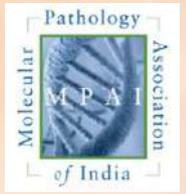


MPAICON 2026

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, Seminar Room, New Town, Kolkata

Workshop on Real Time PCR & Sanger Sequencing

Coordinators: Dr. Rakesh Demde, Dr. Indranil Dey

Faculty: Dr. Poorva Gurjar, Dr. Gojiri Mawalankar, Dr. Suyog Ratnaparkhi, Dr. Gautam Bhagwat, Dr. Lexmi Priya Raju

09:00 AM – 09:15 AM	Welcome and Introduction of Participants, Faculty and Coordinators	
Session 1- Real time PCR		
09:15 AM – 9:40 AM	DNA/RNA Extraction: Pre-analytical Variables & Quality Control	Poonam Das, Tata Medical Centre, Kolkata
09:40 AM -10:05 AM	Introduction to Real-Time PCR & different TaqMan chemistries	Dr. Suyog Ratnaparkhi, Tata Medical Centre, Kolkata
10:05 AM - 10:30 AM	Real-Time PCR Assay Design & Set-Up/ Multiplex PCR	Dr. Lexmi Priya Raju, Tata Medical Centre, Kolkata
10:30 AM - 10:55 AM	Quality Control, Interpretation & trouble shoot of Real-Time PCR assay	Dr. Shivangi Harankhedkar, SUM hospital, Bhubneshwar
Coffee/Tea Break		
Session 2- Sanger Sequencing		
11:05 AM - 11:30 AM	Sanger sequencing- Introduction	Dr. Poorva Gurjar, COP, Mumbai
11:30 AM - 11:55 AM	Quality Control, Analysis, Interpretation & trouble shooting of Sanger Sequencing	Saheli Banerjee, Tata Medical Centre, Kolkata
Session 3- Demonstration & Analysis		
11:55 AM - 01:15 PM	Demonstration of Real time PCR setup & data analysis	Chumki Bhattacharjee, Tata Medical Centre, Kolkata
Lunch Break		
01:45 PM - 03:00 PM	Demonstration of Sanger sequencing run setup & run analysis	Sourav Sarma Choudhary, Tata Medical Centre, Kolkata
Coffee/Tea Break		
Session 4 - Clinical Applications		
03:15 PM - 03:40 PM	Applications of Real-Time PCR in Hematological malignancies	Dr. Gautam Bhagwat, R D Gardi medical college, Ujjain
03:40 PM - 04:00 PM	Applications of Real-Time PCR in Solid Tumours	Dr. Suyog Ratnaparkhi, Tata Medical Centre, Kolkata
04:00 PM - 04:20 PM	Applications of Sanger Sequencing in Haematological Malignancies	Dr. Gojiri Mawalankar, ACTREC, Mumbai
04:20 PM - 04:50 PM	Applications of Sanger Sequencing in Solid Tumours	Dr. Lexmi Priya Raju, Tata Medical Centre, Kolkata
04:50 PM - 05:20 PM	Q&A Session	
05:20 PM - 05:30 PM	Closing Address	