

**Centre of Excellence- Nanotechnology
Indian Institute of Technology Roorkee**

Advt. No. CON/PDF/ 728 , Date: 06-02-2018

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

The 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 '*Directing iPSCs towards tenogenic lineage using in vitro microenvironment modulators*'.

The prospective candidate is expected to have a PhD in any branch of Biological/Chemical Sciences with strong background and expertise in cell culture, cell based assays, molecular biology techniques, handling of animal models. Preference will be given to candidates having knowledge in stem cells and their differentiation, cell-material interaction, polymer processing and characterization. The candidate should be passionate about working on cutting edge research leading to high impact products and services. Other research activities may include participating in research discussion with overseas universities and research centers.

Last date of application submission is 10 March, 2018.

Minimum Qualification and Experience:

The prospective candidate should have following qualifications i.e. at least two SCI publications with Ph.D in Biological/Chemical Sciences.

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.

Duration and Fellowship amount:

The duration of the fellowship will be of two years extendable for one more year, if necessary. The candidate is expected to join the Department as soon as offer letter has been released. The fellow will receive a consolidated fellowship as below in addition with the contingency grant of Rs. 20,000/- per annum.

First Year: Rs. 50,000/- per month

Second Year: Rs. 55,000/- 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 by both regular and e-mail, to:

Professor and Head
Centre of Nanotechnology
Indian Institute of Technology Roorkee
Roorkee - 247667
INDIA

Email: nano@iitr.ernet.in with a cc to partharoy1970@gmail.com

Phone: +91-1332-285490 (office)

Notes:

- (i) All the post doctoral fellows (PDF) will be registered as IIT Roorkee students for availing the facilities of accommodation, hospital, medical insurance scheme, computer centre, library sports, etc. They will also be governed by the leave rules as applicable to the post graduate students.
- (ii) The candidates called for discussion/interview will be paid II-AC train fare from their place of residence/work and back by the shortest route within India.

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.

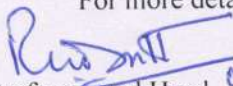
For more details, please visit:

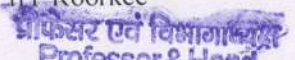
http://www.iitr.ac.in/centers/NT/pages/Centre_of_Nanotechnology.html

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
Centre of Nanotechnology
IIT Roorkee


प्रोफेसर एवं विभागाध्यक्ष
Professor & Head
नैनो प्रौद्योगिकी केंद्र
Centre of Nanotechnology
भा. प्रौ. सं. उड़ीशी/IIT Roorkee