

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

Dated: 13/07/2026

ADVERTISEMENT FOR ONLINE 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 nanoparticle-based therapeutics for obesity using stilbenoids and their derivatives having the capacity of inducing browning of white adipose tissue by regulating cytoophidia-mitochondria interactions
2. **Sponsor of the project:** Anusandhan National Research Foundation (ANRF), New Delhi
3. **Project position(s) and number:** Senior Project Associate
Qualifications: Essential qualification: Doctorate (PhD) degree awarded in Biotechnology/ Biochemistry/ Life Sciences/ Medical Biotechnology in the area of Obesity and Nanobiotechnology.
Desirable qualification: Candidates having prior experience in: handling and culturing of mammalian cell lines (especially browning of adipocytes); synthesizing and characterization of drug loaded nanoparticles; analyzing the function and cell signaling, developing animal models of obesity, various molecular biology techniques and other analytical techniques like western blots, RT-PCR, immunoprecipitation assays will be preferred.
4. **Emoluments:** Rs. 57,000/- per month + HRA 10% @ Rs. 5,700/- per month
5. **Duration:** Initially for one year extendable to two years (1 year + 1 year) (based on availability of funds and progress in the project)
6. **Job description:** To develop the in vitro models for cytoophidia, and browning of adipocytes (both in vitro and in vivo); design, synthesize, characterize and then biologically analyze anti-obesity properties of phytochemical loaded nanomedicine using suitable mammalian cell culture and rodent models. The candidate will also be responsible for day to day management of project related activities, timely preparing progress reports, management of project funds and assist PI in making UC and SE of the project related expenditures.

1. Candidates before appearing for the applying/ interview shall ensure that they are eligible for the position they intend to apply and fits the required criteria. Candidates with non-related background will not be interviewed.

2. Candidates desiring to apply should submit their applications with the following documents to the office of Principal Investigator latest by July ^{30th}, 2026 through email as a **single PDF file**:

- Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
- A brief abstract (within 300 words) stating the work done in PhD and the techniques involved in it.
- Attested copies of degree/certificate and experience certificate.

3. If selected the candidate will have to produce original degree(s)/certificate(s) and experience certificate(s) at the time of joining the said position for verification. Failing to do this the offer letter will stand cancelled.

4. Preference will be given to SC/ST candidates on equal qualifications and experience.

The interview will be held in Online Mode (tentatively in First week of August 2026). The Link, Date and Time for attending the interview will be intimated to the short-listed candidates in due course.

Tel: 01332 285686

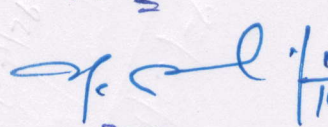
Fax: 01332 273560

Email: partha.roy@bt.iitr.ac.in

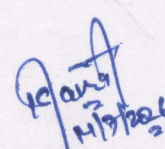
Name and signature PI

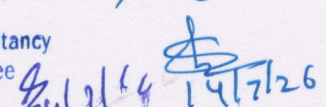
*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Approved


Dean

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Roorkee-247 667 (INDIA)


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14/7/26