



Indian Institute of Technology (ISM) Dhanbad
Office of the Dean (Research & Development)

Sanction No and Date: ANRF/ARG/2025/011912/LS; Dt. 27/03/26	IIT (ISM) Project No. SRDP 1295 G	Date 20/04/2026
--	--------------------------------------	--------------------

JRF position under ANRF ARG Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Junior Research Fellow (JRF)
Number of Position (s)	1 (One)
Title of The Project	Improving the photostability and brightness of fluorogenic RNA aptamers for live cell imaging by understanding the photophysics of RNA-fluorophore interaction
Principal Investigator	Dr. Sourav Kumar Dey
Tenure of Project	Till 27/03/2029 or Co-terminus with the project, whichever is earlier
Job Description (in maximum of 100 words)	The selected candidate is expected to conduct studies on methodology development and application of the developed methodologies towards target probe syntheses. Further, the synthesized probes and their interaction with RNA will be characterized using spectroscopic techniques. Finally, the applicability of these probes will be tested in live cells for their ability to image and track RNA to help ensure the timely and successful completion of the project, in consultation with the PI.
Essential Qualification	1. M.Sc (Chemistry/Chemical Sciences/Life Sciences/Biology/Biotechnology) with 1 st class or min 60% marks/ 6.0 CGPA (if class is not awarded) 2. Valid CSIR-UGC NET (including LS) or GATE qualification
Desirable Qualification	Experience in organic synthesis and handling of absorption spectrophotometer and fluorimeter instruments along with experience in synthesis and characterization of DNA/RNA or other biomolecules.
Age and Relaxation (if any)	As per ANRF norms (Relaxable for SC/ST/OBC/PH candidates as per GOI norms)
Fellowship	₹ 37,000/- PM + (admissible HRA if staying outside the campus)
Last Date & Time	30/04/2026; 6:00 PM Applications quoting the project no. "ANRF/ARG/2025/011912/LS" along with supporting documents should be sent to the PI (Dr. Sourav Kumar Dey) via E-mail to souravdey@iitism.ac.in
Shortlisted candidates will be informed about the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	


20/04/26
(Signature of PI)