

Flowcytometry Workshop and CME on Leukemia Immunophenotyping

On 17-18 November 2025

As a Pre-conference Activity of

IMMUNOCON-2025

52nd Annual Conference of Indian Immunology Society [IIS]

Jointly organized by-

Motilal Nehru National Institute of
Technology Allahabad, Prayagraj-
211004 [U.P.], India

&

Trust for Education and Training in
Cytometry [TETC]

Supported by-

National Academy of Medical Sciences (NAMS), India

With the Technical Support of-

Beckman Coulter Life Sciences & Biogene India

17th November 2025: Day-1

09:00 – 09:30	Welcome and Inauguration	MNNIT and TETC Committees	Institute Seminar Hall
09:30 – 09:35	NAMS introduction	NAMS observer	
09:35 – 09:45	Pre- Assessment Session		
09:45 – 10:15	<i>Basics of Flow Cytometry</i>	Dr. Hemant Agrawal [TETC]	
10:15 – 11:00	<i>Applications of Flow Cytometry in Biomedical Research and Clinical Diagnostics</i>	Dr. Rajiv Kumar, BHU, Varanasi	
11:00 – 11:30	Tea Break		
11:30 – 13:00	<i>Lab Module 1: Overview of Instrument, Setup, and Quality Control</i>	i) Dr. Rekha Gour [TETC] ii) Mr. Jithin C Mohan [Beckman Coulter]	Institute Seminar Hall
13:00 – 14:00	Lunch Break		
14:00 – 15:30	<i>Designing a Multicolor Flow Cytometry Experiment</i>	i) Dr. Ankit Saxena [Rutgers Cancer Institute of New Jersey, USA] [Online] ii) Dr. Hemant Agrawal [TETC]	Institute Seminar Hall
15.30 – 16.00	Tea Break		
16:00 – 17:30	<i>Lab Module 2: Multicolor Immunophenotyping — Instrument Setup, Compensation, and Data Acquisition</i>	i) Dr. Hemant Agrawal [TETC] ii) Dr. Jitendra K. Shandilya [Beckman Coulter]	Institute Seminar Hall

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18th November 2025: Day-2

Parallel session-1: Cell sorting

Parallel session-1	09:00 – 09:15	Review of Day 1		Institute Seminar Hall
	09:15 – 11:00	Lab Module 3: Cell Sorting	i) Dr. Ambak Kumar Rai [MNNIT Allahabad] ii) Dr. Jitendra K. Shandilya [Beckman Coulter]	
	11:00 – 11:30	Tea Break		
	11:30 – 13:15	Lab Module 4: Multiplex Bead Array	i) Dr. Manmohan Bajaj [BioGene India] ii) Dr. Rekha Gour [TETC] iii) Mr. Jithin C Mohan [Beckman Coulter]	Institute Seminar Hall

Parallel session-2: CME on Leukemia Immunophenotyping (Nov 18, 2025)

	09:00 – 09:15	Review of Day 1		LHC-1
	09:15 – 09:50	Leukemia Immunophenotyping: Principles, Pitfalls, and Evolving Standards	Prof. D. K. Mitra [AIIMS New Delhi]	
	09:50 – 10:20	Need of leukemia phenotyping in diagnosis and treatment	Dr. Faheema Hasan, [United Institute of Medical Sciences, Prayagraj]	
	10:20 – 11:00	Flow Cytometric Markers in Acute and Chronic Leukemias: Choosing the Right Panels	Dr. Ruchi Gupta [SGPGIMS Lucknow]	
	11:00 – 11:30	Tea Break		
	11:30 – 12:05	Laboratory Module: Sample Preparation, Quality Control, and Troubleshooting in leukemia Immunophenotyping	Dr. Nitin Dayal [Max Hospital, New Delhi]	LHC-1
	12:05 – 12:40	Laboratory Module: Data Acquisition, Analysis	Dr. Nitin Dayal [Max Hospital, New Delhi]	
	12:40 – 13:30	Laboratory Module: Clinical correlates and flow cytometry results: Interpretation and reporting	Dr. Ruchi Gupta [SGPGIMS Lucknow]	
	13:30 – 14:15	Lunch		
	14:15 – 16:00	Data Analysis and Presentation	Dr. Hemant Agrawal [TETC]	Institute Seminar Hall
	16:00 – 16:15	Tea break		
	16:15 – 16:30	Post Assessment session/Feedback Session		Institute Seminar Hall
	16:30 – 16:35	NAMS concluding remark	NAMS observer	
	16:35 – 17:00	Valedictory Session	MNNIT Allahabad and TETC Teams	

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