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**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
DEPARTMENT OF BIOSCIENCES & BIOENGINEERING**

Dated: 25/01/2026

**ADVERTISEMENT FOR WALK-IN INTERVIEW TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the research project under the Principal investigator Prof. Partha Roy, Department of Biosciences and Bioengineering, Indian Institute of Technology, Roorkee.

1. **Title of project:** Development of a comprehensive in vitro and in vivo study design for understanding the **Pathophysiology of Bipolar disorder**, associated biomarkers for its probable diagnostic and nutraceutical based therapeutic intervention
2. **Sponsor of the project:** SKAN Research Trust, Puducherry
3. **Project position(s) and number:** Research Associate (One number)  
**Qualifications:** Essential qualification: Doctorate (PhD) or equivalent degree awarded in Biotechnology/Biochemistry/Life Sciences/ Medical Biotechnology in the area of neurobiology.  
**Desirable qualification:** Candidates having prior experience in handling and culturing of mammalian cell lines (especially neuronal cell lines), induced pluripotent stem cells (iPSCs), differentiation of stem cells to neurons, analyzing the function and cell signaling in neuronal cells, developing animal models of neuronal disorders, various molecular biology techniques including cloning of genes and other techniques like western blots, RT-PCR, immunoprecipitation assays will be preferred.
4. **Emoluments:** Rs. 48,000/- pm plus admissible HRA
5. **Duration:** Initially for one year extendable to another one year (based on availability of funds)
6. **Job description:** To develop in vitro (cell based) and animal (rodent) bipolar disorder models, optimize culture and differentiation conditions, screening chemicals using these cells for bipolar disorder drug development, functional analysis of bipolar disorder progression and its regulation (both at genetic and protein levels) in vitro and in vivo towards the development of therapeutics.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview **as a single PDF file**:
  - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
  - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. **Please note that no TA/DA is admissible for attending the interview.**

The interview will be held at **Biosciences and Bioengineering Department on February 20, 2026 at 11.00 AM onwards in the Faculty Room of the Department**. The candidate has to come prepared to stay long almost the entire day.

*Partha Roy*

Tel: 01332 285686

Fax: 01332 273560

Name and signature PI

Email: [partha.roy@bt.iitr.ac.in](mailto:partha.roy@bt.iitr.ac.in)

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

*Approved*

*[Signature]* 27/1/26

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Sponsored Research & Industrial Consultancy  
Indian Institute of Technology Roorkee  
Roorkee-247 667 (INDIA)

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