

72nd ANNUAL CONFERENCE OF IAPM & IAP-ID

Organised by:

DEPARTMENT OF PATHOLOGY

SCB Medical College.

In collaboration with: ODISHA PATHOLOGY

PRE-CONFERENCE WORKSHOP

11th December 2024

Venue: Sum hospital, Bhubaneswar

Title: Basics of Molecular Diagnostics

Moderator: Dr. (Col.) Deepak Kumar Mishra,
Senior Consultant Lab Hematology and Molecular Pathology, Tata Medical Center, Kolkata

Faculties: Dr. Shivangi Harankhedkar
Dr. Subhashree Subhasmita Dash
Dr. Sushant Vinarkar
Dr. Indranil Dey

Time	Topic	Name of speaker
8:30 - 9:00	Registration & breakfast	
9:00 - 10:00	Inauguration	
10:00 - 10:30	How to set up a molecular laboratory?	Dr. (Col.) Deepak Kumar Mishra
10:30 - 11:00	Fundamentals of polymerase chain reaction	Dr. Shivangi Harankhedkar
11:00 - 11:30	Hematology primer: RT-PCRs for BCR::ABL1 and PML::RARA transcripts	Dr. Shivangi Harankhedkar
11:30 - 12:00	Probing solid organ malignancies: PCR for EGFR gene mutations in lung cancers	Dr. Subhashree Subhasmita Dash
12:00 - 12:30	Basics of NGS and bioinformatics	Dr. Sushant Vinarkar
12:30 - 13:00	Variant calling and data analysis in NGS	Dr. Indranil Dey
13:00 - 14:00	Lunch	
14:00 - 16:00	Demonstration of basic wet lab techniques in laboratory: nucleic acid extraction, purity assessment, reverse transcriptase reaction, PCR set up and analysis	
16:00 - 16:15	Conclusion	