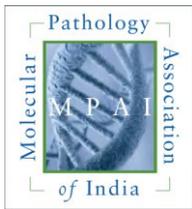


Regular
Registration Deadline:
5th February 2025

Abstract
Submission Deadline:
1st February 2025



MPAICON 2025

12th Annual Conference of Molecular Pathology Association of India

Theme - Advances in Molecular Pathology: Bench to Bedside

13 **14** **15** | Scudder Auditorium,
FEBRUARY 2025 | Christian Medical College, Vellore, India

Pre-conference workshops : 13th February, 2025

Organized by:
Department of Haematology, Christian Medical College, Vellore

Applied for CME Credit Points from
TAMIL NADU DR. MGR MEDICAL UNIVERSITY





Dr. Aby Abraham
Chairperson
Department of Haematology,
Christian Medical College, Vellore



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President, MPAI
Department of Laboratory Services,
Tata Medical Center, Kolkata

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Department of Haematology,
Christian Medical College, Vellore



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Department of Haematology,
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Christian Medical College, Vellore

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Christian Medical College, Vellore

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Department of Haematology,
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MEDAS Healthcare, Germany

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Mumbai

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Mylab Discovery Solutions

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Mumbai

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Department of Clinical Genetics,
Christian Medical College, Vellore

Dr. Balaji Veeraraghavan
Department of Microbiology,
Christian Medical College, Vellore

Dr. Sitara Swarna Rao Ajjampur
The Wellcome Trust Research Laboratory,
Division of Gastrointestinal Sciences,
Christian Medical College Vellore

SPEAKERS

Dr. Akhil Gupta

Bio-Rad Laboratories India

Dr. Anil Tarigopula

Coimbatore Molecular Diagnostics Laboratory, Coimbatore

Dr. Ajay Deepak Baskaran

Bio-Rad Laboratories India, Gurugram

Dr. Aaron Chapla

Christian Medical College Vellore

Dr. Amarnath Thirugnana Sambandam

MetaSystems India (Bangalore) Pvt. Ltd

Dr. Amit Dutt

University of Delhi South Campus, New Delhi

Dr. Alpesh Kapadia

Christian Medical College Vellore

Dr. Ashwin Dalal

Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Dr A. Ramya

Apollo Hospitals, Chennai

Dr. Avinash Abhyankar

New York Genome Center, New York

Dr. B Poonkuzhali

Christian Medical College Vellore

Dr. Babu Rao

National Institute of Immunohaematology, Mumbai

Dr. B. R. Das

MEDAS Healthcare, Germany

Dr. Balaji Veeraraghavan

Christian Medical College Vellore

Dr. Bibhas Kar

Kokilaben Dhirubhai Ambani Hospital, Mumbai

Dr. Diviya Alex

Christian Medical College Vellore

Dr. Dhandapany Perunduraj

inStem, Bengaluru

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Tata Medical Center, Kolkata

Dr. Ekta Jajodia

Unipath Specialty Laboratory, Ahmedabad

Dr. Eunice Sindhuvi

Christian Medical College Vellore

Dr. Geetashree Mukherjee

Formerly Tata Medical Center, Kolkata

Dr. Harsh Sheth

FRIGE Institute of Human Genetics, Ahmedabad

Dr. Jesina Samuel

Christian Medical College Vellore

Dr. Jim Zhang

Twist Bioscience, US

Dr. John Fletcher

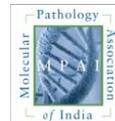
Christian Medical College Vellore

Dr. Jobin Jacob

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Dr. Joy Sarojini

Christian Medical College Vellore

Dr. Karthik Bharadwaj

Centre for Cellular & Molecular Biology, Hyderabad

Dr. Khaliqur Rahman

SGPGI, Lucknow

Dr. Malathi Manuel

Christian Medical College Vellore

Dr. Mary Purna Chacko

Christian Medical College Vellore

Dr. Mayur Parihar

Tata Medical Center, Kolkata

Dr. Marty Ensenberger

Promega, Madison, USA

Ms. Megha Dhumal

DSS Imagetech

Dr. Meenu Angi

Unipath Specialty Laboratory, Ahmedabad

Dr. Maria E. Arcila

Memorial Sloan Kettering Cancer Center, New York

Dr. Neeraj Arora

Unipath Specialty Laboratory, Ahmedabad

Dr. Nidhan Kumar Biswas

National Institute of Biomedical Genomics, Kalyani

Dr. Nikhil Patkar

ACTREC, Mumbai

Dr. Omshree Shetty

Tata Memorial Hospital, Mumbai

Dr. Pankaj Khanna

Imperial Life Sciences, Gurugram

Dr. Prathap Naidu

Molecular Biology & Cell Analysis Thermo Fisher Scientific

Dr. Peter Coleman

Illumina, USA

Dr. Priya Sundararajan

Beckman Coulter Life Sciences, New Delhi

Dr. Prisca Santhanam

Christian Medical College Vellore

Dr. Phaneendra Datari

Christian Medical College Vellore

Dr. Rahul Solanki

Agilent Technologies, USA

Dr. Rana Pratap Singh

dPCR & Foundations, Qiagen

Dr. Reena Das

Postgraduate Institute of Medical Education and Research, Chandigarh

Dr. Rekha Pai

Christian Medical College Vellore

Dr. Subbaiah T

Illumina India

Dr. Samson Mani

Rajiv Gandhi Cancer Institute and Research Centre, Delhi

Dr. Sanjay Bhattacharya

Dept of Microbiology, Tata Medical Center, Kolkata

Dr. Saumyanjan Mallick

All India Institute of Medical Sciences, New Delhi

Dr. Sailesh Gochhait

Sales Development, Thermo Fisher Scientific

Dr. Shaji RV

Christian Medical College Vellore

Dr. Shantanu Chaudhary

Institute Of Genomics & Integrative Biology, New Delhi

Dr. Shefali Desai

Mylab Discovery Solutions, Pune

Dr. Shrinidhi Nathany

Fortis Memorial Research Institute, Gurugram

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Dr. Sitara Ajjampur

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Unipath Specialty Laboratories, Ahmedabad

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Dr. Sumita Danda

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Indian Institute of Technology-Madras, Chennai

Dr. Sushant Vinarkar

Tata Medical Centre, Kolkata

Dr. Trupti Pai

Tata Memorial Hospital, Mumbai

Dr. Tintu Varghese

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Dr. Toral Vaishnani

Unipath Specialty Laboratories, Ahmedabad

Dr. Usha Dave

MILS International India, Mumbai

Dr. Usha Dutta

Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Dr. Vedam Ramprasad

Medgenome, Bengaluru

Dr. Vijayalakshmi Ramshankar

Cancer Institute (WIA) Adyar, Chennai

Dr. Vikram Mathews

Christian Medical College Vellore

Dr. Vinod Scaria

Karkinos Healthcare Private Limited, Bengaluru

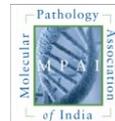
Dr. Vasanth Thamodaran

Tata Institute of Genetics and Society, Bengaluru

SCIENTIFIC PROGRAM

MPAICON 2025

13 14 15 FEBRUARY 2025 Scudder Auditorium,
Christian Medical College, Vellore, India



14th February 2025

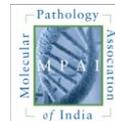
Friday, Day 01

08:00 AM - 09:00 AM	Registration/ Welcome Tea	
09:00 AM - 09:30 AM	Inauguration Ceremony	
09:30 AM - 10:00 AM	Keynote Lecture (Hall A)	
	Embracing the Era of Genomic Medicine: An opportunity for Collaboration to Enhance Global Health Care <i>Prof. Maria Arcila, Immediate Past President of Association of Molecular Pathology</i>	
10:00 AM - 10:30 AM	Coffee Break/Exhibition	
	Concurrent Sessions	
	Hall A	Hall B
10:45 AM - 12:45 PM	Session 1A: Genomics in Clinical Practice Chairs: Sandhya Sundaram, SRMCR, Chennai and Ashwin Dalal, CDFD, Hyderabad	Session 1B: Disease Mechanisms to Translation Chairs: TBA
10:45 AM - 11:10 AM	Integrating Phenomics and Genomics: Enhancing Clinical Genetics Services for Precision Medicine <i>Dr. Sumita Danda, CMC Vellore</i>	Targeting AML Metabolism: Strategies and Challenges <i>Dr. Vikram Mathews, CMC Vellore</i>
11:10 AM - 11:35 AM	Genomics and Moving the Needle for Precision Medicine <i>Dr. Vinod Scaria, Karkinos Healthcare Private Limited, Bengaluru</i>	Genetic Insights into Lung Cancer Resistance to Targeted Therapy <i>Dr. Amit Dutt, Delhi University, New Delhi</i>
11:35 AM - 12:00 PM	Advancing Precision Medicine in Haemato-oncology <i>Dr. Deepak Kumar Mishra, TMC, Kolkata</i>	Role of Telomeres in Immune Suppression within the Tumor Microenvironment <i>Dr. Shantanu Chaudhary, IGIB, New Delhi</i>
12:00 PM - 12:25 PM	Application of Molecular Genetics in Nephrology <i>Dr. Suceena Alexander, CMC Vellore</i>	Stem Cell Approaches to Genotype-Phenotype Correlation in Diseases <i>Dr. Vasanth Thamodaran, TIGS, Bengaluru</i>
12:25 PM - 12:45 PM	Advancing Molecular Pathology through Next Generation Sequencing Innovation <i>Dr. Peter Coleman, Illumina</i>	Targeting Signalling Pathways in Triple Negative Breast Cancer <i>Dr. Suresh Rayala, IIT, Chennai</i>
12:45 PM - 01:30 PM	Lunch Break/Exhibition	
	Concurrent Sessions	
	Hall A	Hall B
01:30 PM - 03:15 PM	Session 2A: Applications of Genomics in Rare Disorders Chairs: Rakesh Mishra, TIGS, Bengaluru and Sumita Danda, CMC Vellore	Session 2B: Advances in Diagnosis of Haematological Malignancies Chair: Dr. Uday Kulkarni, CMC Vellore
01:30 PM - 01:55 PM	Mission Program in Pediatric Rare Genetic Disorders <i>Dr. Ashwin Dalal, CDFD, Hyderabad</i>	Clonality Testing in Lymphomas <i>Dr. Neeraj Arora, Unipath Specialty Laboratory, Ahmedabad</i>
01:55 PM - 02:20 PM	Discovery of a New Cardiac Syndrome <i>Dr. Dhandapany Perundurai, inStem, Bengaluru</i>	Genomics of Relapsed ALL <i>Dr. Mayur Parihar, TMC, Kolkata</i>
02:20 PM - 02:40 PM	Genetics in Aid of Rare Diseases: Diagnosis and Treatment <i>Dr. Shefali Desai, Mylab Discovery Solutions, Pune</i>	Genomics of Peripheral T cell Lymphoma <i>Dr. Saumyanjan Mallick, AIIMS, New Delhi</i>
02:40 PM - 03:00 PM	Fetal Genomic Diagnosis in Rare Disorders for Prevention <i>Dr. Usha Dave, MILS International India, Mumbai</i>	Role of cfDNA in Diffuse Large B cell Lymphoma <i>Dr. Khaliqur Rahman, SGPGL, Lucknow</i>
03:00 PM - 03:15 PM	Industry Talk: Revolutionary Advancement in the Field of Next generation Sequencing <i>Dr. Pankaj Khanna, Imperial Life Sciences</i>	Innovations in Pathology Imaging: Exploring Attune CytPix for Better Diagnostic Outcomes <i>Dr. Prathap Naidu, Thermo Fisher Scientific</i>
03:15 PM - 04:15 PM	Tea Break/Poster Presentations/Exhibition	
	Concurrent Sessions	
	Hall A	Hall B
04:15 PM - 06:30 PM	Session 3A: Advances in Molecular Diagnosis of Benign Haematological Diseases Chair: Biju George, CMC Vellore	Session 3B: Genome Analysis Strategies Chairs: Vinod Scaria, Karkinos Healthcare Private Limited, Bengaluru and Shaji RV, CMC Vellore
04:15 PM - 04:40 PM	Molecular Diagnosis of Rare Haemolytic Anaemias <i>Dr. Reena Das, PGIMER, Chandigarh</i>	Building Secure and Scalable Infrastructure for Processing Clinical Genomics Data <i>Dr. Avinash Abhayankar, New York Genome Center, New York</i>
04:40 PM - 05:05 PM	Advances in Molecular Diagnosis of Eosinophilia <i>Dr. Sreejesh Sreedharanunni, PGIMER, Chandigarh</i>	Large-Scale Multi-Omic Analysis of Molecular Drivers in Oral Cancer Progression <i>Dr. Nidhan Kumar Biswas, NIBMG, Kalyani</i>
05:05 PM - 05:30 PM	Genomic Profiling of Telomere Biology Disorders <i>Dr. Babu Rao, NIIH, Mumbai</i>	Method Development in Next Generation Sequencing <i>Dr. Nikhil Patkar, ACTREC, Mumbai</i>
05:30 PM - 05:55 PM	Inherited Disorders of Iron Metabolism <i>Dr. Eunice Sindhuvi, CMC Vellore</i>	Industry Talk: Advancing Precision Oncology: New Maxwell Chemistries and MSI <i>Dr. Marty Ensenberger, Promega</i>
06:00 PM - 06:30 PM	Panel Discussion: Pathogenic Variant Interpretations	Panel Discussion: Molecular Diagnosis Training Programs
06:30 PM - 07:30 PM	General Body Meeting	
07:30 PM - 09:30 PM	Dinner	

SCIENTIFIC PROGRAM

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15th February 2025

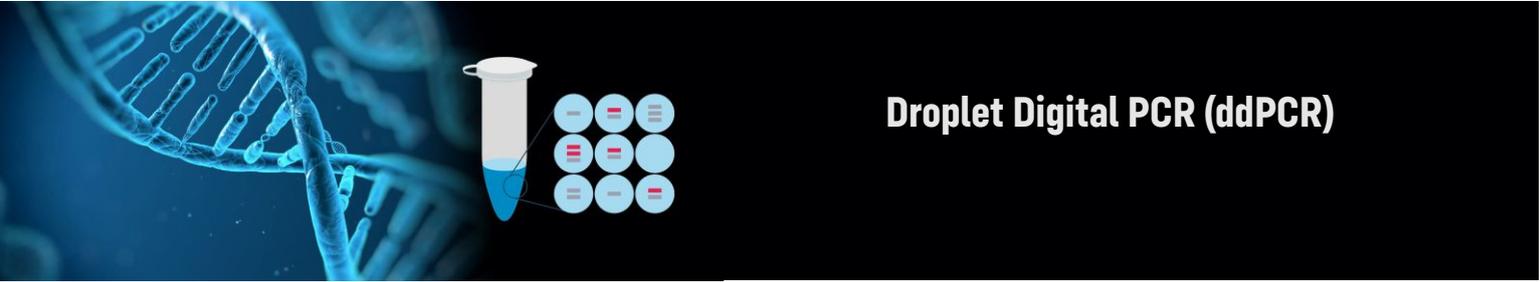
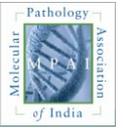
Saturday, Day 02

Oral Presentations			
	Hall A	Hall B	Hall C
09:00 AM - 10:00 AM	Session 4A: Oral Presentations - I	Session 4B: Oral Presentations - II	Session 4C: Oral Presentations - III
Plenary Talk (Hall A)			
10:00 AM - 10:30 AM	AI and Machine Learning in Molecular Diagnostics <i>Dr. B. R. Das, MEDAS Healthcare, Germany</i>		
10:30 AM - 11:30 AM	Coffee Break/Exhibition/Posters		
Concurrent Sessions			
	Hall A	Hall B	Hall C
11:30 AM - 01:30 PM	Session 5A: Advances in Solid Tumour Molecular Diagnosis - I Chair: Dr. Mehar Chand Sharma. AIIMS, New Delhi	Session 5B: Advanced Methods for Molecular Diagnosis Chair: TBA	Session 5C: Microbiology/Virology Chair: Rajesh Kannangai, CMC Vellore
11:30 AM - 11:55 AM	Molecular Landscape and Therapeutic Implications in Triple Negative Breast Cancers (TNBC) <i>Dr. Rekha Pai, CMC Vellore</i>	Long Read Sequencing For the Identification of Structural Variants <i>Dr. Usha Dutta, CDFD, Hyderabad</i>	Advances in Molecular Diagnosis of Tuberculosis and Drug Resistance <i>Dr. Joy Sarojini, CMC Vellore</i>
11:55 AM - 12:20 PM	HER2 Low: An emerging entity in metastatic breast Cancer <i>Dr Ramya A, Apollo Hospitals, Chennai</i>	Spatial Biology – A Pathologist’s Perspective <i>Dr. Geetashree Mukherjee, TMC, Kolkata (Retd.)</i>	Microscopy vs Molecular: Parasitology Diagnostics for Low Resource, High Burden Settings <i>Dr. Sitara Ajjampur, CMC Vellore</i>
12:20 PM - 12:45 PM	Liquid Bx, MRD and ctDNA in Breast Cancer <i>Dr. OmShree Shetty, TMH, Mumbai</i>	Optical Genome Mapping <i>Dr. Karthik Bharadwaj, CCMB, Hyderabad</i>	Current Molecular Diagnosis Trends in Microbiology <i>Dr. Balaji Veeraraghavan, CMC Vellore</i>
12:45 PM - 01:10 PM	cfRNA as Biomarkers for Solid Tumours <i>Dr. Samson Mani, Rajiv Gandhi Cancer Institute and Research Centre, Delhi</i>	TBA	Shifting Priorities in Molecular Approaches to HBV Infection <i>Dr. John Fletcher, CMC Vellore</i>
01:10 PM - 01:30 PM	Industry Talk: Maximizing Sensitivity in Liquid Biopsy: Advances in cfDNA Library Preparation and Custom Panel Solutions <i>Jim Zhang, Twist Biociences</i>	Industry Talk: Technical Advancements to Accelerate Circulating Biomarker Detection <i>Dr. Rana Pratap Singh, Qiagen.</i>	Application of Next Generation Sequencing in Clinical Microbiology <i>Dr. Sanjay Bhattacharya, TMC, Kolkata</i>
01:30 PM - 02:30 PM	Lunch Break/Exhibition/Posters		
Concurrent Sessions			
	Hall A	Hall B	Hall C
02:30 PM - 04:00 PM	Session 6A: Advances in Solid Tumour Molecular Diagnosis - II Chair: TBA	Session 6B: Applications of Genomics Chair: <i>Dr. Dolly Rose, CMC Vellore</i>	Session 6C: Advances in Cytogenetics Chair: TBA
02:30 PM - 02:55 PM	Applications of Liquid Biopsy in NSCLC <i>Dr. Trupti Pai, TMH, Mumbai</i>	The Role of Genetics in Recurrent Pregnancy Loss <i>Dr. Bibhas Kar, Kokilaben Dhirubhai Ambani Hospital, Mumbai</i>	Moving from 'Cytogenetics' to 'Cytogenomics' <i>Dr. Mary Purna Chacko, CMC Vellore</i>
02:55 PM - 03:20 PM	Early Stage Breast Cancer Risk Prediction <i>Dr. Vijayalakshmi Ramshankar, Cancer Institute (WIA) Adyar, Chennai</i>	Pharmacogenomics Applications <i>Dr. B. Poonkuzhali, CMC Vellore</i>	Shifting Paradigm in Male Infertility Diagnostics and Treatment <i>Dr. Harsh Sheth, FRIGE Institute of Human Genetics, Ahmedabad</i>
03:20 PM - 03:45 PM	Development, Validation and Concordant Analysis of Liquid Biopsies <i>Vedam Ramprasad, Medgenome, Bangalore</i>	TBA	Role of Cytogenetics in the Era of NGS <i>Dr. Meenu Angi, Unipath Specialty Laboratory, Ahmedabad</i>
03:45 PM - 04:05 PM	Industry Talk: Unlocking genetic insights: MLPA and digitalMLPA Technologies <i>Ms. Megha Dhumal, DSS Imagetech</i>	Navigating Endocrine and Targeted BRCA Genetics <i>Dr. Aaron Chapla, CMC Vellore</i>	FISHing for Answers: The Current Role of Fluorescence In Situ Hybridization in Cancer Diagnostics <i>Dr. Anil Tarigopula, Coimbatore Molecular Diagnostics Laboratory, Coimbatore</i>
04:05 PM - 04:15 PM	Coffee Break/Exhibition		
04:15 PM - 05:00 PM	Panel Discussion: Future Directions in Molecular Pathology		
05:00 PM - 05:30 PM	Closing Ceremony and Awards Distribution		

WORKSHOPS

MPAICON 2025

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Droplet Digital PCR (ddPCR)



Fluorescence in Situ Hybridization (FISH) for Haematological Malignancies



Next Generation Sequencing



Real time PCR based Diagnosis of Infections and Genetic Diseases

Workshop on Droplet Digital PCR (ddPCR)	
Pre-conference Workshop - 13th February, 9:00 am to 5:00 pm	
Venue: Conference Hall, 6th Floor, A-Block, Ranipet Campus	
Coordinators: Dr. Poonkuzhali B, Dr. Soma Pradhan and Dr. Jesina Samuel	
Faculty: Dr. Rekha Pai, Dr. Poonkuzhali B, Dr. Sushant Vinarkar and Dr. Prisca Santhanam	
Timings	Topic
09:00AM - 09:15AM	Welcome and Introduction of Participants, Faculty and Coordinators
Session I - Introduction to ddPCR	
09:15AM - 10:00 AM	Droplet Digital PCR: The Next Generation Tool in Molecular Biology <i>Ajay-Deepak Baskaran, Bio-Rad Laboratories</i>
10:00AM - 10:15AM	Coffee Break
Session II - Hands-on and Analysis	
10:15AM - 12:15PM	Demonstration and Hands-on Time for Setting up the Reaction - 2 groups BCR::ABL or Drop-off ddPCR/an Assay for CNV(CDKN2A/B Homozygous BD Heterozygous Deletion) <i>Mrs. Selvi & Mr. Dhananjayan</i>
12:15PM - 12:55PM	QX Manager Software Overview and Data Analysis Demonstration <i>Ajay-Deepak Baskaran, Bio-Rad Laboratories</i>
12:55PM - 01:15PM	Recent Advancements in ddPCR and CTCs Analysis <i>Akhil Gupta, Bio-Rad Laboratories</i>
01:15PM - 02:00PM	Lunch
Session III - Clinical Applications	
02:00PM - 02:30PM	Applications in Myeloid Neoplasms <i>Dr. Poonkuzhali B, CMC Vellore</i>
02:30PM - 03:15PM	Application of ddPCR in Solid Tumor Diagnostics <i>Dr. Rekha Pai, Mol.Path, CMC Vellore</i>
03:15PM - 03:45PM	MRD Assessment in AML Using ddPCR <i>Dr. Sushant Vinarkar, TMC Kolkata</i>
03:45PM - 04:30PM	ddPCR: Application in Detection of Circulating Tumor DNA <i>Dr. Prisca Santhanam, Mol.Path, CMC Vellore</i>
04:30PM - 05:00PM	Closing, Questions and Tea

Workshop on Fluorescence In-Situ Hybridization

Pre-conference Workshop - 13th February, 8:00 am to 4:45 pm

Venue: Cytogenetics Laboratory, Department of Haematology, 7th Floor, B- Block, CMC Vellore, Ranipet Campus

Coordinators: Dr. Mayur Parihar, TMC, Kolkata and Dr. Alpesh Kapadia, CMC Vellore

Resource Persons: Dr. Amarnath T., Manoj Moni, J. Meena, Bexy Bensega B., and other technical staff at the Cytogenetics Laboratory, Department of Haematology, CMC, Vellore

Timings	Topic
08:00 AM - 08:15AM	Introduction
08:15AM - 08:50AM	Fundamentals of FISH – <i>Dr. Mayur Parihar, TMC, Kolkata</i>
08:50AM - 09:25AM	Overview of FISH Processing – <i>Dr. Alpesh Kapadia, CMC, Vellore</i>
09:30AM - 10:30AM	Wet Lab - Sample Preparation
10:30AM - 11:00AM	Tea-Break
11:15AM - 12:30PM	Wet Lab- FISH Processing
12:30PM - 1:30PM	Lunch Break
01:30PM - 2:00PM	Fluorescence microscopy for FISH analysis- <i>Dr. Amarnath T., MetaSystems</i>
02:15PM - 03:30PM	Wet Lab- Post-hybridization
03:30PM - 04:30PM	Demonstration of FISH Signal and discussion
04:30PM - 04:45PM	Closing Remark

Workshop on Next Generation Sequencing Pre-conference Workshop - 13th February, 8:00 am to 5:45 pm	
Venue: Conference Hall, 7th Floor, A-Block, Ranipet Campus	
Coordinators: Dr. Nikhil Patkar and Dr. Phaneendra Datari	
Faculty: Dr. Nikhil Patkar, Dr. Ekta Jajodia, Dr. Spandan Chaudhary, Dr. Toral Vaishnani, Dr. Sushant Vinarkar, Dr. Shrinidhi Nathany, Dr. Jobin Jacob	
Timings	Topic
08:00AM - 08:15AM	Welcome
Session I - Library Preparation	
08:15AM - 09:00AM	Introduction to Next Generation Sequencing technology and Sequencers - <i>Dr. Spandan Chaudhary, Unipath Speciality Laboratory, Ahmedabad</i>
09:00AM - 09:20AM	Precision Genomics: From Sample Isolation to Data Analysis- <i>Dr. Sailesh Gocchait, Thermo Fisher Scientific</i>
09:20AM - 10:05AM	NGS Panel Design - <i>Dr. Nikhil Patkar, ACTREC, Mumbai</i>
10:05AM - 10:30AM	Tea and Group Photograph
Session II - Bioinformatics	
10:30AM - 11:30AM	QC Metrics, NGS tools and Databases - <i>Dr. Toral Vaishnani, Unipath Speciality Laboratory, Ahmedabad</i>
11:30AM - 11:50AM	Elevating Precision Oncology: Tumor genomic profiling solutions advancing precision oncology - <i>Dr. Rahul Solanki, Agilent Technologies</i>
11:50AM - 12:35PM	Variant Interpretation and Guidelines of Reporting - <i>Dr. Shrinidhi Nathany, Fortis Memorial Research Institute, Gurugram</i>
12:35PM - 01:15PM	Lunch
Session III - Clinical Applications	
01:15PM - 02:00PM	Application of NGS in Myeloid neoplasms - <i>Dr. Nikhil Patkar, ACTREC, Mumbai</i>
02:00PM - 02:45PM	Application of NGS in Lung & Colorectal Carcinomas - <i>Dr. Sushant Vinarkar, Tata Medical Centre, Kolkata</i>
02:45PM - 03:05PM	Speed and Simplicity setting new standard in benchtop sequencing - <i>Mr. Subbaiah T, Illumina India</i>
03:05PM - 03:20PM	Tea
03:20PM - 03:40PM	Advanced NGS Workflow Solutions- <i>Dr. Priya Sundararajan, Beckman Coulter</i>
03:40PM - 04:25PM	Application of NGS in Lymphomas- <i>Dr. Shrinidhi Nathany, Fortis Memorial Research Institute, Gurugram</i>
04:25PM - 05:10PM	Next-Gen Solutions: Resolving Hematological Mysteries with NGS - <i>Dr. Ekta Jajodia, Unipath Speciality Laboratory, Ahmedabad</i>
05:10PM - 05:55PM	Transforming Clinical Microbiology Diagnostic Through NGS: Challenges, Strategies, and Solutions - <i>Dr. Jobin Jacob, CMC, Vellore</i>
05:55PM - 06:00PM	Closing

13th February 2025

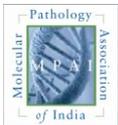
Thursday

Workshop on Real Time PCR Based Diagnosis of Infections and Genetic Diseases Pre-conference Workshop - 13th February, 9:00 am to 4:00 pm	
Venue: Conference Hall, 7th Floor, A-Block, Ranipet Campus.	
Coordinators: Dr. Sitara Ajjampur, Dr. Shaji R.V., Dr. Soma Pradhan & Dr. Jesina Samuel	
Resource personnel : Neelagandan Kamalanathan	
Faculty: Dr. Malathi Manuel, Dr. Tintu Varghese, Dr. Diviya Alex, Dr. Vijayalakshmi Ramshankar, Dr. Poonkuzhali B	
Timings	Topic
09:00AM - 09:15AM	Welcome and introduction of participants, faculty and coordinators
Session I - Introduction to Real time PCR technique	
09:15AM - 10:00AM	Introduction to qPCR /Types of chemistries- <i>Dr. Jesina Samuel, CMC Vellore</i>
10:00AM - 10:15AM	Coffee Break
Session II - Seegene Technology	
10:15AM - 11:00AM	Introduction to Seegene technology - <i>Application specialist, Seegene</i>
11:00AM - 11:30 AM	Detection of point mutations by multiplex PCR- <i>Dr. Soma Pradhan, CMC Vellore</i>
11:30AM - 12:00PM	Virus genotyping- <i>Dr. Vijayalakshmi Ramshankar, Cancer Institute (WIA), Adyar, Chennai.</i>
12:00PM - 01:00PM	Demonstration and hands-on time for setting up the reaction.
01:00PM - 02:00PM	Lunch
Session III - Clinical Applications	
02:00PM - 02:30PM	Development of in-house qPCR assays for infectious diseases diagnostics- <i>Dr. Malathi Manuel, CMC Vellore</i>
02:30PM - 03:00PM	Application of Taqman Array Cards for pathogen detection - experiences from large scale enteric pathogen detection surveys- <i>Dr. Tintu Varghese, CMC Vellore</i>
03:00PM - 03:30PM	Application of Real time PCR in (BCR::ABL1) diagnosis - experiences from a tertiary care center- <i>Dr. Poonkuzhali B, CMC Vellore</i>
03:30PM - 04:00PM	Utility of Real time PCR in Cinical Virology- <i>Dr. Diviya Alex, CMC Vellore</i>
04:00PM - 04:30PM	Closing, Questions and Tea

REGISTRATION

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FEBRUARY 2025 Christian Medical College, Vellore, India



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Preference	Early Bird Till Jan 25, 2025	Regular Jan 26 To Feb 05, 2025	Late/Spot From Feb 06, 2025
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Note: The Registration fees mentioned above is inclusive of GST.

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- Conference luncheons and welcome/ gala dinner.
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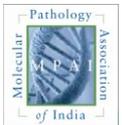
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