

WORKSHOP ON MOLECULAR GENETICS

Participants: 10-12

Venue : Lab Conference hall (UG floor) , Medanta -The Medicity, Gurgaon

Date : 07-11-2019

Time : 10 AM – 4 PM

	TOPIC	TIMING	PRESENTOR
I	LECTURES		
1.	Introduction to the equipment in Molecular Hematology	10-10:30AM	Dr. Nitin Mathur
2.	Panels used for a) BCR-ABL, b) JAK2, C) AML d) ALL, e) MPN	10:30 – 11AM	Dr. Nitin Mathur
3.	Introduction to the equipment in cytogenetics, Karyotyping and FISH	11-11:30 AM	Akshay Gore
4.	Karyotyping for a) AML, b) ALL, c) MDS, d) CML, e) MPN	11:30-12PM	Akshay Gore
5.	Probes required for FISH in a) Acute Leukemias b) CLL c) Multiple Myeloma d) CML		Akshay Gore
II	Visit to Laboratories		
1.	Molecular Hematology Lab	12-1PM	Dr. Nitin Mathur
2.	Cytogenetics Lab		Akshay Gore
LUNCH (1PM – 2PM)			
III	CASE STUDIES		
1.	Case studies in Cytogenetics, Karyotyping and FISH	2-3PM	Dr. Manorama Bhargava
2.	Case studies in Molecular Hematology	3-3:30PM	Dr. Udayakumar.D.S
IV	FUTURE EXPANSION		
1.	Molecular Oncology in solid tumours (Lymphomas, Breast carcinoma, Lung cancer and Colonic carcinomas) employing FISH and NGS (Ion Torrent)	3:30-4PM	Dr. Manorama Bhargava
2	Liquid Biopsy		