



भारतीय प्रौद्योगिकी संस्थान गांधीनगर
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INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR
Palaj, Gandhinagar 382 355

IITGN

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One Junior Research Fellow (JRF) position available for the project "Protein disaggregation mechanisms through surface patterning" with Prof. Mithun Radhakrishna in the Chemical Engineering department

Indian Institute of Technology Gandhinagar (IITGN) invites applications for a JRF position from motivated individuals interested in "Protein disaggregation mechanisms through surface patterning". The applications are sought under the SERB grant ECR/2017/000097. The total emoluments and detailed terms and conditions are as per SERB rules and amount to Rs. 25,000 pm (consolidated). Applications are accepted through email from October 2, 2017 and would be accepted until the position is filled (see the details on the application procedure below).

Eligibility and Expectations

The applicant should have completed his/her Bachelors or Masters in Chemistry/Physics/ Chemical Engineering/ Material Engineering/Mechanical Engineering or other allied fields with atleast 70% marks. Applicants with Bachelors or MSc degree require GATE/NET qualification Applicants are expected to have a strong knowledge of Thermodynamics, Statistical Mechanics, Monte Carlo simulations and Polymer physics. A strong programming skill either C/C++/Fortran/Python is required. Knowledge of high performance computing systems and clusters is desired if not absolutely necessary. Knowledge of Density Functional theory is a plus.

The Junior Research Fellow is expected to work on developing simulations and field theories to understand protein aggregation and subsequently work on mechanisms to disaggregate proteins through surface patterning approaches.

Application procedure

Candidates must send their applications via e-mail to Prof. Mithun Radhakrishna (mithunr@iitgn.ac.in) with **the subject line: JRF-Application-Your Name**. It should include the current CV with list of publications (if any), and a one page summary of the candidate's research experience.

As a part of the application, you are advised to arrange for two letters of references to be sent to Prof. Mithun Radhakrishna at **mithunr@iitgn.ac.in**. The applications will continue to be screened until the position is filled - queries may be directed to the same email id given above.