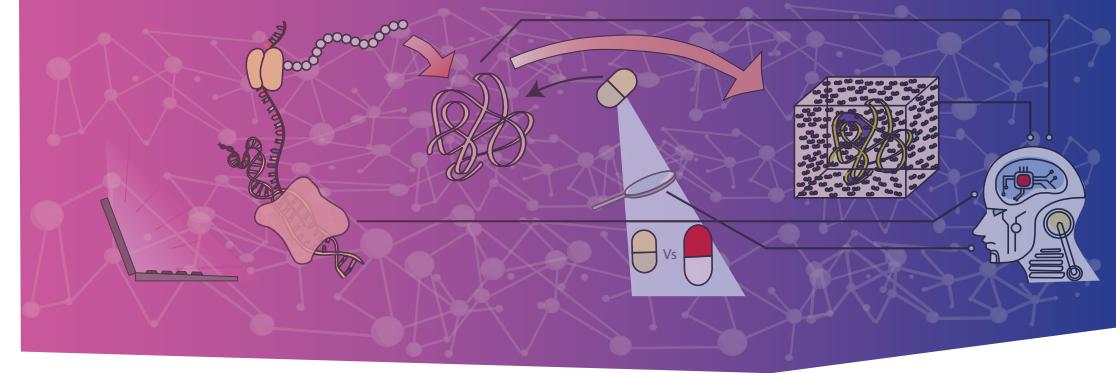


Poster Presenters

Adhil Ahmed
Aishwarya Murali
Ajay Subbaroyan
Ajaya Kumar Sahoo
Kundhanathan R
Manasa C
Muthuarunachalam S
Nikhil Chivukula
Nilesh Anantha Subramanian
Pratyay Sengupta
Priyotosh Sil
Sabenabano Abdulkadhar

Sai Shyam
Shanmuga Priya B
Shradha Sharma
Siddharth Betala
Sreejith N
Suchetana Mitra
Sudha Govindarajan
Tejas Mahesh Kale
Trilochanaa M
Venkatesh Kamaraj
Vijay Suryakant Kapse



Contemporary Perspectives in Computational Biology

19 - 20 February 2024

Funding

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Organisers

Areejit Samal (IMSc Chennai)
Meiyappan Lakshmanan (IIT Madras)

Student Volunteers

Madhumita Mondal
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Partner



Webpage



The Institute of Mathematical Sciences (IMSc), Chennai

Designed by Madhumita Mondal and Shanmuga Priya B

Invited speakers

Sherry Bhalla (IGIB Delhi)	Bratati Kahali (IISc Bengaluru)
Sriram Chandrasekaran (Univ Michigan)	Sudip Kundu (University of Calcutta)
Sreenivas Chavali (IISER Tirupati)	Meiyappan Lakshmanan (IIT Madras)
Sandeep Choubey (IMSc Chennai)	Manikandan Narayanan (IIT Madras)
Anshuman Dixit (ILS Bhubaneswar)	Karthik Raman (IIT Madras)
Zhumur Ghosh (Bose Institute Kolkata)	Rahul Siddharthan (IMSc Chennai)
Dinesh Gupta (ICGEB Delhi)	Ashutosh Srivastava (IIT Gandhinagar)
Sanjay Jain (University of Delhi)	Pankaj Yadav (IIT Jodhpur)

Early career speakers

Ajaya Kumar Sahoo (IMSc Chennai)
Pavan Kumar S (IIT Madras)
Shakti Menon (IMSc Chennai)
Nikhil Chivukula (IMSc Chennai)
Srijith S (IIT Madras)



Venue

Ramanujan Auditorium
The Institute of Mathematical Sciences (IMSc)
Chennai, India

Conference Schedule

19 February 2024

0930-1025	Registration / Poster Session
1025-1030	Opening Remarks
1030-1105	Rahul Siddharthan Modelling fetal growth and predicting birth outcomes
1105-1125	Shakti Menon Contact-mediated interactions can enhance boundary precision during developmental tissue patterning
1125-1150	Coffee & Poster session
1150-1225	Karthik Raman Algorithmic Adventures in Microbial Ecosystems: Disentangling Complexities with Metabolic Modelling
1225-1300	Sherry Bhalla Multi-omics integration to identify distinct genetic and clinically relevant subgroups in Multiple Myeloma Patients
1300-1400	Lunch / Poster session
1400-1435	Anshuman Dixit Identification of targeted leads for Oral cancer using computational biology techniques
1435-1510	Sreenivas Chavali Design principles underlying functionality of proteins with amino acid repeats
1510-1545	Coffee & Poster session
1545-1605	Srijith S Beyond solo acts: Temporal omics reveal how SNPs collectively shape a complex trait
1605-1640	Meiyappan Lakshmanan Systematic assessment of probiotic potentials through a computational approach
1640-1715	Sudip Kundu Unraveling plant leaf metabolism
1715-1845	High Tea & Poster Session
1845-1905	Nikhil Chivukula Beyond observations, Towards solutions: Computational Biology as a key to unravelling environmental health impacts
1905-1940	Sanjay Jain Understanding balanced growth and exponential trajectories of bacterial cells
1940-2100	Conference Dinner

20 February 2024

0900-0945	Coffee & Poster session
0945-1020	Manikandan Narayanan A method to discover non-linear causal relations among genes
1020-1055	Zhumur Ghosh Predictive Approaches involving Coding and the Noncoding World: Shaping modern day therapeutics
1055-1115	Pavan Kumar S SprintGapFiller: Efficient Gap-Filling Algorithm for Large-Scale Metabolic Networks
1115-1145	Coffee & Poster session
1145-1220	Dinesh Gupta Machine learning aided discovery of potential biomarkers for cancer diagnosis and prognosis
1220-1240	Ajaya Kumar Sahoo From Bench to Bytes: Prediction of Bacterial Type 9 Secretion System and Associated Functionalities
1240-1315	Bratati Kahali Genetic architecture of human cognition in diverse populations: lessons for dementia
1315-1415	Lunch / Poster session
1415-1450	Ashutosh Srivastava Molecular insights into mammalian circadian regulation
1450-1525	Sandeep Choubey Deciphering the role of DNA sequence on protein-DNA co-condensation
1525-1545	Coffee & Poster session
1545-1620	Pankaj Yadav Gene-Environment Interactions in Complex Diseases
1620-1655	Sriram Chandrasekaran Drug discovery using Systems biology and AI
1655-1700	Closing Remarks