ADVERTISEMET FOR POST DOCTORAL FELLOWSHIP POSITION

Electrical Engineering Department (EED) at the Indian Institute of Technology (IIT) Roorkee invites applications from outstanding and enthusiastic researchers for post doctoral position under the mentorship of Dr. Sohom Chakrabarty (Assistant Professor, EED), with co-mentorship of Dr. Saugata Hazra (Assistant Professor, Biotechnology) focused on ‘Using Artificial Intelligence Methods to understand peptide dynamics through integrative approach with MD simulation’.

The prospective candidate is expected to have a strong background in Biophysics, Bioinformatics, Software Development, Machine Learning and Molecular Dynamics simulation. 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 collaborators from national and overseas universities and research centers.

Last date for submission of application is August 15, 2018.

Minimum Qualification and Experience:
The prospective candidate should hold a Ph.D. in any of the fields of biophysics, Bioinformatics, machine learning or artificial intelligence and molecular dynamics. Special Preference would be given to candidates having knowledge regarding Biological Macromolecules, experience of working in sequence and structure analysis, Homology Modeling, Docking, Virtual Screening and Quantum Calculations. The candidate must have at least four first authors in pubmed listed journals in the relevant fields. 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 candidate will receive a consolidated fellowship.

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<tr>
<th>SI No.</th>
<th>Year</th>
<th>Amount of Fellowship (Rs.)</th>
<th>Contingency in Rs.</th>
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<tbody>
<tr>
<td>1.</td>
<td>First Year</td>
<td>Rs. 50,000.00 p.m.</td>
<td>Rs. 20,000.00 per annum</td>
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<tr>
<td>2.</td>
<td>Second Year</td>
<td>Rs. 55,000.00 p.m.</td>
<td>Rs. 20,000.00 per annum</td>
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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
Electrical Engineering Department
Indian Institute of Technology Roorkee
Roorkee - 247667
INDIA

Email: elect@iitr.ac.in, sohomfee@iitr.ac.in
Phone: +91-1332-284880 (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 on production of train/bus tickets.

About the Department:

The Electrical Engineering Department of the Thomson College in the year 1897 was one of the earliest such specializations in the world when the discipline itself was in its infancy. The first batch of Electrical Engineering students graduated in 1900 from the Thomason College of Engineering. The present Department of Electrical Engineering came into being in 1946 and the first batch of electrical engineering graduates passed out of this college in 1949. Presently the Department conducts courses both at undergraduate and postgraduate levels and provides excellent facilities to carry out research work for Ph.D. degree and sponsored/ consultancy projects. For more details, please visit https://www.iitr.ac.in/departments/EE/pages/index.html.

The 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. The M.Sc. (Biotechnology) course of the Department is being funded by the Department of Biotechnology, Government of India. A B.Tech. (Biotechnology) course has been started in 2005. A wide range of sophisticated equipment related to biotechnology has been made operational at IITC as well as at departmental building involving the multidisciplinary faculty of the center.

For more details, please visit: http://www.iitr.ac.in/~BT/

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