

64th ANNUAL CONFERENCE OF INDIAN SOCIETY OF HAEMATOLOGY & BLOOD TRANSFUSION

2ND - 5TH NOVEMBER 2023

WORKSHOP ON NEXT GENERATION SEQUENCING IN HEMATOPATHOLOGY

Coordinator: Dr. Shivangi Harankhedkar
& Dr. Sarita Pradhan

TIME	TOPIC
8:30 - 9:00 AM	Registration and breakfast
9:00 - 9:20 AM	Inauguration
9:20 - 9:30 AM	Introduction to workshop Speaker: Nikhil Patkar
9:30 - 9:50 AM	NGS and its evolution in clinical practice from conventional tests, and its role in oncology and non-oncology practice Speaker: PG Subramanian
9:50 - 10:10 AM	Establishing NGS laboratory; Basic principles of NGS and planning a genomics lab and Comparison and Principles of Next-Generation Sequencers Speaker: Shivangi Harankhedkar
10:10 - 10:30 AM	Basics of Panel design in NGS Speaker: Nikhil Patkar
10:30 - 10:50 AM	Preparation of high quality input material (RNA/DNA/cfDNA) & quality control Speaker: PG Subramanian
10:50 - 11:00 AM	Tea Break
11:00 - 11:20 AM	Planning a sequencing experiment: Library preparation, Sequencing Speaker: Nikhil Patkar
11:20 - 11:40 AM	Basic Bioinformatics Tools in NGS Speaker: Vishram Terse
11:40 - 12:00 PM	Variant Calling, Annotation and data analysis Speaker: Gaurav Chatterjee
12:00 - 01:30 PM	Analysis of Cases: Lab Based Exercises All Speakers
01:30 PM Onwards	Lunch

VENUE:

IMS & SUM Hospital, Bhubaneswar