata, Mohanpur, Nadia, West Bengal 741246. This position is purely temporary and co-terminus with the project duration.

Project Title: Understanding the role of the Type II MLA system in OMV biogenesis towards developing an effective vaccine against *Campylobacter jejuni* in poultry

Name of the Position: Research Associate- I

Number of positions available: 01 (one)

Duration: Initial appointment for 1 year, extendable for a maximum of 1 year based on performance and availability of funds.

Essential qualification: Doctoral Degree in Biological Sciences or relevant area from a recognized University.

Desirable criteria: Candidates with prior research experience in outer membrane vesicles (OMVs) of Gram-negative pathogens will be preferred. Experience in molecular cloning, recombinant DNA techniques, microbiological and cell culture techniques, and immunological assays is desirable. Candidates with knowledge of bacterial pathogenesis, host-pathogen interactions, animal infection or vaccination models, and experience with microscopy and flow cytometry will have an added advantage. Evidence of publications in peer-reviewed journals and good scientific writing skills are also desirable.

Upper age limit: 40 years (Age relaxation for reserved and other categories will be as per Government of India rules)

Work assignment: The selected candidate will be responsible for investigating the role of the Type II MLA system in outer membrane vesicle (OMV) biogenesis in *Campylobacter jejuni*. The work will involve bacterial culture, isolation, and characterization of OMVs, as well as functional studies to elucidate their roles in bacterial physiology and pathogenesis. The candidate will also participate in the development and evaluation of OMV-based vaccine candidates in poultry, including immunological assays, microbiological and molecular analyses, data interpretation, manuscript preparation, and project reporting. The candidate is also expected to assist in the day-to-day management of the laboratory, grant writing, and mentor junior researchers and students associated with the project.

Pay scale: Rs. 58,000/- + 27% HRA per month (as per rule)

How to apply: Eligible candidates should send a soft copy of their application, including a cover letter, a detailed CV, and work experience, if any, in a **single PDF** to dbs.hpilab@gmail.com

The last date for receipt of the application: 25 July 2026

Date of Interview: The shortlisted candidates will be notified in due course.

Start date of the position: Second week of August 2026