



**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY**  
WAKNAGHAT, P.O. – WAKNAGHAT,  
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)  
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(Established by H.P. State Legislature vide Act No. 14 of 2002)



## **Call for JRF/SRF Position for DBT-Funded Project**

Applications are invited for **JRF/SRF positions** under a prestigious research project sanctioned by **DBT, Government of India:**

**Project Title:**

*“Machine learning-driven inhibitor identification, molecular dynamics, polymorphism analysis, and cell-based validation of the identified SMYD3 inhibitors in Colorectal Adenocarcinoma cell lines”*

**Host Institute:** Jaypee University of Information Technology (JUIT), Wagnaghat, Solan, Himachal Pradesh, India in collaboration with **ICGEB, New Delhi.**

**Project Duration:** 3 years

This project offers an excellent opportunity to work at the interface of **machine learning, computational biology, structural bioinformatics, molecular dynamics, and wet-lab validation** for developing novel therapeutic strategies against **Colorectal Adenocarcinoma**.

**Position:** JRF / SRF (as per DBT guidelines)

**Essential Qualification:**

M.Sc. / M.Tech. in any of the following or related disciplines:

- Bioinformatics, Computational Biology, Biotechnology Or closely related life science / computational fields

**Desirable Skills (one or more of the following):**

- Experience in **machine learning / deep learning** (Python, R, relevant libraries)
- **Structural bioinformatics**, protein–ligand interaction analysis, **Molecular modeling** and **molecular dynamics simulations**
- Prior exposure to **cancer biology / drug discovery / cheminformatics**

Motivated candidates with a strong inclination towards **research, publications, and pursuing a Ph.D.** are especially encouraged to apply.

**How to Apply:**

Interested candidates may send their **CV/resume** (with contact details, educational qualifications, research experience, and publications, if any) through email to:

**Prof. Tiratha Raj Singh, PI**

Centre of Healthcare Technologies and Informatics (CEHTI),

Department of Biotechnology and Bioinformatics

Jaypee University of Information Technology (JUIT), Solan, H.P. - 173234

**E-mail:** [tiratharaj.singh@juitsolan.in](mailto:tiratharaj.singh@juitsolan.in); Mob: 8091004695

**Note:** Only shortlisted candidates will be informed for the interview (offline as per institute norms). No TA/DA shall be given to attend the interview. Last date for application is 25<sup>th</sup> December, 2025.