

Centre of Nanotechnology
Indian Institute of Technology Roorkee

Advt. No. CON/PDF/2020/ 990 / , Date: 31/08/2020

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

Centre of Nanotechnology at the Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for post doctoral position for working on a project focused on **'Design and development of a biofilm modulated antibiotic releasing coating system for orthopedic implants'**.

The prospective candidate is expected to have a strong interest in Biotechnology and Tissue Engineering with thorough working experience in Biomaterials synthesis and characterization, in-vitro and in-vivo evaluations, cell culture and all related techniques. Other research activities may include participating in research discussion with collaborating universities and research centers, mentoring other students, proposal writing etc.

Last date of application submission is 25 September, 2020.

Minimum Qualification and Experience:

The prospective candidate should have PhD degree in Biology /Biotechnology /Biochemistry /Biomedical/Biomaterials /Bio-nanotechnology, with quality publications in related fields and working experience, as mentioned above.

Candidates who have recently submitted their doctoral thesis are also eligible to apply subject to the condition that they will furnish the proof of award of Ph.D at the time of interview and also fulfil above-mentioned criteria.

Duration and Fellowship amount:

The duration of the fellowship will be of two years, extendable by one more year, if necessary. The candidate is expected to join the Department as soon as offer letter is released. The fellow will receive a consolidated fellowship as below, in addition with the contingency grant of Rs. 50,000/- per annum.

First Year: Rs. 55,000/- per month

Second Year: Rs. 55,000/- per month

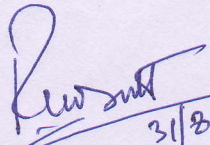
Third Year: Rs. 60,000/- per month

How to Apply:

Candidates can apply with cover letter, curriculum vitae, list of publications (with the most significant publications highlighted), research statement describing past research and plans for future research in the area of this project, by both regular mail and e-mail, to:

Professor and Head
Centre of Nanotechnology
Indian Institute of Technology Roorkee
Roorkee - 247667
INDIA
Attn.: Prof. Debrupa Lahiri
Email: debrupa.lahiri@mt.iitr.ac.in
Phone: +91-1332-285137 (office)

Important notes:


31/8/2020
विभागाध्यक्ष/Head of Deptt.
नैनो प्रौद्योगिकी केन्द्र
Centre of Nanotechnology
भा0प्रौ0सं0, रुड़की-247667
I.I.T. Roorkee-247667

- (i) All the envelopes and emails MUST have subject line "Application for Post-Doctoral Fellow Position"
- (ii) All the post-doctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of hostel accommodation, library, computer centre, hospital etc. They will also be governed by the leave rules as applicable.
- (iii) All other rules and regulations, mentioned in the notification no. IITR/Rect./E-5508 dt. 03 May 2019 will be applicable.
- (iv) The candidates, if called for discussion/interview at IIT Roorkee, will be paid II-AC train fare from their place of residence/work and back by the shortest route within India. The discussion/interview can also be held online through a suitable meeting software.

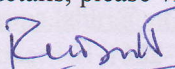
About the Department:

Centre for Nanotechnology was established in December 2005 as one of the Centers of Excellence. The faculty members associated with the center are involved in developing state-of-the-art facilities at the institute and vigorously pursuing interdisciplinary research on various current aspects of Nanoscience and Nanotechnology. A wide range of sophisticated equipment related to nanotechnology has been made operational at IIC as well as at center involving the multidisciplinary faculty of the center. In view of the major impact of 'Nanoscience' in vast disciplines of Science and Technology, M.Tech. program on 'Nanotechnology' was started in 2008. This course is aimed at providing the basic knowledge to B.Tech./M.Sc. students about various concepts of nanoscale materials, their synthesis, characterization, novel properties, applications and future perspectives. This being a multidisciplinary area, a number of electives have been designed to impart knowledge on modeling and simulation, physics, chemistry, biological and technological aspects of nanomaterials. Besides, it is providing students a practical training on advanced methods for the synthesis, characterization and elucidation of different nanostructures. This expertise could be utilized to fabricate new materials and nanodevices. For more details, please visit: http://www.iitr.ac.in/centers/NT/pages/Centre_of_Nanotechnology.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 Mussoorie and Haridwar from Delhi. IIT Roorkee has a beautiful green campus. Various sports facilities including Billiards, Swimming, Hockey, Football, and Yoga are available in the Campus. The Institute provides 100% accommodation to faculty members. A good C.B.S.E. School is available in the Campus which provides admission to the children of newly joining faculty members throughout the year.

For more details, please visit: www.iitr.ac.in


Professor and Head 31/8/2020
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