



Indian Institute of Science Education and Research (IISER) Bhopal

Junior Research Fellow at IISER Bhopal

May 27, 2025

Applications are invited from motivated Indian nationals for the position of **Junior Research Fellow (JRF)** in **Theoretical/Computational Biological Physics**, funded by the Science and Engineering Research Board (SERB), DST, Government of India (Project No. CRG/2023/000970).

Project Description

The project lies at the interface of physics, biology, and computation. By building physics-based models and simulations, the project aims to explore the fundamental physical principles governing complex biomolecular systems, with particular emphasis on phenomena that span multiple time and length scales. The research will use advanced computational methods rooted in **equilibrium and non-equilibrium statistical physics**, complemented by **modern machine learning techniques**.

Position Details

- **Number of Positions:** 01
- **Duration:** Initially for one year, extendable for a second year based on performance and mutual interest.
- **Emoluments:** ₹37,000/- per month + 16 % HRA

Eligibility Criteria

- **Educational Qualification:** M.Sc./MS or equivalent in **Physics/Engineering Sciences/Applied Mathematics/Biophysics/Physical Chemistry** from a recognized University/Institute with a consistently good academic record (First class/Division or minimum CPI of 7.0/10.0).
- **National Eligibility:** A valid rank/score in NET, GATE, JEST, or an equivalent national eligibility test is mandatory at the time of application.
 - *Exception:* Students from national institutes (IISERs/IITs/NITs/IISc) with a CPI above 8.0/10.0 are exempt from the NET/GATE/JEST requirement.

Desirable Qualifications

- Proficiency in computer programming (Python or any other programming/scripting language).

Application Process

Interested candidates must send the following documents in a single PDF file via email (with the subject “JRF Application”) to the undersigned by **June 16, 2025**:

- Cover letter
- Detailed CV with a recent photograph
- Names and contact information of two referees
- Copies of all academic credentials (starting from 10+2)
- Valid proof of qualification in NET/GATE/JEST

Incomplete applications will be rejected without review.

Selection Process

Only shortlisted candidates will be contacted via email for an online interview (to be held via Zoom/Google Meet). No interim inquiries will be entertained.

Tentative Start Date: July 1, 2025

Contact Information

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