



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2023-24/25

13 July 2023

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Research Project at this Institute. The position is purely temporary, initially for a period of 05 Months, and same extendable but co-terminus with the duration of the project, on a contractual basis with consolidated pay. The requisite qualification, experience and other details are given below:

1.	Project No.	S/SERB/SUG/20200059
2.	Project Title	Reconstitution of Microenvironment of Brain using Advanced Prototype-based Microfluidic System for Neuro-organoid Culture and Monitoring the Synapse Formation
3.	Name of the Project Investigator	Prof. Surajit Ghosh
4.	Duration for initial appointment	05 Months
5.	Name of the Post	Project Scientist
6.	Post	01
7.	Consolidate Pay	Rs. 35,400/-
8.	Minimum Qualification and Experience	<u>Eligibility:</u> B. Tech. with GATE qualification /M. Sc. with NET/SET qualification  <u>Desirable Qualification:</u> Ph. D with 2 year's Experience
09.	Job Description	<ol style="list-style-type: none"><li>1. Handling cell culture with various mammalian and primary cell lines.</li><li>2. Design and fabrication of Microfluidic device.</li><li>3. 3.Synthesis of chemical modulators.</li><li>4. Working in microfluidic projects and advance research in the related field and disseminate the outcomes of the research project through the preparation of journal articles</li><li>5. 5.Carry out any other lab-related work as directed by PI.</li></ol>
10.	Brief description of Project	Design and fabrication of 3D microfluidic device system equipped with multiple probes, physical and chemical cues will be carried out which will be utilized to develop in situ neuro-organoid from triculture (neurons, astrocytes, and microglia) and will study its functional and developmental

		pattern under various physical and chemical cues. This microfluidic triculture neuro organoid system will be explored to understand the synapse and neural tube formation as well as exploration of new neurotransmitters under various chemical and physical cues. This project will also involve microfluidics disease modelling and drug screening.
11.	Maximum Age	35 Years
12.	Age Bar	Age will be calculated on the closing date of the online submission of the application. Relaxation in age for the category candidates only would be admissible as per Central Government Rules. Also kindly enclose the Caste Certificate alongwith the application.

The candidates possessing the requisite qualification and experience should apply through the **ONLINE process** up to **19 July 2023**. The candidates are advised to send a soft copy of the application with all relevant documents to [recruitment\\_rnd@iitj.ac.in](mailto:recruitment_rnd@iitj.ac.in) (*Please mention the advertisement number in the subject line of the email*). *No need to send a hard copy.*

### General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 05 Months and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	Institute reserves the right to: a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time. b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	Higher initial pay may be given to exceptionally qualified/deserving candidate.
7.	No TA/DA shall be paid to the candidates for attending the interview.
8.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
9.	Canvassing in any form will be a disqualification.
10.	No interim correspondence will be entertained.
11.	No need to send hard copy.