

Advertisement for the Position of Junior Research Fellow (JRF)

Department of Biological Sciences (DBS), IISER Kolkata

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

Junior Research Fellow (JRF): One position

Research Area: Genomics and computational analysis of biological datasets, with a focus on RNA sequencing and single-cell RNA sequencing

Funding Source: Project funding

Remuneration: Rs. 37000/month

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

Basic Eligibility Criteria: MSc/M.Tech./equivalent degree in Bioinformatics, Biotechnology, Computational Biology, Life Sciences, or a related discipline. Candidates with relevant research experience in genomic data analysis may also be considered.

7. Desirable Qualification:

- Prior research/project experience in genomic data analysis, particularly RNA sequencing (RNA-seq) data analysis.
- Familiarity with single-cell RNA sequencing (scRNA-seq) data processing and analysis would be highly desirable.
- Working knowledge of bioinformatics tools and computational pipelines for sequence data analysis, including basic quality control, read processing, alignment/mapping, quantification, and downstream analysis.
- Familiarity with R and/or Python for biological data analysis and visualization.
- Basic understanding of differential gene expression analysis, pathway enrichment analysis, and interpretation of transcriptomic datasets.
- Experience with Linux/Unix command-line environments, shell scripting, or high-performance computing would be an advantage.
- Candidates with relevant research experience and a strong interest in genomics, transcriptomics, and single-cell biology are encouraged to apply.

8. How to Apply: Interested candidates should submit a detailed CV along with a brief statement describing their research experience and relevant computational/genomics skills to Dr. Sumit Sen Santara (sumit.santara@iiserkol.ac.in), Department of Biological Sciences, IISER Kolkata by 11th October 2026

Candidates are requested to report with the following documents:

- Two sealed recommendation letters from Teachers and/or Academic Mentors.
- Self-attested copies of Degree Certificates/Mark Sheets with Originals.
- Any other relevant documents supporting research experience and qualifications.

Date/Time: October 12, 2026, 10:00 AM

Venue: DCS Meeting Room, Research Complex (3rd Floor), IISER Kolkata, Mohanpur 741246

Mode of Interview: offline/in person

Conditions: No TA/DA will be provided to the candidate for 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. The requirements of minimum qualification and/or experience may be relaxed in the case of candidates with outstanding credentials, as per applicable rules.

Contact:

Dr. Sumit Sen Santara
Assistant Professor
Department of Biological Sciences
IISER Kolkata, Mohanpur 741246

E-mail: sumit.santara@iiserkol.ac.in