

Genomics India

12 - 14 August, 2025
JN Tata Auditorium, IISc, Bengaluru

Theme
The Indian Genomics Journey

PROGRAM

In association with



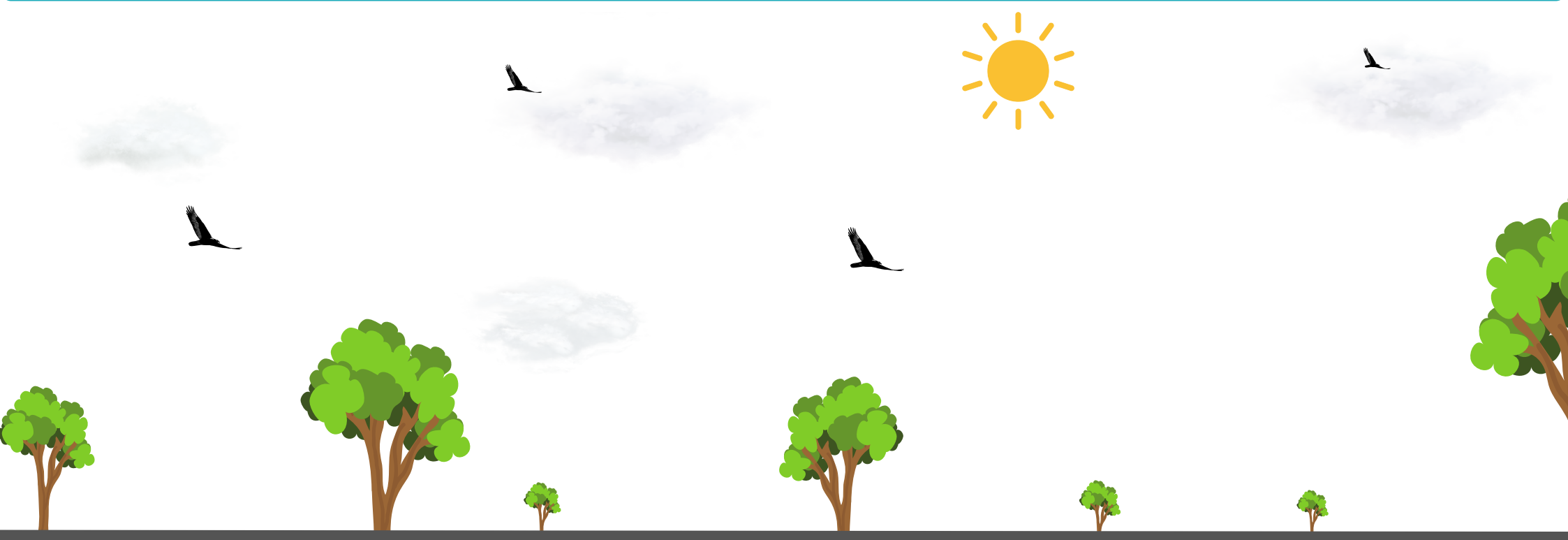
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12th AUGUST PROGRAM



Hall A

NGS Analysis & Genome Informatics Program
8:30 AM - 5:30 PM



Hall B -Mini Symposium

Biology in AI Era - A paradigm shift

Upskilling researcher Investigators for the AI World
2:00 PM - 5:00 PM



Hall C - Mini Symposium

Think Tank: Workshops by Genomics & Allied
Technology Firms (Industry-led sessions)
2:00 PM - 5:00 PM



GIC 2025 - NGS PROGRAM (HALL A)		
AUG 12TH	TOPIC	SPEAKER
8:00 AM	Registration - collect the badges at registration desk	
8:30 - 9:15 AM	Inaugural Lecture: Navigating the Genomic Frontier: Unveiling Next-Generation Sequencing Essentials	Dr Raja Mugasimangalam , <i>Genotypic Technology</i>
9:15 - 10:00 AM	Basics of NGS Data Analysis Denovo assembly and Gene prediction	Mr Nihar Bachan Das , <i>Genotypic Technology</i>
10:00 - 10:45 AM	NGS data analysis without commandline	Dr Raja Mugasimangalam & Dr Meenal Vyas <i>Genotypic Technology</i>
10:45 - 11:00 AM	Tea Break	
10.00 - 11:45 AM	Unfolding an Epigenome with the revolutionary native molecule Nanopore Sequencing Technology	Dr Meenal Vyas , <i>Genotypic Technology</i>
11:45 - 12:15 AM	Insights into Transcriptome and Small RNA data analysis	
12:15 - 12:45 PM	The Long and Short of sequencing	
12:45 - 1:15 PM	Unveiling Genomic Complexity: Insights into Precision Alignment, Variant Calling And Variant Annotations	
1:15 - 2:00 PM	Lunch	
2:00 - 2:45 PM	NGS For Biopharma and Vaccine Industry	Dr Sudha Rao , <i>Genotypic Technology</i>
2:45- 3:30 PM	Alignment to Variant Calling and Reporting	Mr Nihar Bachan Das , <i>Genotypic Technology</i>
3:30 - 4:00 PM	Insights Into The Microbiome Analysis Using NGS Data	Ms Garima Sanoria , <i>Genotypic Technology</i>
4:00 - 4:30 PM	NGSA Test (Closure of NGSA), Discussion & Results	
4:30 - 5:15 PM	Solving Biological Problems through Protein and Genome Sequence Analysis (Public talk - Open to all)	Prof Samir K Brahmachari <i>Founder Director CSIR- IGIB</i> <i>Former Director General, CSIR</i>
5:15 - 5:30 PM	NGSA Workshop Prize Distribution	Dr Raja Mugasimangalam Prof Samir K Brahmachari
5:30 - 6:00 PM	High Tea	
6:15 PM	INAUGURATION IN HALL - A	
	Welcome address: Genotypic and IISc Inaugural dignitaries: Prof. G. Rangarajan - Director, IISc Prof Samir Brahmachari , Founder Director CSIR - IGIB Prof Narahari , IISc Prof Debnath Pal , CDS, IISc Patron's Address: Prof Samir Brahmachari , Founder Director CSIR - IGIB GIC Evolution: Dr Raja Mugasimangalam , Founder & CEO Genotypic Technology Keynote Address by Chief Guest: Dr Rajesh S Gokhale , Secretary DBT Vote of thanks: Dr Sudha Rao , Co Founder and Executive Director, Genotypic Technology	
7:30 PM	Dinner	

GIC 2025: HALL A: MINI SYMPOSIUM: BIOLOGY IN AI ERA - A PARADIGM SHIFT Upskilling researcher Investigators for the AI World Dr Raja, Dr Debnath Pal, Samir Dhanrajani, Vicky			
FEB 1	TOPIC	SPEAKER	
2:00 - 5:00 PM	Biology in AI Era - A paradigm shift Upskilling researcher Investigators for the AI World		
GIC 2025: HALL THINK TANK WORKSHOPS BY GENOMICS & ALLIED TECHNOLOGY FIRMS (INDUSTRY-LED SESSIONS) Dr Raja, Aiyaz			
FEB 1	TOPIC	SPEAKER	
2:00 - 5:00 PM	Think Tank: Workshops by Genomics & Allied Technology Firms (Industry-led sessions)		



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13th AUGUST PROGRAM

→ **Main Hall**
9:00 AM - 7:00 PM

→ **Hall B**
11:00 AM - 6:00 PM



13 TH AUGUST	MAIN HALL	HALL B
9:30- 11:00 AM	Session 1- GenomeIndia Project	XXXXXXXXXXXX
	Prof Samir K Brahmachari (Chair) Founder Director CSIR - IGIB, Former Director General CSIR	
	Dr K Thangaraj, CSIR - CCMB	
	Dr Mohammed Faruq, CSIR - IGIB	
	Dr Bratati Kahali - CBR, IISc	
	Dr Harsh Seth - FRIGE	
	How to make data available for public Dr Richi Mahajan - DBT	
11:00 - 11:15 AM	Tech Talk 1:	
11:15 - 11:45 AM	Tea Break & Networking	
11:45 - 1:15 PM	Session 2 - Plant Genomics (Rice, Cotton, etc.)	Session 3 - Genomeinformatics - Insights into its database and applications
	Chair: Dr Mukesh Jain - JNU	Chair: Dr Chirag Jain - CDS, IISc
	Dr Jogeswar Panigrahi - Berhampur University	Dr Chandrika Bhattacharyya - BRIC - NIBMG
	Dr Mukesh Jain - JNU	Dr Debnath Pal - CDS, IISc
	Dr Gitanjali Yadav - NIPGR	Dr Abhishek - Abioteqnet
	Genomics Assisted Plant Breeding Dr Sunil Kumar - Corteva	Dr Prashanth S.R - EQ.ai
	Exploring the Anthropogenic Footprints on the Antibiotic Resistome Diversity in Mangrove Ecosystems of India Lightning Talk: Dr Ranjith Kumavath - Pondicherry University	
1:15 - 1:30 PM	Tech Talk 2:	Tech Talk 3: Advancing Precision Medicine in India Dr Parima Desai - IQVIA
1:30 - 2:30 PM	Lunch + Poster & Networking	
2:30 - 4:00 PM	Session - 4 Wellness and Longevity Genomics	Session - 5 Multiomics session
	Chair: Dr Ajay Potluri	Chair: Dr Dharmalingam - AMRF
	PhenomeIndia Dr Shantanu Sengupta - CSIR - IGIB	Dr Utpal Tatu - IISc
	Dr Mithali Mukherjee - IIT Jodhpur	Structure-guided medical genomics Dr Lipi Thukral - CSIR - IGIB
	Dr Bala Pesala - Ayur.ai	Dr Debasis Dash - DBT - ILS
	Dr Srimonta Gayen - IISc	Dr Caroline - Somalogic, Standard Biotoools
	Lightning Talk	Lightning Talk
4:00 - 4:30 PM	Tea Break , Poster & Networking	
4:30 - 6:00 PM	Session 6 - Special Initiatives (Pangenomes, Metagenomics, Immunology)	Session 7 - Special Session: Digital Health and AI
	Chair:	Chair: Dr Sharad Sharma - iSpirit
	Dr Uma Ramkrishna - NCBS	Dr Raghu Dharmaraju - ARTPARK
	Dr Asif Mohammed - ICGEB	Dr Siddharatha Bhattacharya - NATHealth
	Dr Ashwin Kumar Jainarayanan - Stanford and Oxford	
	Dr Annapurna Vyakarnam - SJRI	
	Lightning Talk: Dr Indranil Chattopadhyay - TNAU	
6:15 - 7:00 PM	Keynote: Piero Carninci RIKEN Center for Integrative Medical Sciences, Japan	Please move to Main Hall
7.30 PM	Gala Dinner	
	Continued – Day 2	



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14th AUGUST PROGRAM



Main Hall

9:00 AM - 6:30 PM



Hall B

9:30 AM - 5:00 PM



14 TH AUGUST	MAIN HALL	HALL B
9:00 - 11:00 AM	Session 8- Microbial & Bacterial Genomics (MTB AMR,Bioremediation), Fungal Genomics (Pathogens & Beneficial),	Session 9 - Omics For Deeper Biological Insights
	Chair:	Chair:
	Dr SivaKumar - NIRT Chennai	Dr Gaurav Ahuja - IITD
	Pioneering Pathogen Genomics in India: pugmarks, trails and footprints Dr Niyaz Ahmed - UOH	Spatial Genomics Dr Sanjeev Galande - SNU
	Dr Tavpritesh Sethi - IIITD	Dr Abdul Jaleel - RGCB
	Functional genomics of human fungal pathogens Dr Kaustuv Sanyal - Bose Institute	Dr Sushmitha T J - NIOT
	Dr Ruchi Jain - BITS Hyderabad	
11:15 - 11:45 AM	Tea Break	
12:00- 1:00 PM	Session 10 - Panel: Precision Oncology - clinical genomics, indian variations observed and implications	Session 11 - RNA Biology
	Chair: TBA	Chair: TBA
	Dr Mayur Parihar - TMC, Kolkata	RNA methylome of clinical Plasmodial isolates Dr Ashis Das - BITS Pilani
	Dr B S Ajaikumar - HCG	Dr Dasaradhi Palakodeti - InStem
		Dr Kumar Somasundaram - IISc
		Dr Arumugam Kumaresan - ICAR - NDRI
1:00 - 2:30PM	Poster session + Lunch & Networking + Exhibits	
2:30 TO 4:00 PM	Session 13 - Big Data Analytics and AI (Ownership - Dr Pal)	Session 14 - Sequence to functions
	Chair: TBA	Chair: Lakshmi B R
	Sanchit Mishra - Intel Lab	Dr Rakesh Mishra - TIGS
	Dr Debarka Sengupta - IIITD	WGCNA uncovers molecular markers of insulin resistance in children with type 1 diabetes Dr Satyajeet Khare - Symbiosis International University
	Dr Karthik Raman - IITM	DNA Repeat Instability in Neuropsychiatric Illness. Dr Meera Purushottam - NIMHANS
		Dr Meetali Singh - IISc
4:00 TO 4:30 PM	Tea Break	
4:30 TO 5:15 PM	Keynote Speaker - Dr Rangaraj Selvarangan Director - Microbiology Laboratory, CMH, Kansas City	Please move to Main Hall
5:15 TO 6:00 PM	Valedictory Address: Shahidhara, NCBS Director Parting thoughts: Dr Sudha , Co Founder and ED, Genotypic Technology Awards Distribution	