

Interview on 12.010.2026 for the positions of one Junior Research Fellow (JRF) in the Department of Chemical Sciences at IISER Kolkata

Applications are invited for the positions of Junior Research Fellow (JRF) in the Department of Chemical Sciences (DCS), IISER Kolkata.

Junior Research Fellow (JRF): One position

1. Research Area: Theoretical and Computational Biophysical Chemistry (Focus: Protein-Nucleic acid Interaction)

2. Funding source: DBT

3. Principal Investigator: Dr. Susmita Roy

4. Remuneration: Rs. 37000

5. Tenure: One year (extendable up to 2 years based on the research progress and performance)

6. Basic Eligibility Criteria: MSc in with proven expertise in the area of Computational Chemistry/Physics/Biophysics/Biotechnology/Bioinformatics/Bioengineering

7. Desirable qualification:

- Familiarity with Python and shell scripting, with basic knowledge of bioinformatics and computational analysis of biological datasets.
- Prior research/project experience in protein and nucleic acid sequence or structure analysis, preferably involving computational or bioinformatics approaches.
- Familiarity with machine learning/AI-based approaches for biological data analysis would be an advantage.
- Exposure to Molecular Dynamics (MD) simulations and/or enhanced sampling techniques such as Metadynamics, Umbrella Sampling, or Replica Exchange would be desirable.
- Strong interest in theoretical and computational biophysical chemistry, particularly protein–nucleic acid interactions, with willingness to learn and develop computational approaches.

8. How to Apply: A detailed CV must be emailed to Dr. Susmita Roy (susmita.roy@iiserkol.ac.in) latest by October 11, 2026.

All candidates are requested to report with the following documents: (a) Two sealed recommendation letters from Teachers and/or Academic Mentors; (b) Self-attested copies of Degree Certificates with Originals; (c) Any other relevant documents.

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

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

Mode of Interview: Hybrid mode (online/offline; link will be shared with the short-listed candidates on October 11, 2026)

****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 a 30-day notice before completion of tenure, if their performance is deemed unsatisfactory. The requirements of minimum qualification and/or experience and age may be relaxed in the case of candidates with outstanding credentials.

Contact: Dr. Susmita Roy

Associate Professor

Department of Chemical Sciences

IISER Kolkata, Mohanpur 741246.

E-mail: susmita.roy@iiserkol.ac.in