

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF BIOSCIENCES & BIOENGINEERING

SRIC/06

Dated: 07/04/2026

ADVERTISEMENT FOR ONLINE 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 novel mitochondria targeted Luteolin-Copper nanomedicine for treating non-small cell lung cancer by cuproptosis induced cell death
2. **Sponsor of the project:** Indian Council for Medical Research (ICMR), New Delhi
3. **Project position(s) and number:** Project Research Scientist-II (Non-Medical) (One number)
Qualifications: Essential qualification: Doctorate (PhD) degree awarded in Biotechnology/ Biochemistry/ Life Sciences/ Medical Biotechnology in the area of Nanobiotechnology.
Desirable qualification: Candidates having prior experience in: handling and culturing of mammalian cell lines (especially lung cell lines); synthesizing and characterization of drug loaded nanoparticles; analyzing the function and cell signaling in cancer cells, developing animal models of lung cancer, various molecular biology techniques and other analytical techniques like western blots, RT-PCR, immunoprecipitation assays will be preferred.
4. **Emoluments:** Rs. 67,000/- per month + HRA 10% @ Rs. 6,700/- 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 design, synthesize, characterize and then biologically analyze the cuproptosis mediated anticancer properties of novel drug and copper loaded nanomedicine using suitable mammalian cell culture in vitro and rodent in vivo lung cancer models respectively. 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 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 appear for the Interview should submit their applications with the following documents to the office of Principal Investigator latest by **April 20, 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.
5. **The link of for attending the interview will be shared 1 -2 days prior to the date of interview.**

The interview will be held at **Biosciences and Bioengineering Department on April 24, 2026 at 11.00 AM onwards in the Faculty Room of the Department.** The candidate has to be prepared to wait long almost the entire day.

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Partha Roy
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
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07/04/2026
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