

CME IN IMMUNOLOGY
 Clinician-Basic Scientist Interaction
 11-12 SEPT. 2017

Day-1: 11.09.2017

9:00-9:30	Inauguration of CME	Director, PGI
Session-1: Chair-persons: Prof S Sehgal & Prof S. Varma		
9:30-10:30	Introduction to the Immune System and Innate Immunity	Abul Abbas
10:30-11:00	Immune-dysregulation in disease- a clinician's perspective	S Varma
11:00-11:30	TEA BREAK	
11:30-12:00	Major Histocompatibility Complex	Sunil K Arora
12:00-1:00	Antigen Presentation, T Cell Activation and Co-stimulation	Abul Abbas
1:00-2:00	LUNCH	
Session-II: Chair-persons: Prof. Anil Narang & Prof. Surjit Singh		
2:00-2:45	B-cells and antibodies	Abul Abbas
2:45-3:30	Primary Immune Deficiencies- Case presentations	Surjit Singh & Team
3:30-3:50	TEA BREAK	
3:50-4:35	Neonatal immune landscapes: Indian lessons	Satyajit Rath
4:35-5:00	Utility of markers of innate immunity in diagnosis and prognostication of neonatal sepsis	Paresh Jain
5:00-5:30	Clinician-Scientist Discussion	Moderator

Day 2: 12.09.2017

Session-IV: Chair-persons: Prof. R W Minz & Prof. D K Mitra		
9:00-10:00	T Cell Regulation and Tolerance	Abul Abbas
10:00-10:30	T-regulatory cells in infections	D K Mitra
10:30-11:00	Stem cells: Role in immune regulation	Sujata Mohanty
11:00-11:30	TEA BREAK	
11:30-12:15	General lessons from local investigation of an immune-inflammatory disorder in India	Satyajit Rath
12:15-1:00	Immunology of Cancer	Abul Abbas
1:00-1:30	Clinician Scientist Discussion	Moderator
1:30	Wrap-up & Introduction to Flowcytometry workshop	Sunil K Arora

TCS-PGI-FLOWCYTOMETRY WORKSHOP ON STEM CELLS
12-13 Sept., 2017

12th Sept. 2017		
2:30-3:00	Tutorial on Isolation, characterization and culture of Hematopoietic stem cells (HSC) from Bone Marrow	Sujata Mohanty
3:30-3:45	Tea break	
3:00-5:30	Wet workshop on HSC	Sujata Mohanty and team
13th Sept, 2017		
9:00-9:20	Mesenchymal Stem cells from Umbilical cord- tutorial	Sunil K Arora
9:20-9:40	Isolation, characterization and culture of Mesenchymal Stem cells from Bone marrow-tutorial	Aruna Rakha Arora
9:40-10:00	Isolation, characterization and culture of MSCs from Dental pulp	Shalmoli Bhattacharya
10:00-1:00	Wet workshops on MSCs	Mehak, Urvashi, Anuka
11:00-11:15	Tea Break	
1:00-2:00	Lunch Break	
2:00-2:30	Tutorial on isolation, characterization and culture of Cancer stem Cells from solid tumors	Sunil K Arora
2:30-3:00	Wet workshop on CSC	Ninjit
3:00-3:15	Tea Break	
3:00-5:00	Wet workshop on CSC -continued	
5:00	Wrap-up	Sunil K Arora