



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY
DELHI

Tenure Track Faculty Positions in Center for Computational Biology

www.iiitd.ac.in/careers/faculty

About IIIT-Delhi:

IIIT-Delhi (www.iiitd.ac.in) is an Autonomous Institute created by Govt. of Delhi with a mission to become a world-Class R&D led Institution in IT and allied areas. It offers one of the most vibrant and exciting academic environments in India and is an ideal place for a young researcher who wishes to work in India in these exciting times. It has recruited over 60 faculty members in last 8 years, mostly holding PhD from US and Europe, and has built strong research groups in areas like Security, Biometrics, Mobile Computing, Data Management, Software Engineering, etc. The Institute has a Centre for Computational Biology, which it aims to strengthen in the next two years.

How to Apply?

For applying, send an email with CV (with names of at least three references), a research statement, and a teaching statement indicating the core and advanced courses of interest to:

faculty-applications@iiitd.ac.in

Please put the subject as "Faculty position in CB at IIIT-Delhi".

Eligibility:

The ideal candidate will have a PhD from a top Institution in India or abroad, perhaps some post doc experience, good research and publication track record, and show future potential. We seek candidates grounded in some of the core areas of Computational Biology, who are driven by emerging systems applications, have the capability to independently drive a research program, and provide innovation and quality teaching at both the undergraduate and graduate levels.

Areas of Interest

The institute is building a strong research group in Computational Biology. A Center for Computational Biology has been established as a part of this effort. The Center is being mentored and advised by Prof. Srinivas Aluru of Georgia Institute of Technology, and headed by Prof. G.P.S. Raghava, IIIT-Delhi. To expand further, the Institute is looking for tenure-track faculty in diverse areas of Computational Biology that broadly includes:

- **Health Informatics:** Biomedical Informatics, Pharmacoinformatics, Cheminformatics, Genomics, Metagenomics, Proteomics, Next-Gen Sequencing, Single Cell Genomics and Personalized Medicine, RNA-seq, Genome Organization and Evolution, Comparative and Functional Genomics, Structural Bioinformatics, Machine Learning etc.
- **Systems Biology:** Molecular Modelling, Bio-simulation, Biostatistics, Statistical Genetics, Epidemiology, Statistical Analysis of Big Data, Infectious Diseases, Complex Diseases, Biomarker Data Analysis, Bayesian Statistics and Statistical Computing, etc.

The ideal candidates that we look for is the one who is theoretically inclined and have strong interest in applying mathematical, statistical, algorithmic and programming skills to understand small and large scale biological systems. Candidates must have demonstrated potential to carry out independent research and have a good track record of publishing in high impact factor journals of international standing.

Research, Innovation, and Development

The Institute puts strong emphasis on research, innovation and development to create impact through published papers, projects, and technology development. It strongly focuses on graduate education via the PhD program (various policies to attract PhD students have already yielded about 150 scholars in eight years). It also extends significant support for initial career development via initiation research grant, support for international conference travel, professional society membership, and encouragement of continuing collaborations with foreign partner institutions (with options for short-term leave support). It has implemented systems of yearly appraisal/feedback and a tenure process to help faculty members aim high and create an institute whose reputation is benchmarked against international standards.

Education

The Institute aims to provide excellent education. The Institute has a B.Tech (Minor), M.Tech and PhD programs in Computational Biology (<http://ccb.iiitd.ac.in>). The M.Tech program in Computational Biology will focus on generating versatile graduates equipped with modeling and algorithmic skills, in addition to application. Coursework will emphasize algorithmic, mathematical, computational and programming rigor as well as conceptual understanding of biochemical/biophysical systems, genetics, cell and molecular biology.

Compensation and Quality of Life

The Institute provides a compensation (CTC) of over Rs.1.70 lac/month for a starting Asst. Prof. and allows a faculty member to supplement it through research grants, summer sabbaticals in R&D labs/companies, consultancy, etc. The campus is situated in Okhla, Phase-III, with a Metro station within ½ km, with modern, good quality and spacious accommodation for faculty.

Schedule:

For applying: Anytime-applications processed regularly.

Technical Seminar: On a mutually convenient date; often when the candidate is visiting India. E-seminar also possible.

Interaction with Selection Committee: Held regularly, every few months.