

# 72<sup>nd</sup> ANNUAL CONFERENCE OF IAPM & IAP-ID

Organised by:

DEPARTMENT OF PATHOLOGY

SCB Medical College.

In collaboration with: ODISHA PATHOLOGY

## PRE-CONFERENCE WORKSHOP

11<sup>th</sup> December 2024

Venue: SCB MCH, Cuttack

**Title: Fluorescent In Situ Hybridization in Solid Tumors:  
“Probes, Lights, Genes in action”**

**Moderator:** Dr. Vandana Raphael, Sr. Professor & HOD Pathology, NEIGRIHMS

**Faculties:** Dr. Saumya Ranjan Mallick, Addl. Professor AIIMS New Delhi

Dr. Evarisalin Marbaniang, Addl Professor, Pathology, NEIGRIHMS

Dr. Biswajit Dey, Associate Professor, Pathology, NEIGRIHMS

Dr. Manoj Kumar Patro, Professor, Pathology, MKCG MCH Brahmapur

**Technical support:** Shri Nipan das

Time	Topic	Name of speaker
8:30 - 9:30	Registration & Breakfast	
9:30 - 10:00	Inauguration	
10:00 - 10:30	Introduction : Principles and Overview of FISH	Dr. V.Raphael
10:30 - 11:30	FISH Hands on training. Day 1 Protocol Demonstration and discussion Preparation of reagents, Equipments maintenance and accessories setting up of the sample (Peripheral blood (PB)/FFPE tissue) and harvesting Slide preparation (PB and FFP)	
11:30 - 12:30	Lab Demonstration and discussion session 2 Deparaffinisation of FFPE slides Pretreatment and enzyme digestion of sample Chromosome denaturation Probe sample co- hybridization	
12:30 - 1:00	Interpretation of FISH	Dr. M.K Patro
13:00 - 14:00	Lunch	
14:00 - 15:00	Lab Demonstration and discussion session 3 Post hybridization sample treatment/ washing, addition of counter stain Visualization of signals, assessment and discussion	
15:00 - 16:00	Trouble shooting and safety in Molecular Pathology Lab	Dr. E. Marbaninag
16:00 - 16:30	Application of FISH in Lymphomas	Dr. Saumyanranjan Mallick
16:30 - 17:00	Application of FISH in Non-hematopoietic malignancies	Dr. Biswajit Dey