

SCIENTIFIC PROGRAM

22nd January, 2025 (Third Day)

8.00 AM - 8.45 AM		Breakfast		
8.45 AM - 9.35 AM	Plenary talk 5: Prof. Vorasuk Shotelersuk, Chulalongkorn University, Thailand		Hall A	Chairpersons: Prof. Ashutosh Halder, AIIMS, New Delhi Dr. Ashwin Dalal, CDFD, Hyderabad
	Genomics Thailand and Rare Diseases: Advancing precision public health and uncovering novel disease genes.			
CONCURRENT SESSIONS 11 Theme: Chromosome biology, genome architecture and regulation				
9.35 AM - 10.40 AM	OP27	Prof. Sagar Sengupta, Director, NIBMG Small molecules reverting chemoresistance via chromatin remodelling are viable candidates for adjunct therapy in colon cancer.	Hall A	Prof. S. Ganesh, IIT, Kanpur Prof. RNK Bamezai, Former Vice Chancellor, Shri Mata Vaishno Devi University, J&K
	OP28	Prof. Sathees Raghavan Indian Institute of Science, Bengaluru Mechanism of chromosomal translocations in lymphoid neoplasia: Focus on non-B DNA and RAGs.		
	OP29	Prof. Chandrima Das, SINP, Kolkata Epigenetic regulator ZMYND8 drives tumor heterogeneity through metabolic reprogramming in breast cancer.		
9.35 AM - 10.40 AM	OP30	Dr. Padavattan Sivaraman, NIMHANS, Bengaluru Unveiling the Parkinson's disease-associated α -Synuclein role in chromatin regulation.	Hall B	Prof. AJS Bhanwer, SGRDIMSR, Amritsar Dr. Bibhas Kar, Kokilaben Dhirubhai Ambani Hospitals, Mumbai
	OP31	Dr. Hemachander Subramanian, NIT, Durgapur Structure-function relationship in DNA: The importance of kinetics.		
	OP32	Dr. Divya Tej Sowpati, Centre for Cellular and Molecular Biology, Hyderabad Optical Genome Mapping: Next generation cytogenetics		

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FREE COMMUNICATION SESSION 3 (10 mins oral presentations for young researchers) Theme: Disease Genetics				
9.35 AM - 10.40 AM	ST11	Mrs. Syed Ali Fathima Afrin J , SASTRA Deemed University, Tamil Nadu Exploring the DNA methylation profile associated with Bardet-Biedl syndrome: An EPIC array-based approach.	Hall C	Prof. Inusha Panigrahi, PGIMER, Chandigarh Dr. Renu Saxena, Sir Ganga Ram Hospital, New Delhi
	ST12	Dr. Shantanab Das , ISI, Kolkata HLA-C and HLA-B Shape Psoriasis risk and protection profiles.		
	ST13	Dr. Amol N Patil , PGIMER, Chandigarh Development and validation wise assessment of genotype guided warfarin dosing algorithm in Indian population.		
	ST14	Mr. Kondyarpu Abhishek , ILS, Bhubaneswar Otitis Media, an underrated complex disease: From candidate gene to next generation sequencing and from confusion to clarity, in the end pragmatically a covalent compromise?		
	ST15	Dr Shalini S Nayak , Kasturba Medical College, Manipal Investigation of clinical and genetic heterogeneity in human fetuses with arthrogryposis multiplex congenita.		
10.40 AM - 11.00AM	Tea break and visit to corporate stalls			
SESSION 12 Theme: Genomic Technologies, big data, and precision medicine				

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11.00 AM - 12.05 PM	OP33	Prof. Anlabha Basu , NIBMG, Kalyani Why India needed a genome sequencing project of its own?	Hall A	Prof. B. K. Thelma, University of Delhi, Delhi
	OP34	Prof. Binay Panda , JNU, New Delhi <i>X-plat</i> : a cross-platform transformation tool based on the nearest neighbor joining framework.		Prof. Manisha Madkaikar, Director, ICMR-NIIH, Mumbai
	OP35	Dr. Arunabha Majumdar , IIT, Hyderabad A unified Bayesian approach to transcriptome-wide association study.		
SESSION 13 Theme: Genome to Phenome				
11.00 AM - 12.05 PM	OP36	Prof. Arindam Maitra , NIBMG, Kalyani Born Too Soon: The molecular underpinnings of preterm birth in Indian women.	Hall B	Prof. Mitali Mukherjee, IIT, Jodhpur
	OP37	Prof. Uppala Radhakrishna , The University of Pittsburgh School of Medicine, USA Placental epigenetic signatures can predict long-term health outcomes in infants prenatally exposed to opioids and neonatal opioid withdrawal syndrome.		Prof. Govindasamy Kumaramanickavel, Director of Research, Narayana Netralaya, Bengaluru
	OP38	Prof. Ashutosh Halder , AIIMS, New Delhi Genetic landscape of Polycystic Ovary Syndrome (PCOS).		
FREE COMMUNICATION SESSION 4 (10 mins oral presentations for young researchers) Theme: Functional Genomics				

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11.00 AM – 12.05 PM	ST16	Mr. Bishnu Prasad Parida , BHU, Varanasi Choline kinase isoform regulation in Cervical cancer: Implications in tumor progression and therapeutic targeting.	Hall C	Dr. Indrani Datta, NIMHANS, Bengaluru Dr. Dhanjit Das, National Institute for Research in Reproductive Health, Mumbai
	ST17	Ms. Vibhaa Kumar , TIGS, Bengaluru Gene editing reveals mutation specific disease manifestations in a human pluripotent stem cell derived Pompe disease model.		
	ST18	Ms. Aishwarya Murali , IIT, Madras Cellular specificity of ribosomal protein gene expression in human tissues.		
	ST19	Dr. Priyanka Srivastava , SGPGI, Lucknow Cytogenetic landscape of products of conceptions from recurrent pregnancy loss in north Indian population.		
	ST20	Ms. Merin George , NIIH, Mumbai Comprehensive genomic and global DNA methylation profiling in Indian Fanconi Anaemia subjects.		
SESSION 14 Theme: Innovations in genomic tools and treatment of genetic disorders				

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12.05 PM – 1.20 PM	OP39	Dr. Kriti Kaushik , Product Manager–Multiomics at Premas Life Sciences. Advancing human healthcare through multiomics’ insights.	Hall A	Dr. Vinod Scaria, Karnikos Healthcare, Bengaluru Dr. Prabhakar Kedar, NIIH, Mumbai
	OP40	Prof. Sumita Danda , Christian Medical College, Vellore Uncovering ASMD: Recent updates and management.		
	OP41	Dr. Dan Fordham , Director, Strategic Product Management EMEA, Oxford Nanopore Technologies. The path to a true genome – Reimaging a new standard using all read sequencing.		
	OP42	Dr. Rahul Solanki , Application Scientist, Agilent Technologies, India. Elevating Precision Oncology: Tumor genomic profiling solutions advancing precision oncology		
1.20 PM – 2.00 PM	Lunch Break and Poster Presentation			
SESSION 15				
Theme: Modelling of Human Diseases/Regenerative Medicine				
2.00 PM – 3.05 PM	OP43	Prof. Jens Christian Schwamborn University of Luxembourg, Germany Modeling parkinson’s disease with human midbrain organoids.	Hall A	Prof. Krishanu Ray, Director, NBRC, Gurgaon Dr. Sridhar Sivasubbu, Former Chief Scientist, IGIB, New Delhi
	OP44	Dr. Aarti Sevilimedu , Dr. Reddy’s Institute of Life Sciences, Hyderabad Modelling rare genetic disorders in Zebrafish: insights into disease mechanisms.		
	OP45	Prof. Anindya Ghosh Roy , NBRC, Manesar Regenerating and reconnecting Neural circuits.		

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SESSION 16 Theme: Regulatory Genomics				
2.00 PM - 3.05 PM	OP46	Prof. Swapan K. Nath , OMRF, USA Decoding the genetic architecture of SLE: insights from Post-GWAS analyses and functional characterization of an Asian-Specific regulatory variant.	Hall B	Dr. V. Babu Rao, NIIH, Mumbai & Prof. A.K. Munirajan, University of Madras, Chennai
	OP47	Dr. Rachel A.J. , Formerly Associated with CCMB, Hyderabad Regulation of autosomal genes by noncoding RNAs from Y-chromosomal heterochromatin and implications in male fertility.		
	OP48	Dr. Dimple Notani , NCBS, Bengaluru Roles of transcriptional enhancers in disease susceptibility.		
FREE COMMUNICATION SESSION 5 (10 mins oral presentations for young researchers) Theme: Population genetics				
2.00 PM - 3.05 PM	ST21	Dr. Amit Gaurav Ghosh , Nanyang Technological University, Singapore Genomic Insights into North Eurasian and South American indigenous populations shaped by diverse environments.	Hall C	Dr. Swarkar Sharma, Central University of Jammu, J&K Dr. Anamika Singh, National University of Singapore, Singapore
	ST22	Dr. Ranajit Das , Yenepoya University, Karnataka Individuals' unique genetic makeup influences their susceptibility towards infectious diseases: COVID-19 as a case study.		
	ST23	Mr. Sachin Rathod , IIT, Jodhpur Genetic basis of climatic adaptation in Thar desert populations.		
	ST24	Ms. Haya Afreen , NIBMG, Kalyani Understanding South Asia's population history through archaic Introgression.		
	ST25	Dr. M.S. Mustak , Mangalore, University, Mangalore. Maternal genetic landscape of Konikanī population.		

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SESSION 17				
Theme: Genetics of brain disorders				
3.05 PM - 4.30 PM	OP49	Prof. Quasar S Padiath , University of Pittsburgh, USA	Hall A	Prof. B.S. Sankarnarayana Rao, Registrar, NIMHANS, Bengaluru Prof. Anju Shukla, Kasturba Medical College, Manipal
	OP50	Prof. Subrata Sinha , AIIMS, New Delhi Behaviour, genetics & genes: connecting some dots in familial dyslexia.		
	OP51	Dr. Ganesh Chauhan , RIMS, Ranchi MRI markers of cerebral small vessel diseases and their genetic determinants.		
	OP52	Prof. Santasree Banerjee , Jilin University, China Application of genomic sequencing technologies: Genetic molecular diagnostics of developmental delay and intellectual disability.		
SESSION 18				
Theme: Gene discovery and management of genetic diseases				
3.05 PM - 4.30 PM	OP53	Prof. Virginia Kimonis , University of California, USA The use of antisense oligonucleotides for treating rare genetic diseases.	Hall B	Dr. P.V. Ramchander, ILS, Bhubaneswar Dr. Inderjeet Kaur, LV Prasad Eye Institute, Hyderabad
	OP54	Prof. Arijit Mukhopadhyay , University of Salford, UK Beyond the Lab: How storytelling with genetics is revolutionizing glaucoma care.		
	OP55	Prof. Nachimuthu Senthil Kumar , Mizoram University, Mizoram Environmental and genetic studies reveal potential risks factors for substance Use disorder in the high incidence mizo population of North-East India.		

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	OP56	Dr. Swarkar Sharma , Central University of Jammu, Jammu Pharmacogenomics in populations of Jammu and Kashmir.		
4.30 PM - 5.30 PM	High Tea & Valedictory Session			