



Department of Clinical Haematology, Haemato-Oncology & Bone Marrow (Stem Cell) Transplantation and Department of Pathology

Christian Medical College & Hospital, Ludhiana



Dialectic Masterclass in Haematology

“A Collaborative CMC Ludhiana - ICH & ISHBT Programme”

Date: Friday, 10th July, 2026

Topic - Flow Cytometry

Venue: 2nd Floor, Guy N Constable Auditorium, CMC Ludhiana

4 Credit Hours per day

Guest Faculty



Dr. Arun Kumar Arunachalam, MD, PDF
Associate Professor
Department of Haematology
CMC & Hospital, Vellore, Tamil Nadu



Dr. Man Updesh Singh Sachdeva, MD, DNB
Associate Professor
Department of Haematology
PGIMER, Chandigarh

CMC Ludhiana Faculty



Dr. M Joseph John, MD, DM, MBA (HHSM)
Associate Director, Professor & HOD
Department of Clinical Haematology



Dr. Shruti Kakkar, MBBS, MD
Professor, Department of Pediatrics
Consultant, Department of Clinical Haematology



Dr. John Abraham, MBBS, MD, DM
Assistant Professor
Department of Clinical Haematology



Dr. V Sai Rajesh, MBBS, MD, DM
Assistant Professor
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Agenda

Date: Friday, 10th July, 2026

Topic - Flow Cytometry

Time	Duration	Name of the Session	Faculty
10:00 -10:05 AM	5 mins	Prayer	Fellowship Department
10:05 – 10:10 AM	5 mins	Welcome Address	Dr. Willam Bhatti (Director)
10:10 – 10:20 AM	10 mins	Inauguration & Course Overview	Dr. M. Joseph John
10:20 – 11:00 AM	40 mins	Fundamentals of Flow Cytometry	Dr. Arun Arunachalam
11:00 – 11:45 AM	45 mins	Panel Design & Instrument Optimization	Dr. Arun Arunachalam
11:45 AM – 12:00 PM	15 mins	Tea Break	
12:00 – 12:45 PM	45 mins	Immunophenotyping in Acute Leukemia	Dr. Arun Arunachalam
12:45 – 01:15 PM	30 mins	MRD in Acute Leukemia – Concepts and Principles	Dr. Man Updesh Singh Sachdeva
01:15 – 02:15 PM	60 mins	Lunch Break	
02:15 – 03:00 PM	45 mins	MRD in Acute Lymphoblastic Leukemia (ALL)	Dr. Arun Arunachalam
03:00 – 03:45 PM	45 mins	MRD in Multiple Myeloma	Dr. Man Updesh Singh Sachdeva
03:45 – 04:00 PM	15 mins	Tea Break	
04:00 – 04:45 PM	45 mins	MRD in Acute Myeloid Leukemia (AML)	Dr. Arun Arunachalam
04:45 – 05:15 PM	30 mins	Use of Flow Cytometry in Benign Diseases	Dr. Man Updesh Singh Sachdeva
05:15 – 06:00 PM	45 mins	Immune Monitoring and Immune Reconstitution by Flow Cytometry	Dr. Arun Arunachalam
07:30 PM onwards		Dinner	