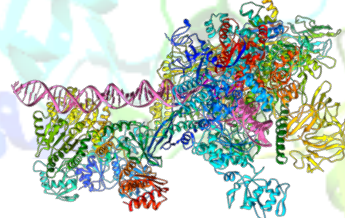





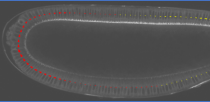
# Biological Big Data Analysis

One day Symposium, 7 Nov 2025



Organised by Center for High-Performance Computing (CHPC), IISER Thiruvananthapuram

Venue : BSB Seminar Hall, IISER TVM

<b>Overview</b> 	The Center for High Performance Computing (CHPC, <a href="https://hpc.iisertvm.ac.in/">https://hpc.iisertvm.ac.in/</a> ) is an interdisciplinary core facility for scientific computing and research on parallel algorithms at IISER-TVM. It is a multi-disciplinary research center based on High Performance Computing and the main aim is to pursue cutting-edge research in all areas of science and technology. The one day annual symposium organised by CHPC will benefit the research community in the area of Big Data Analysis.
<b>Who are eligible to attend the symposium?</b> 	<ul style="list-style-type: none"><li>Bachelors and Masters students, PhD-students and postdoctoral fellows who are interested in Biological Big Data Analysis. Students should show that the symposium will be useful in their current research project.</li><li>Faculties/researchers from reputed academic/technical institutions and private/government organisations including R&amp;D laboratories who are working or interested in biological big data analysis.</li></ul>
<b>Registration and Fees</b>	There is NO Registration fees. But all participants have to register at the google form link : <a href="https://forms.gle/zUgVPPKSGWDu39176">https://forms.gle/zUgVPPKSGWDu39176</a> . Maximum 200 eligible participants will be accepted based on first come first basis. Last date for registration is 2 Nov 2025. Selected participants will be intimated by email on 3 <sup>rd</sup> Nov 2025. Participants have to make their own arrangements to reach IISER-TVM on 7 <sup>th</sup> November 2025 morning before 9:00 am. Lunch, tea/coffee will be provided for all participants.

Time	Program Schedule
8:30 am – 9:00 am	Arrival and Registration
9:30 am	Inauguration by Honourable Director <i>Professor J. N. Moorthy</i>
10:00 am – 11:00 am	Talk 1 – <i>Dr. Manjari Kiran, University of Hyderabad, Hyderabad</i>
11:00 am – 11:30 am	Tea – Coffee Break
11:30 pm – 12:30 pm	Talk 2 – <i>Dr. Bratati Kahali, IISc, Bangalore</i>
12:30 pm – 2:00 pm	Lunch Break
2:00 pm – 3:00 pm	Talk 3 – <i>Dr. Bandan Chakraborty, IISER-TVM, Thiruvananthapuram</i>
3:00 pm – 3:30 pm	Tea – Coffee Break
3:30 pm – 4:30 pm	Talk 4 – <i>Prof. Andrew M Lynn, JNU, New Delhi</i>

## Speakers



Dr. Manjari Kiran is an assistant professor at Dept. of computational and systems Biology, School of Life Sci., University of Hyderabad. The overarching goal of her research lab is to characterize various types of non-coding RNAs and understand the role of RNA modifications in their transcript complexity, translation, splicing and regulation. Her group develops scientific tools for next-generation sequencing data analysis, bioinformatics prediction, and characterization of molecular players in human health and disease.



Dr. Bandan Chakraborty is an Assistant Professor and Principal Investigator of the Theoretical and Computational Biology Lab at IISER Thiruvananthapuram. His lab research integrates biophysics and high-performance computation to uncover the physical principles of morphogenesis. Skilled in C++, Python, and advanced modeling frameworks, he develops predictive models that connect cellular mechanics with tissue-scale organization.



Dr. Bratati Kahali is an Associate Professor at the Centre for Brain Research, Indian Institute of Science, Bangalore. As a computational biologist focusing on human genetics and genomics, with special emphasis on whole genome and whole exome sequencing analyses, her lab research broadly examines the role of genetic variants in shaping our inherited traits and determining our predisposition to complex diseases, especially type 2 diabetes, dyslipidemia, cognition and neurodegeneration.



Prof. Andrew M. Lynn is a Professor at School of Computational and Integrative Sciences, Jawaharlal Nehru University. His lab's current focus is on analysis of high-throughput data from biological experiments, Automated Protein Functional Annotation, NGS data analysis, Biocomputing, CyberInfrastructure and Cloud Computing, Molecular Dynamic Simulations and Free Energy Calculations using Gromacs, Data mining in Chemoinformatics.



### Chief Patron

**Professor J. N. Moorthy, Director, IISER TVM**

### Organising Committee

**Dr. Bandan Chakraborty, Dr. Sanu Shameer, Dr. Sabari Sankar Tirupathy, Professor Nishant KT and Dr. Ramanathan Natesh**

**For any queries please reach us at**

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**Land line number : +91 (0)471 2778179**