

**INDO-US Flow-cytometry Workshop -Diagnosis of Primary Immune-deficiency Disorder
(7th-8th March 2019)
Tentative Programme**

Day – 1		Thursday, 7th March 2019			
8:30 – 09:00		Registration			
Session 1		Introduction to Flow-cytometry			
Time	Topic	Speakers			
9:00 – 9:40	Principles of flow-cytometry	Dr Zosia Maciorowski			
9:40 - 10:20	Quality assurance	Dr Zosia Maciorowski			
10:20 – 10:45	Tea/Coffee break				
Session 2		Keynote Address			
Time	Topic	Speakers			
11:45-11:30	New diagnostic techniques adding value to Primary Immune-deficiency(PID) diagnosis	Dr Sergio Rosenzweig			
Session 3		Tips to early diagnosis of PID			
11:30-11:50	Flow-cytometry for diagnosis of PIDs- Scenario from India	Dr Manisha Madkaikar			
11:50-12:20	EBV and Immunodeficiency	Dr Mukesh Desai			
12:20-12:50	Mendelian Susceptibility to Mycobacterial Diseases	Dr Ayadan Ikinogullari			
12:50-13:20	Interpretation of Laboratory results	Dr Sergio Rosenzweig			
13:20-13:30	Group Photo				
13:30-14:00	LUNCH				
Session 4		PRACTICAL SESSION			
For Clinicians- Approach and case based discussions		For flow participants			
A		B			
Expert Panelists: Dr Mukesh Desai, Dr Nitin Shah, Dr Swati Kanakia		M O D U L E 1	M O D U L E 2	M O D U L E 3	M O D U L E 4
Approach to CVID - Dr Amit Rawat Followed by case discussions					
Expert Panelists: Dr Manisha Madkaikar, Dr Mamta Mangalani					
Approach to SCID – Dr Nita Radhakrishnan Followed by case discussions					
Expert Panelists: Dr Nitin Shah, Dr Ambreen					
Approach to Th17 deficiency disorders- Dr Biman Saikia Followed by case discussions					

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Day - 2		Friday, 8th March 2019			
Session 5		New diagnostic techniques adding value to PID diagnosis			
Time	Topic	Speakers			
9:00-9:30	Specific molecule expression for diagnosis of PIDs	Dr Ayadan Ikinciogullari			
9:30-10:10	Anti-cytokine antibodies - their application in PIDs	Dr Steven Holland			
10:10-10:30	Complement And Atypical Hemolytic Uremic Syndrome (a HUS): Understanding the genetic spectrum and laboratory testing in the biological therapeutics era.	Dr Roshni Abraham			
10:30-11:00	Tea/Coffee break				
Session 6		Tips to early diagnosis of PIDs			
Time	Topic	Speakers			
11:00-11:30	Antibody deficiencies	Dr Surjit Singh			
11:30-12:00	Extensive B cell immune-phenotyping - When and why?	Dr Sudhir Gupta			
12:00-12:30	Functional flow assays for evaluation of PIDs	Dr Sergio Rosenzweig			
12:30-13:00	Disorders of Immune Tolerance	Dr Amita Aggarwal			
13:00-13:30	LUNCH				
Session 7		PRACTICAL SESSION			
For Clinicians- Approach and case based discussions		For flow participants			
A		B			
Expert Panelists: Dr Amita Aggarwal, Dr Sergio Approach to Auto inflammatory disorders- Dr Deepti Suri Approach to HLH – Dr Snehal Shabrish Followed by case discussions		M O D U L E	M O D U L E	M O D U L E	M O D U L E
Expert Panelists: Dr Deepti Suri, Dr Nitin Shah Approach to Hyper IgM Syndrome (beyond X-HIGM)- Dr Sagar Bhattad Followed by case discussions					

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FLOW MODULES

Topic	Level	Time	Sub-Topics	Faculty
Module 1: Basic Flow cytometry	Basic	14:00- 15:30	Basics of Flow cytometry	Dr Zosia Macrowski
		15:30-16:00	Instrument Setting	Dr Kunal Sehgal
		16:30-17:30	Compensation	
Module 2: Baseline Screening for PIDs	Basic	14:00-15:30	Lymphocyte Subset Analysis	Ms Maya Gupta Dr Madura Kelkar
		16:00-17:30	DHR	Dr Gauri Hule Dr Mansi Kulkarni
Module 3: Multi- parametric Assays	Advanced	14:00-15:00	Panel Design	Dr Prashant Ms Neha
		15:00-16:00	Multi-color Immune phenotyping	
		16:30-17:30	Utility of multi parametric assays- B,T Memory	Dr Mani Ms Manisha
Module 4: Functional assays	Advanced	14:00-16:00	Signal transduction: STAT 1	Ms Aparna Dalvi Dr Ayadan
		16:30-17:30	Luminex based bead assays	Dr Snehal Shabrish Dr Paresh Jain/Mr Peter