

**Workshop on Flow Cytometry in Transplantation Immunology 2018**

**Venue: Dr. B.R.A.IRCH, AIIMS, New Delhi**

**Dates: 31st October- 1<sup>st</sup> November, 2018**

**Workshop Coordinator: Dr. Anil Handoo & Dr. Gurvinder Kaur**

<b>Scientific Program: Day 1</b> 31 <sup>st</sup> October, 2018	
	<b>Key Note Address</b>
9:00 -10.00 am	Donor specific antibody screening in transplantation: from <i>in vitro</i> to virtually <i>in silico</i>
10:00-10:30 am	<b>TEA BREAK</b>
	<b>Session 1: Antibody screening in organ transplantation</b>
10:30 -11:00 am	Basics concepts of HLA typing, Ab screening (cell based and solid phase assays) Cross match (XM) for donor selection
11:00 – 1:00 pm	CDC XM / FCXM Experiment design Antibody staining Sample acquisition
1.00 - 2.00 pm	<b>LUNCH</b>
	<b>Session 2: Luminex based assays for Antibody screening (Immucor)</b>
2:00 -4:00 pm	Labscreen assays for PRA Single antigen assays for DSA Kidney solid organ response test (kSORT)
4.00-4.30 pm	<b>TEA BREAK</b>
	<b>Session 3: Results and analysis</b>
4.30-6.00 pm	Data interpretation and discussion Reporting MFI and MCS and their cut-offs? FCXM – How to avoid Artifacts?
<b>Scientific Program: Day 2</b> 1 <sup>st</sup> November, 2018	
9:00 -10:00 am	Review of Day 1
10:00-10:30 am	<b>TEA BREAK</b>
	<b>Session 4: Flow cytometry in HSCT</b>
10.30-11.30 am	Selection of unrelated donors for allo-HSCT
11.30 -12.30 pm	Post HSCT chimerism monitoring
12.30-1.30 pm	Utility of Virtual cross match
1.30 -2.30 pm	<b>LUNCH</b>
	<b>Session 5: Troubleshooting</b>
2:30 – 3.30 pm	Current updates and future perspectives Case Studies; Open Hour Discussion
3.30 pm	<b>VALEDICTORY &amp; TEA</b>