

Advertisement for JRF in a SERB (DST) sponsored project (CRG/2022/002417)

Applications are invited for the post of Project Fellow/ JRF in the SERB sponsored project titled “**Studies on stochastic micro-engines in complex fluids**”, at the Light Matter Lab, Department of Physical Sciences, IISER Kolkata. This project involves in-depth theoretical concepts in **classical non-equilibrium statistical mechanics**, and rigorous experimental work with **optical tweezers** including day-to-day use of optical microscopes, lasers, associated optical equipment/devices, biological/chemical sample preparation, etc. For more details about the physics behind the project, please check

<https://sites.google.com/iiserkol.ac.in/light-matter-lab-iiserk/research/soft-matter-physics>

Position: JRF

Fellowship: Rs. 37,000/- + HRA (or as per payscale mandated by SERB, DST)

Please see <https://dst.gov.in/sites/default/files/OM%20Fellowship%20Revision-2019.pdf> for salary details existing presently.

Duration: Till the completion of the project on May 31, 2026 (please apply ONLY if you are willing to work till May 31, 2026 – when the project will be completed.)

Eligibility: (i) At least 55% in MSc in Physics/Chemistry, with qualification in a national level eligibility test (CSIR NET JRF, GATE, JEST).
(ii) MTech in a professional course with qualification in a national level eligibility test as described above.
(iii) Candidates with prior experience in an optics research lab would be preferred.

Eligible candidates may apply by sending soft copy through e-mail in the given format with a cover letter displaying their interest. Self- attested soft copies of mark-sheets, certificates, (10th standard onwards) and proof of research experience/publications should be attached with the application. A single pdf file, consisting of cover letter, application form, and all documents, must be sent to ayan@iiserkol.ac.in **within 7 days from the date of advertisement**. Also, please fill in the document:

https://docs.google.com/spreadsheets/d/1HkFnywITpCR_ggyZWvYnuHp1r-IDSb8nnTN_36422QQ/edit?gid=0#gid=0

Canvassing in any form or bringing influence, political or otherwise, will lead to disqualification of the candidate(s). A web-link with date and time of an online interview will be e-mailed to the shortlisted candidates. The candidates must ascertain their eligibility before applying, as ineligible candidates will not be interviewed. **Shortlisted candidates will need to support their applications with 2 emails of recommendation (to be sent to the PI) from teachers or mentors familiar with their academic achievements.**

Prof. Ayan Banerjee
Dept of Physical Sciences
IISER Kolkata
Mohanpur Campus,
Nadia: 741246, West Bengal
Email: ayan@iiserkol.ac.in

Application Format for the post of JRF

Position applied for :

Name :

Date of Birth :

Marital Status :

Contact details :

(Complete address, phone/mobile no. & e-mail)

Educational Qualifications :

(10th onwards/enclosed copies of certificate)

Examination/ Degree	Board/ University	Year of passing	Subjects	Marks obtained (%/CGPA)

National level examination qualified : CSIR NET/GATE/JEST/JAM (Mark whichever is appropriate and provide details)

Title of M.Sc. or M.Tech dissertation :

List of publications in refereed journals (if any)

(authors, title, journal name, vol, page no., year)

Summary of research work experience :

(not more than 200 words, attach separately)

Two References :

(Provide complete contact details)

Place :

Date :

Signature of Candidate