

Department of Biosciences and Bioengineering
Indian Institute of Technology, Roorkee
Dated: 21.05.2024

ADVERTISEMENT FOR POSTDOCTORAL 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 Prof. Ranjana Pathania, under the project "**Mechanistic insights into a novel sRNA mediated fine-tuning of amino acid metabolism and its implication in *Acinetobacter baumannii* pathophysiology**". Research in Prof. Pathania's group focuses on small non-coding RNA-mediated post-transcriptional regulation in *Acinetobacter baumannii* pathogenesis. The Pathania Lab employs chemical genetics, biochemistry, molecular biology, cell biology, and animal models to understand host-microbe interactions. The Prospective candidate is expected to have a strong background in Nucleic acid biology, including RNA biology, RNA-RNA and RNA-protein interactions, genetic modification of bacterial cells, protein purification, and cell line handling. As a core member of Prof Pathania's lab, the candidate will be expected to work at the bench, interpret data, and troubleshoot experiments independently. Apart from research, the candidate may be entrusted with other academic responsibilities deemed fit by the department.

The last date for acceptance of the detailed applications is 14.06.2024

Qualification/Specialization

Essential qualifications

The prospective candidate should have Ph.D. in Biotechnology/Molecular Biology/Biochemistry/Molecular Microbiology with first class in the preceding degree.

Desirable qualifications

1 or 2 years of experience/specialization in cellular and molecular biology-related work, including genetic modification of bacterial cells, Nucleic acid biology including RNA biology, RNA-RNA and RNA-protein interactions, protein purification, and cell line handling. The prospective candidate should have at least two publications in Q1 category journals in the area of Biotechnology/Molecular Biology/Biochemistry/Molecular Microbiology.

There should be no more than 4 years gap after completion of the PhD. The candidate also needs to submit a letter of recommendation from the PI/PhD supervisor. In case the candidate is employed, he/she needs to submit an NOC from the employer.

Duration and Fellowship amount.

The duration of the fellowship will be of one year and is subject to yearly extension up to 3rd year provided the progress is satisfactory. The candidate is expected to join the Department as soon as the offer letter is released. The fellow will receive a consolidated fellowship Re: 80,000/- per month in addition to the contingency grant of Rs. 50,000/- per annum.

How to apply

Candidates can apply with a cover letter, curriculum vitae, Ph.D. certificate, list of publications, letter of recommendation from the PI/PhD supervisor, and NOC from the employer if already employed by e-mail to Prof. Ranjana Pathania ranjana.pathania@bt.iitr.ac.in and biotech@iitr.ac.in.

About Prof. Ranjana Pathania's lab.

Please visit: <https://www.thepathanialab.com>

About the Department

Please visit: <https://bt.iitr.ac.in>

About the Institute.

Please visit: www.iitr.ac.in



Prof. Ranjana Pathania,
Principal Investigator
Department of Biosciences and Bioengineering
IIT Roorkee
Date: 21/05/2024

Dr. Ranjana Pathania

Professor

Department of Biosciences & Bioengineering
Indian Institute of Technology Roorkee



Professor and Head
Department of Biosciences and Bioengineering
IIT Roorkee
Date: 21/05/2024

विभागाध्यक्ष / Head
जैवविज्ञान और जैवप्रौद्योगिकी विभाग
Department of Biosciences and Bioengineering
भारतीय प्रौद्योगिकी संस्थान / Indian Institute of Technology