



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 22/05/2026
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**JRF position under ANRF ARG Project**

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

<b>Position</b>	Junior Research Fellow (JRF)
<b>Number of Position (s)</b>	1 (One)
<b>Title of The Project</b>	Improving the photostability and brightness of fluorogenic RNA aptamers for live cell imaging by understanding the photophysics of RNA-fluorophore interaction
<b>Principal Investigator</b>	Dr. Sourav Kumar Dey
<b>Tenure of Project</b>	Till 27/03/2029 or Co-terminus with the project, whichever is earlier
<b>Job Description (in maximum of 100 words)</b>	<p>The initial tenure will be for 01 (one) year. Upon completion of the first year, the tenure may be extended based on annual performance evaluation and project requirement. The position may be converted to PhD at IIT (ISM) Dhanbad as per institute rules and performance.</p> <p>The selected candidate is expected to synthesize probes using organic synthetic methodologies. Further, the synthesized probes and their interaction with RNA will be characterized using spectroscopic techniques. Finally, these probes will be tested in live cells for their ability to image and track RNA. The selected candidate will assist the PI in timely and successful completion of the project.</p>
<b>Essential Qualification</b>	M.Sc (Chemistry/Chemical Sciences/Life Sciences or related field) with 1 <sup>st</sup> class or min 60% marks/ 6.0 CGPA (if class is not awarded) Valid CSIR/UGC NET (including LS) or GATE qualification
<b>Desirable Qualification</b>	Experience in organic synthesis and handling of absorption spectrophotometer and fluorimeter instruments.
<b>Age and Relaxation (if any)</b>	As per ANRF norms (Relaxable for SC/ST/OBC/PH candidates as per GOI norms)
<b>Fellowship</b>	₹ 37,000/- PM + (admissible HRA if staying outside the campus)
<b>Last Date &amp; Time</b>	<b>05/06/2026; 6:00 PM</b> Applications quoting the project no. "ANRF/ARG/2025/011912/LS" along with all supporting documents (as a single PDF file) should be sent to the PI: (Dr. Sourav Kumar Dey) via E-mail to <a href="mailto:souravdey@iitism.ac.in">souravdey@iitism.ac.in</a>

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.

  
22/05/26  
(Signature of PI)