Advertisement for the Position of Junior Research Fellow (JRF)

Department of Biological Sciences (DBS), IISER Kolkata

Applications are invited for one position of Junior Research Fellow (JRF) in the Department of Biological Sciences (DBS), Indian Institute of Science Education and Research Kolkata (IISER Kolkata).

Position Details

Junior Research Fellow (JRF): One position

Research Area: The project will investigate the role of a DNA adaptor in controlling dengue virus infection, using an animal model and cell culture-based validation approaches. It will also examine genomic changes in lymphocyte populations associated with dengue infection.

Funding Source: Project funding

Remuneration: Rs. 37,000 per month (consolidated; no HRA)

Principal Investigator: Dr. Sumit Sen Santara, Department of Biological Sciences, IISER Kolkata

Tenure: One year, extendable based on research progress and performance, subject to availability of project funds.

Essential Eligibility Criteria

1. MSc /M.Tech./equivalent degree in Biotechnology, Computational Biology, Life Sciences, Bioinformatics or a related discipline, awarded in 2024 or later.

2. A valid GATE score or qualification under CSIR-UGC/UGC-NET Category 2 is mandatory.

3. Applicants with an interest in the research area are encouraged to apply. Prior research experience is not mandatory.

Desirable Qualifications and Experience (Optional)

- Hands-on experience with animal handling and in vivo infection studies, particularly measurement of viral load/viral response and associated immunological readouts. Relevant animal ethics and biosafety training would be an advantage.
- Experience analyzing RNA-seq and/or scRNA-seq datasets—including QC, alignment, quantification, differential gene expression, and pathway enrichment—using bioinformatics pipelines, R/Python for data analysis and visualization, and ideally Linux/HPC environments.
- Candidates with research experience, careful experimental practice, and a strong interest in host–virus interactions are encouraged to apply.

How to Apply

Interested candidates should email a detailed CV, a brief statement describing their research experience and relevant skills, and copies/details of their GATE score or NET Category 2 qualification to Dr. Sumit Sen Santara (sumit.santara@iiserkol.ac.in), Department of Biological Sciences, IISER Kolkata. The application must be received by 22 November 2026.

Shortlisted candidates will be informed by email by 23 November 2026.

Interview Details

Date: 25 November 2026

Time: 10:00 AM

Venue: AAC Building, Ground Floor, IISER Kolkata, Mohanpur 741246

Mode of Interview: Offline/in person

Candidates attending the interview should bring the following documents:

- Two sealed recommendation letters from teachers and/or academic mentors.
- Self-attested copies of degree certificates and mark sheets, along with the originals.

- Self-attested copies of photo ID
- Proof of a valid GATE score or NET Category 2 qualification.
- Any other relevant documents supporting research experience and qualifications.

Conditions

No TA/DA will be provided for attending the interview. The decision of the selection committee will be final. The selected candidate may be terminated with appropriate notice before completion of the tenure if performance is found to be unsatisfactory. Minimum qualification and/or experience requirements may be relaxed for candidates with outstanding credentials, as per applicable rules.

Contact

Dr. Sumit Sen Santara

Assistant Professor

Department of Biological Sciences, IISER Kolkata

Mohanpur 741246

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