



IIT Mandi iHub & HCi Foundation
Technology in Harmony with Human Needs

**ADVERTISEMENT
FOR
POST-DOCTORAL FELLOWSHIP
AT
IIT MANDI IHUB AND HCi FOUNDATION
A Section – 8 Company
Location – IIT Mandi Campus**

About IIT Mandi iHub and HCi Foundation: **About iHub:** IIT Mandi iHub and HCi Foundation (iHub) is a section 8 company established under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS). The focus area of IIT Mandi iHub is **“Human-Computer Interaction.”** The vision of the iHub is to be an internationally recognized hub that nurtures HCi research, enables technology translation for industry, and scales skill development. The four areas of IIT Mandi iHub are Research and Technology Development, Skill Development, Incubation & Acceleration, and Collaboration. For more information, visit www.ihubiitmandi.in

Applications are invited for the position of Postdoctoral Fellowship

Apply Here: <https://form.typeform.com/to/UJGQ0Cj9>

The Role

We are seeking a highly motivated Postdoctoral Fellow to conduct research at the intersection of computational biology, genomics, and AI-driven drug discovery. The selected candidate will develop advanced machine learning and AI algorithms for analyzing genomic, proteomic, and chemical datasets, with the goal of accelerating therapeutic discovery and understanding complex biological systems. This role involves close collaboration with interdisciplinary teams, including biologists, chemists, pharmacologists, and data scientists, to translate computational insights into actionable biological and therapeutic outcomes.

Responsibilities:

- Develop and implement machine learning, deep learning, and AI models for applications such as drug-target interaction prediction, genomic variant interpretation, biomarker discovery, and pathway analysis.
- Work with large-scale biological datasets (genomic sequences, transcriptomics, proteomics, chemical libraries, etc.), performing data preprocessing, integration, and quality control.
- Design experiments and computational pipelines to generate actionable insights for drug discovery or functional genomics studies.
- Collaborate with experimental biologists and chemists to validate model predictions and ensure biological relevance.
- Publish findings in high-impact journals and present at conferences.
- Contribute to grant proposals, technical reports, and project documentation.
- Mentor graduate students and support ongoing research projects.

Essential Qualification:

- PhD in Computational Biology, Bioinformatics, Genetics, Systems Biology, Chemistry, Computer Science, or a closely related field.
- Strong background in machine learning/deep learning frameworks (e.g., PyTorch, TensorFlow, scikit-learn) and data-driven biology.
- Demonstrated research record with peer-reviewed publications in genomics, drug discovery, or computational biology.
- Experience working with biological datasets (genomic, transcriptomic, proteomic, chemical) and understanding of experimental/clinical workflows is preferred.
- Strong programming skills (Python, R, or C++) and experience with high-performance computing or GPU-based training.
- Excellent communication skills and ability to work in interdisciplinary research environments.

Workplace: IIT Mandi iHub HCl Foundation in IIT Mandi Campus.

Duration and continuation: The fellowship will be awarded for one year, with the possibility of extension based on performance (maximum 2 years). An internal review committee will evaluate the fellow at regular intervals.

Remuneration:

Particulars	Monthly
Fellowship	INR 70,000/- INR 80,000 per month based on experience
Contingency Grant	INR 15,000/- (Rupees Fifteen Thousand only) per month.

Terms/Instructions:

1. Only shortlisted candidates will be contacted/informed through email/phone.
2. IIT Mandi iHub and HCl Foundation reserves the right to fill up the post, not to fill up the position or cancel the advertisement in whole or part without assigning any reason. The company also reserves the right to limit the number of candidates to be called for written tests/or interviews. The decision of the company in this regard will be final.
3. Documentary evidence of all educational and professional qualifications will be required to be produced when specified.
4. The company can verify the antecedents or documents submitted by a candidate before the appointment, at the time of appointment, or during the tenure of the service. In case it is detected that the documents submitted by the candidates are fake or the candidate has clandestine antecedents/background and has suppressed the said information, then their services shall be terminated.
5. If it is found later that any information given in the application is incorrect/false, the candidature/ appointment is liable to be cancelled/terminated.
6. **The applications will be considered till the post is filled.**
7. Interviews would be conducted in online/ offline mode, where there may be multiple rounds of interviews.
8. The decision of the selection committee regarding the interview logistics and selection process for the post will be final. The selection committee reserves the right to fill or not fill the advertised post. For any additional clarifications/information.

Contact us: IIT Mandi iHub and HCl Foundation, IIT Mandi, North Campus, Kamand, District Mandi, Himachal Pradesh 175005.

Email: hr@ihubiitmandi.in

Website: www.ihubiitmandi.in

Note: All applications should be routed through the application link provided for each position in the advertisement. Email us only in case of questions.