



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT141/2021**

## **Job Title**

Junior Research Fellow

## **Job Reference Number**

50245510

## **Application End Date**

17.09.2021

## **Type of Employment**

Proj. Staff Contract

## **No. of Position(s)**

1

## **IITB Project Recruitment:**

Project title: Effect of retroactivity on operating regimes of an enzymatic cascade at ensemble-level during TNFa signaling

About the project: The theoretical and computational study will involve developing models of biochemical reactions underlying enzymatic cascades and performing systematic simulations of the same. Model simulations will be constrained with available experimental data to estimate the underlying kinetic parameters of the model.

## **Essential Qualifications & Experience:**

B.Tech/M.E/M.Tech in Chemical/Biochemical/Mechanical Engineering; M.Sc in Physics selected through a process described through any one of the following:

a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.

b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

## **Job Profile:**

Candidate must have an experience in solving ODEs. Good programming skills, preferably in MATLAB desired. Interest in learning basic biology needed.

## **Pay Details:**

Consolidated salary Rs.31000/- p.m. + HRA

## **General information:**

The position is temporary for a period of 1 year and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the

interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: [recruit@ircc.iitb.ac.in](mailto:recruit@ircc.iitb.ac.in)