



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(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

Associate Dean (Innovation)

Coordinator, 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; 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 20th July, 2026.