भारतीय प्रौद्योगिकी संस्थान रूड़की
Indian Institute of Technology Roorkee
Department of Biosciences and Bioengineering

Advt. No. BSBE/PDF/24-25/01 Date: 23.07.2025

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

The Department of Biosciences and Bioengineering at the Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for post doctoral position under the mentorship of **Dr. Gopinath Packirisamy** (Professor), focused on **"Development of multifunctional scaffolds for understanding mechanotransduction via Connexin hemichannels for efficient cancer therapy"**.

Last date for the submission of application is **8th August 2025 (5.00 PM).** *Applications received after this date will not be considered.*

Minimum qualification and experience:

Essential qualification:

Ph. D. in Biotechnology / Nanotechnology / Biomedical Engineering/ lifesciences / equivalent
Project-relevant experience with minimum 2 first-author research publications in SCI-indexed journals in the field of Cancer Nanotechnology /Nanomedicine /Cancer mechanobiology/ Biomedical Engineering

Desirable qualification:
The prospective candidate is expected to have a strong background in one or more areas within nanobiotechnology: synthesis & characterization of nanomaterials, molecular biology and cell biology assays, and expertise in animal models. Candidate should be passionate about working on cutting edge research leading to patents, high impact publications and products. Other research activities may include participating in research discussion with overseas universities and research centers.

* Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they should furnish proof of the award of a PhD degree at the time of interview at IIT Roorkee if shortlisted

Duration and Fellowship amount:
The duration of the fellowship will be **01 year 01 month**. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of **Rs. 80,000.00 per month** and a contingency of Rs. 50,000.00 per annum will be awarded to Post-Doctoral Fellows.

How to Apply:
Candidates should clearly mention Advt. No. and date with title of the position applying for with a covering letter, curriculum vitae, two reference letters*, list of publications (**highlighted with the most relevant publication(s) for the post**), research statement describing past research and plans for future research in the context of the focus for which the post is being advertised (mandatory) all in a **single PDF file by e-mail**, to:

The Head,
Deptt. of Biosciences and Bioengineering
Indian Institute of Technology Roorkee
Roorkee – 247667, Uttarakhand, INDIA.
Email: biotech@iitr.ac.in (and copy to **nanobiogopi@gmail.com**)
Phone: +91-1332-285216 / 284316 /285650 (office)

***Please ask two experts in your research area to send their reference letters directly to the above-mentioned email-ids.**

Notes:

(i) Post-doctoral fellows (PDF) will be registered as students and may avail facilities of library, computer center, available hospital facilities etc. They will be entitled to 2.5 days leave per completed calendar month. No carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.

(ii) The screened candidates will be called for interview.

About the Department:

A Centre of Biosciences was started in 1980 and upgraded to a full-fledged academic Department of Biosciences and Biotechnology in 1986. It was renamed as the Department of Biotechnology in the year 2002. The department has teaching and research programmes which encompass various basic and applied aspects of modern biotechnology. The main objective of the Department is to provide academic training and conduct research in the interdisciplinary areas of biotechnology with a particular emphasis on extending the knowledge generated from these studies towards the development of technologies of commercial significance. A B.Tech.(Biotechnology) course has been started in 2005. In January 2021, the department was renamed to Department of Biosciences and Bioengineering.

For more details, please visit:

https://iitr.ac.in/Departments/Biosciences%20and%20Bioengineering%20Department/home.html

About the Institute:

IIT Roorkee has its roots in the Roorkee College, which was set up in 1847. It was renamed as the Thomason College of Civil Engineering in 1854. The College laid the foundation of modern engineering education and the use of Civil Engineering practices in the infrastructure development of the country. The irrigation infrastructure in the form of dams and canals, roads and highways, railway, bridges, etc. in the country, all have been the outcome of the engineering education imparted in this, the only engineering institution in the country, at that point of time. It got elevated as the first technical University of the country in 1948 through the University of Roorkee Act, 1947 passed by the United Provinces Legislature. University of Roorkee also became the first institution in the country to offer postgraduate programs in engineering and technology in 1955. On September 21, 2001, the University was converted into an IIT by the Government of India through an Act of Parliament and recognized as an Institution of National importance. Roorkee is the entry point of Uttarakhand state. It is on the way to Haridwar from Delhi. (For more details, please visit: www.iitr.ac.in)

Head
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Indian Institute of Technology Roorkee
Roorkee-247667

विभागाध्यक्ष / Head
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