

Genomics India

1 - 3 February, 2024

Shiv Nadar Institution of Eminence, Delhi-NCR

Theme
Harnessing Genomics For A Sustainable Future

PROGRAM

Hosted By

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February 1st - 3rd, 2024
Shiv Nadar Institution of Eminence
Delhi-NCR

India's Premier Genomics Conference

Join us at GenomicsIndia Conference, GIC2024 as we unlock genomics potential for a more sustainable future. The three-day genomics conference is set to be a dynamic gathering, uniting key players from diverse sectors, including industry, academia, and research. This event is designed to serve as a knowledge-sharing hub, offering a platform for insightful discussions on the latest trends and breakthroughs in the field of genomics.

Throughout the conference, attendees can anticipate a deep dive into cutting-edge research that showcases the forefront of genomics technologies. The primary focus will be on disseminating groundbreaking discoveries and innovations in this rapidly evolving domain.

GIC 2024 promises an unparalleled opportunity for engagement & networking. Attendees will have the chance to connect with industry luminaries, visionaries from the academic sphere, as well as representatives from both startups & established profit and non-profit organizations including Mincorns, Soonicorn, Unicorns, Decacorns & Hectocorns within the biotech sector.

Shiv Nadar Institution of Eminence, Genotypic Technology, Dhitiomics Technologies and QTLomics Technologies looks forward to welcoming you to this Gateway of "Harnessing Genomics for a Sustainable Future"





1 - 3 February, 2024

Shiv Nadar Institution of Eminence, Delhi-NCR

Theme

Harnessing Genomics For A Sustainable Future

FEB - 1

PROGRAM



C - Block (Hall - C021)

NGS Analysis & Genome Informatics Program

8:30 AM - 5:30 PM



Hall - D128

AMR Satellite Program

2:00 PM - 5:00 PM



GIC 2024 - NGS PROGRAM (C BLOCK)		
FEB 1	TOPIC	SPEAKER
8:00 AM	Registration - collect the Badges outside C021 registration desk	
8:30 - 9:15 AM	Inaugural Lecture: Navigating the Genomic Frontier: Unveiling Next-Generation Sequencing Essentials	Dr Raja Mugasimangalam Genotypic Technology
9:15 - 10:00 AM	Basics of NGS Data Analysis Denovo assembly and Gene prediction	Mr Nihar Bachan Das Genotypic Technology
10:00 - 10:45 AM	NGS data analysis without commandline	Dr Raja Mugasimangalam & Dr Meenal Vyas Genotypic Technology
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 Genotypic Technology
11:45 - 12:15 AM	Insights into Transcriptome and Small RNA data analysis	Dr Rohini Garg SNIoE
12:15 - 12:45 PM	The Long and Short of sequencing	Dr Vipin Singh Founder - Dr Vipin's Classroom
12:45 - 1:15 PM	Unveiling Genomic Complexity: Insights into Precision Alignment, Variant Calling And Variant Annotations	Dr Deeksha Bhartiya Founder - Genomiki Solutions
1:15 - 2:00 PM	Lunch	
2:00 - 2:45 PM	NGS For Biopharma and Vaccine Industry	Dr Sudha Rao Genotypic Technology
2:45- 3:30 PM	Alignment to Variant Calling and Reporting	Mr Nihar Bachan Das Genotypic Technology
3:30 - 4:00 PM	Insights Into The Microbiome Analysis Using NGS Data	Ms Garima Sanoria Genotypic Technology
4:00 - 4:30 PM	NGSA Test (Closure of NGSA), Discussion & Results	Dr Rohini Garg, SNIoE Team of all trainers
4:30 - 5:15 PM	Solving Biological Problems through Protein and Genome Sequence Analysis (Public talk - Open to all)	Prof Samir K Brahmachari Founder Director CSIR- IGIB Former Director General, CSIR
5:15 - 5:30 PM	NGSA Workshop Prize Distribution	Dr Raja Mugasimangalam Prof Samir K Brahmachari
5:30 - 6:00 PM	High tea at G Block	
6:15 PM	INAUGURATION IN G-BLOCK HALL	
	Welcome address: Dr Sanjeev Galande, Dean School of Life Sciences, SNIOE	
	Inaugural dignitaries: Prof Samir K Brahmachari, Former Director General CSIR Prof Krishnamurthy Kannan, Proprietor KK Biotech	
	Patron's Address: Mr Shikhar Malhotra, Chancellor Shiv Nadar Institution of Eminence, Director HCL Corporation Dr Ananya Mukherjee, Vice-Chancellor, Shiv Nadar Institution of Eminence, Delhi NCR	
	GIC Evolution: Dr Raja Mugasimangalam, Founder & CEO Genotypic Technology	
7:30 PM	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 2024 - AMR SATELLITE PROGRAM (HALL NUMBER D-128)		
TITLE: AMR IN THE GENOMICS ERA GENOMIC SURVEILLANCE AND PREDICTION OF ANTI MICROBIAL RESISTANCE		
FEB 1	TOPIC	SPEAKER
2:00 - 5:00 PM	Genomic surveillance and prediction of anti microbial resistance	Organizer: Dr Krishna Jayadev, <i>SNIoE</i> Chair: Dr Manoj Kumar, <i>CSIR - IMTech</i> Co-Chair: Dr V Udhayakumar <i>Program Director, Emory University and Task Force for Global Health (Atlanta), USA</i> Dr Shraddha Karve, <i>Ashoka University</i> Dr Praveen Bharti <i>NIMR, New Delhi</i> Dr Ashish Das, <i>BITS, Pilani</i> Dr Neeraja Venkateswaran, <i>Tetracore, Inc, Maryland</i> Dr Kanchan Bhardwaj, <i>Manav Rachana, Faridabad</i> Dr KH Reeta, <i>AIIMS, New Delhi</i> Mr Praveen K S, <i>PATH South-Asia Hub</i>
6:15 PM	INAUGURATION IN G-BLOCK HALL	
	Welcome address: Dr Sanjeev Galande, Dean School of Life Sciences, SNIOE Inaugural dignitaries: Prof Samir K Brahmachari, Former Director General CSIR Prof Krishnamurthy Kannan, Proprietor KK Biotech Patron's Address: Mr Shikhar Malhotra, Chancellor Shiv Nadar Institution of Eminence, Director HCL Corporation Dr Ananya Mukherjee, Vice-Chancellor, Shiv Nadar Institution of Eminence, Delhi NCR 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	



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FEB - 2

PROGRAM



C - Block (Hall - C021)

8:30 AM - 7:00 PM



G - Block

9:30 AM - 7:00 PM



FEB 2 CONFERENCE	G - BLOCK	C - BLOCK
9:30- 11:00 AM	Session 1- Revolutionizing Genomic Medicine	8:30 - 9:15 AM Nanopore live sequencing run at G Block OPEN FOR ALL
	Dr Sanjeev Galande (Chair) Dean School of Life Sciences, SNIOE	
	Dr Michael Sagner Faculty of Medicine, King's College, London	
	Dr Vijay Tiwari Prof & Head, University of Southern Denmark	
	Dr Dasaradhi Palakodeti Principal Investigator InStem, Bengaluru	
	Dr Jawahar Swaminathan Director, Informatics, Systems Integration & Interpretation - Production Scale Genomics - Oxford Nanopore Technologies	
11:00 - 11:20 AM	Tea Break	
11:20 - 12:50 PM	Session 2- Precision Oncology: Targeting Cancer with Genomic Insights	Session 3- Better Crops with Genomics based breeding
	Dr Sudha Rao (Chair) Co Founder and Executive Director, Genotypic Technology	Dr Jagadish Mittur (Chair) Honourable President - IBioM, Bengaluru
	Dr B S Ajai Kumar Executive Chairman - HCG Enterprises Ltd, Bengaluru	Dr Akhilesh K Tyagi Senior Professor, DPMB - DU - South Campus, Delhi
	Dr Natarajan Muthusamy Associate Director of Academic Affairs, OSU, USA	Dr Ajit K Shahsany Director, CSIR- NBRI, Lucknow
	Dr Jugnu Jain Co-Founder & CEO, Sapien Biosciences, Hyderabad	Dr Wolfram Weckwerth Professor - University of Vienna, Austria
	Mr Mainak Chakraborty Senior Solutions Architect, Amazon Web Services (AWS)	Dr Ravi Kumar Chilukoti Head – India Technical Support & PM, MGI Tech Co.Ltd
12:50 - 2:20 PM	Poster & Networking	
1:30 - 2:20 PM	Lunch	
2:30 - 4:00 PM	Session - 4 Synergies of AI ML and genomics: transforming data into discovery	Session -5 Lightening Talks selected from poster abstracts
	Mr Periasamy (Chair) Director QTLOmics, FSC - PAPM Pte Ltd, Singapore	Speaker 1 - 5
	Dr Shobha Vijayaraghavan Associate Director- Bio-Innovation, Accenture, Bengaluru	
	Dr Vidur Mahajan CEO - CARPL.ai, New Delhi	
	Mr Nagendrakumar S Maroor Managing Director, IKA India Pvt Ltd	
	Dr Sudhakaran Prabhakaran CEO and CSO, NonExome Inc, Massachusetts	
4:00 - 4:20 PM	Tea Break	

FEB 2 CONFERENCE	G - BLOCK	C - BLOCK
4:20 - 5:50PM	Session 6: Population genomics	Session 7- Microbial Genomics: from diversity to diseases
	Dr Ashish Das (Chair) Senior Professor, BITS, Pilani, Rajasthan	Dr Natesan Manickam (Chair) Chief Scientist & Professor CSIR-IITR, Lucknow
	Dr Thangaraj J C Bose Fellow, CSIR - CCMB Hyderabad	Dr Niyaz Ahmed Professor - University of Hyderabad, Hyderabad
	Dr Mrinalini Watsa Research Scientist, SDZWA, San Diego	Dr Royana Singh Institute of Medical Sciences - BHU, Varanasi
		Dr Luis Montaner Vice President, Scientific Operations Wistar Institute
	Dr Vinod Scaria Senior Consultant, Vishwanath Cancer Care Foundation	Dr Nitya Nand Sharma Strategic Business Unit Head - Applied Premas Lifesciences
Dr Ashwani Kumar Kamal Technical Sales Manager - New England Biolabs		
6:00 - 6:45 PM	Keynote - Dr Eric Green Director NHGRI - NIH, USA Prof Samir K Brahmachari (Chair) Former Director General CSIR	Please move to G Block
7.00 PM	Buses will leave for Gala Dinner	
7.30 PM	Gala Dinner	





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FEB - 3

PROGRAM



C - Block (Hall - C021)

9:00 AM - 5:00 PM



G - Block

9:00 AM - 6:15 PM



FEB 3 CONFERENCE	G - BLOCK	C - BLOCK
9:00 - 10:30 AM	Session 8- Emerging Next generation Sequencing data analysis methods and computational Genomics	Please move to G Block
	Dr Raja Mugasimangalam (Chair) Founder & CEO Genotypic Technology	
	Dr Mukesh Jain Professor - JNU, New Delhi	
	Dr Shailesh Kumar Staff Scientist, NIPGR, New Delhi	
	Dr Chirag Jain Assistant Professor, IISc, Bengaluru	
	Dr Shuhua Xu Distinguished Professor & Principal Investigator, Fudan University, China	
10:30 - 11:00 AM	Keynote - Dr Shiv K Sarin Director, ILBS, New Delhi Dr Rangaraj Selvarangan (Chair) Director - Microbiology Laboratory, Children's Mercy Hospital, Kansas City, USA	
11:00 - 11:20 AM	Tea Break	
11:20- 12:50 PM	Session 9- Integrative-Omics approaches - unveiling complex biological systems	Session 10- Biopharma Vaccines and Diagnostics
	Prof Krishnamurthy Kannan (Chair) Proprietor KK Biotech	Dr Radhakrishnan Nair (Chair & Speaker) Scientist F, RGCB, Kerala
	Dr Mehdi Totonchi Assistant Professor, Royan Stem Cell Institute, Iran	Dr Kar Muthumani Chief Scientific Officer, GeneOne Life Science, United States
	Dr Satyajeet Khare Assistant Professor, Symbiosis International, Pune	Mr Luan Nguyen APAC Business Manager, Vizgen Spinco Biotech
	Dr Paresh Sharma Scientist-D, NIAB, Hyderabad	Dr Divyank Mahajan Product Manager - Genomics Spinco Biotech
	Dr Prashant Srivastava Faculty, NHLI, Imperial College London, UK	-
12:50 - 2:30 PM	Poster session + Lunch & Networking + Exhibits	
2:30 TO 4:45 PM	Session 11- Epigenomics shaping genetic destiny	Session -12 Genomics Start ups and MSME
	Dr Rakesh Mishra (Chair & Speaker) Director - TIGS, Bengaluru	Ms Gunjan Sharma (Moderator) Biospectrum
	Dr Esteban Ballestar Professor, Josep Carreras Research Institute, Spain	Dr Gopalakrishna Ramaswamy Founder and CEO at theraCUES, Bengaluru
	Dr Kundan Sengupta Professor, IISER Pune	Dr Deeksha Bhartiya Founder - Genomiki Solutions, Delhi
	Dr Beena Pillai Scientist, CSIR - IGIB, Delhi	Dr Manoj Gopalkrishnan Founder & CEO Algorithmic Biologics
	Dr Sanjeev Shukla Professor - Biological Sciences IISER Bhopal, MP	Dr Anirvan Chatterjee Co-Founder & CEO, Haystack Analytics
	Dr Simona Ferraioli Application Scientist Lexogen, Vienna, Austria	Dr Aakanksha Pant Scientist and Product Manager Indus Health Plus
4:45 - 5:00 PM	Tea Break	
5:00 - 5:30 PM	Keynote Speaker - Dr Rangaraj Selvarangan Director - Microbiology Laboratory Children's Mercy Hospital, Kansas City	Please move to G Block
5:30 - 6:15 PM	Valedictory Address: Parting thoughts: Dr Sudha, Co Founder and ED, Genotypic Technology Awards Distribution	

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Contact us at

+91-9900035744, +91- 9611714948

conference@genotypic.co.in

www.genomicsindia.co.in

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