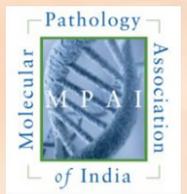


MPAICON 2026

13th Annual Conference of The Molecular Pathology Association of India



Theme : Decoding Genetics For Health : From Helix to Healing



Workshop Date
26 February 2026



Workshop Venue
Tata Medical Centre, Auditorium, New Town, Kolkata

Workshop on Next Generation Sequencing (NGS)

Coordinators: Dr. Rakesh Demde, Dr. Indranil Dey

Faculty: Dr. Nikhil Patkar, Dr. Reena Das, Dr. Kujal Patel, Dr. Amrit Kaler, Dr. Rubina, Dr. Rakesh Demde, Dr. Chitrapita Das, Aarti Acherekar

09:00 AM - 09:15 AM	Welcome and Introduction to NGS workshop	Dr. Mayur Parihar, Tata Medical Centre, Kolkata
09:15 AM - 09:35 AM	A Sequence of evolution- Next generation sequencing technology: Fundamentals and Current platforms	Dr. Rakesh Demde, Tata Medical Centre, Kolkata
09:35 AM - 10:00 AM	Selecting the best fit - NGS Panel Design and clinical considerations	Mr. Hersh Parikh Thermo Fisher Scientific
10:00 AM - 10:30 AM	Laying a solid foundation-Sample Preparation & Library Construction	Dr. Nikhil Patkar, ACTREC, Mumbai
10:30 AM - 10:55 AM	Reading the signals- Sequencing Run & Data Generation: Run setup, Data outputs, QC Metrics and troubleshooting	Dr. Subbaiah T B Illumina
10:55 AM - 11:05 AM	Coffee/Tea Break	
11:05 AM - 11:30 AM	From raw data to meaningful insight- NGS data analysis: Introduction to bioinformatics and NGS tools	Sangram Jit, TTCRC, Kolkata
11:30 AM - 11:55 AM	Connecting the dots'- NGS reporting: Variant Interpretation and evidence based reporting	Dr. Amrit Kaler, Kokillaben Dhirubai Ambani Hospital, Mumbai
11:55 AM - 12:20 PM	Basics of Nanopore sequencing	Dr. Rubina, TTCRC, Kolkata
12:20 PM - 12:45 PM	Application of NGS in Myeloid neoplasm	Dr. Aarti Achrekar, ACTREC, Mumbai
12:45 PM - 01:10 PM	Application of NGS in solid organ neoplasms with case discussion	Dr. Kunjal Patel, Neuberg Supratec, Ahmedabad
01:10 PM - 01:35 PM	Next gen Solution in Inherited blood disorders	Dr. Reena Das, PGI, Chandigarh
01:35 PM - 02:10 PM	Lunch Break	
02:10 PM - 02:35 PM	Reading the whole story: unlocking biological complexity with long reads	Mr. Lamuk Zaveri Oxford Nanopore Technologies
02:35 PM - 03:00 PM	Newer Horizons- Clinical Utility and Benefits of Comprehensive Genomic Profiling and Transcriptomics (RNA-seq) in Cancer	Dr. Indranil Dey Netaji Subhas Chandra Bose Cancer Hospital, Kolkata
03:00 PM - 03:25 PM	Widening the reach: NGS for reproductive and prenatal screening and rare disease research	Dr. Chitrapita Das, Omics Facility PDX Nucleus, Kolkata
03:25 PM - 04:00 PM	Talk with the expert, Q&A	Dr. Reena Das, Dr. Nikhil Patkar Dr. Kunjal Patel, Dr. Amrit Kaler Dr. Chitrapita Das
04:00 PM - 04:10 PM	Tea Break	
04:10 PM - 05:30 PM	NGS lab tour and workflow demonstration in 4 batches	Saheli & Chumki SO, Tata Medical Centre