

Advt. No.: IITJMU/R&C/RP00105/A-01

Dated: 07/04/2022

Advertisement for the Position of JRF

Applications are invited from the interested candidates for the post of **Junior Research Fellow (JRF)** to work on the project titled “**Evolutionary optimization of cellular resources and a codon optimization method inspired by natural selection**” sanctioned by Department of Biotechnology, India.

Sl No	Position	Area of Specialization	Duration	Consolidated Salary per Month	Number of Positions
1	Junior Research Fellow	Biophysics/computational Biology	3 years	Rs. 31000/ for the first two years and Rs. 35000 in the third year (Per month plus HRA as per GoI norms)	01

*Minimum Qualification:

- Essential Qualification:
 - M.Sc (Physics) or M. Tech (Computational Biology/Bioinformatics) or equivalent with first division at all levels starting from secondary education for essential qualifications.
 - Essential qualification from a recognized technical institute/university as a full-time program.
 - Preference may be given to the candidate having appropriate knowledge of data visualization and analysis software and report writing.
- Desired Qualification:
 1. A good knowledge of any programming language
- Upper age limit: 30 years

Brief Objective of Project:

Protein synthesis is a resource-intensive process and thus requires the efficient use of protein synthesis machinery. However, the exact mechanism of resource optimization is not well understood. In this project, using computer simulations and big biological datasets, we plan to study the optimization of cellular resources in protein synthesis.

Job Description:

The selected candidate is expected to use Matlab or similar programming language for protein synthesis simulation. Writing reports/papers and active participation in the group meeting or journal club are also expected.

Application Process:

Duly filled application form along with the requested details, scanned copies of certificates, other supporting documents, should be uploaded through the online portal (<https://apply.iitjammu.ac.in/#/home>) latest by April 25, 2022. Please apply through the [contract/project staff/JRF/SRF] tab on the referred application portal. Candidates who are already employed should produce a relieving certificate from their employers if selected. The interview will be conducted for all shortlisted candidates. "The selected candidate will be encouraged to apply for the PhD program if he/she satisfies all the criteria for PhD admission. However, the candidate can only be selected through the regular admission process for the PhD program at IIT Jammu."

Attention:

1. The applicant will be responsible for the authenticity of the information, other documents, and photographs submitted.
2. Merely possessing the prescribed qualification does not ensure that the candidate would be called for an Interview. The candidates may be shortlisted based on merit and need for the project.
3. Shortlisted candidates will be informed by e-mail about the interview. So, the candidate must provide valid e-mail IDs, phone number information in their applications.
4. Shortlisted candidates must present themselves for the interview on the interview date with an updated CV and original and attested photocopies of mark sheets/certificates in support of their academic qualifications. Only shortlisted candidates will be called

for the interview. The time of the interview will be informed to the shortlisted candidates by e-mail. The interview will be held by using the online platform.

5. Candidates who are already employed should produce a relieving certificate from their employers if selected.
6. The last date for receiving the duly filled in application is 25th April, 2022, through an online portal.
7. The date of interview will be informed to the shortlisted candidates through email.
8. **Candidate must upload all the documents with respect to educational qualification, Experience etc.**

Address for Correspondence:

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