

Tata Memorial Centre,
National Institute of Immunohaematology and
National Institute for Research in Reproductive Health
Mumbai

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24th - 28th Oct 2015

In association with ISAC

Program of Conference & Workshops

"Program includes multiple workshops, both for beginners as well as experts in cytometry"

Date	Clinical	Research
24, Saturday		8 th Annual TCS Meeting at TMH
25, Sun Morning		8 th Annual TCS Meeting at TMH
25, Sun Afternoon	Clinical Symposium at TMH	Basics of Flow Cytometry at TMH
26, Monday	Clinical Symposium at TMH	Research module I-NIRRH
27, Tuesday	Clinical module I-TMH day 1 Clinical module II-TMH day 1 Clinical module I-TMH day 2	Clinical module III-NIIH day 1 Research module II-ACTREC day 1
28, Wednesday	Clinical module II-TMH day 2	Research module II-ACTREC day 2 Research module III- (I+II) ACTREC +NIRRH (26 th – 28 th)

International Faculty

- › A Orfao (University of Salamanca, Spain)
- › A Saluk (The SCRIPPS Research Institute, Florida, USA)
- › A Krishan (University of Miami School of Medicine, USA)
- › BL Wood (Seattle Cancer Care Alliance, USA)
- › M Borowitz (Johns Hopkins University School of Medicine, USA)
- › P Wallace (Roswell Park Cancer Institute, USA)
- › TA Fleisher (National Institute of Health, USA)
- › V Tanavde (Bioinformatics Institute, Singapore)
- › W Telford (Center for Cancer Research, NIH, USA)
- › Z Maciorowski (Curie Institute, France)

National Faculty

- › A Rawat
- › A Agarwal
- › A Dalvi
- › A Chopra
- › B Narayanan
- › B Saikia
- › H Krishnamurthy
- › H Agarwal
- › K Sehgal
- › M Madkaikar
- › M Gupta
- › M Chatterjee
- › M Desai
- › N Patkar
- › N Radhakrishnan
- › PG Subramanian
- › P Tembhare
- › R Gupta
- › SV Chiplunkar
- › S Arora
- › U Chatterji
- › V Patel

Corporate Coordinators

- › A Jarare (BC)
- › A Gupta (Sysmex)
- › A Mohanty (BC)
- › B Edouard (Invitrogen)
- › KC Ponnappa (Invitrogen)
- › P Chauhan (ACEA)
- › R Saha (Bio-Rad)
- › S Basu (BD)
- › S Subhash (Bio-Rad)
- › T A Nagarjun (BD)

Patron: Rajan Badwe, Director TMC

Indo-US Cytometry Workshop Coordinator – Awtar Krishan

Organizing Committee

Secretary

S Gujral, TMC & P Tembhare, TMC

Members

SV Chiplunkar, TMC	A Dasgupta, SRL	A. Bandivdekar, NIRRH
PG Subramanian, TMC	M Madkaikar, NIIH	V Patel, NIRRH
K Sehgal, SPL	N Patkar, TMC	R Gour, TMC
V Mehrotra, SRL	S Vetale, TMC	Ashok K, TMC
Sitaram G. TMC	Y Badrinath, TMC	M Gupta, NIIH

Registration & Contact Info

Online registration:

http://tcs.res.in/registration_form/8th_annual_meeting.html

Registration is now open. [Click Here](#) to log into your member account & register.

Early registration deadline is SEPTEMBER 30, 2015, ₹ 1000 additional registration charges on or after 1st October

Abstract Submission:

Abstract deadline is SEPTEMBER 30, 2015.

Please click here to review the guidelines and submit an abstract.

There are best presentation awards and travel awards for TCS members.

Contact details for further information

Email: tcsmbai2015@gmail.com

Sitaram Ghogale: +91 9819280796

Important: We have applied for MMC Credits

24th October 2015

Time	Topic	Speaker
Day - 1	8 th Annual The Cytometry Society (TCS) Meeting - TMH, Mumbai	
8.00 AM onwards	Registrations	
8.30- 8.45	Inauguration	
8.45 - 9.15	Immunopathogenesis Of Disease - Role Of Flowcytometry	S Arora
9.15 - 9.45	HIV Immune And Viral Signatures: A Tale Of Two Flow Cells	V Patel
9.45-10.00	Corporate Talks	ACEA/BioRad
10.00 -10.30	T-γδ17 Cells In Gall Bladder Cancer	SV Chiplunkar
10.30 -11:00	Tea Break	
11:00 -11:45	Key Note Lecture: RNA Flow Cytometry	P Wallace
11:45 -12.00	Corporate Talks	Biologend/De Novo
12.00 -12.30	Advances In Flow Cytometry Instrumentation	W Telford
12.30 -1.00	T Cell ALL MRD - COG Experience	BL wood
1:00 – 1:55	Lunch Break & Poster Visit	
2:00 – 2.30	Multiple Myeloma MRD - AIIMS Experience	R Gupta
2.35 - 2.50	Corporate Talks	Invitrogen/Sysmex
2.50 – 3:45	6 Best Oral Paper Presentation	Patkar and Vainav
3:45 - 4.15	Tea Break And Visit To Corporate Exhibits	
4.30 - 4.45	Non-commercial Technical Presentations	Becton Dickinson
4.45 - 5.00	Corporate Talks	Merck/C8
5.00 - 5.15	Non-commercial Technical Presentations	Beckman Coulter
5.15 - 5.45	TCS Best Paper Award Winners Presentation & Felicitation Of Each Award Winner	A Krishan, L Rangan, R Gupta
5.45 - 7.00	Poster Presentations And Parallel TCS EC Meeting (Only For EC Members)	
7.00 - 10.00	Dinner	

25th October 2015

Time	Topic	Speaker
Day - 2	8th Annual The Cytometry Society Meeting (Day -2) - TMH, Mumbai	
9.00- 9.30	Functional assays in clinical Diagnostics	T Fleisher
9.30-10.15	Next Generation Flow Cytometry (NGFc)	A Orfao
10.15-10.35	Tea Break	
	Hall A (Clinical)	Hall B (Basic Science)
10.35 – 11.00	Interesting Clinical Case Presentations – S Gujral	Tracking of free radicals in health & disease by FC - M Chaterjee
11.05 – 11.25		FC in identifying chemoresistant cells in a tumor – Urmi Chatterji
11.30 - 12.10		Setting up core flow cytometry laboratory A Saluk
12.15 - 01.00	AGM, Felicitation & Vote of Thanks	
01.00 – 1.50	Lunch Break	
16 th Indo-US Clinical Symposium & Cytometry Workshops begins.....		
2.00 - 5. 30	Flow Cytometry in MDS Clinical Symposium	
2.00 - 5. 30 **Free Session**	**Basics of Flow and Build your own Flow cytometer** - W Telford & H Krishnamurthy	

8th Annual The Cytometry Society Meeting &
16th Indo-US Cytometry Workshop
Mumbai

25th October 2015

Time	Topic	Speaker
Clinical Symposium - Day – 1: Flow cytometry in Myelodysplastic Syndrome		
2:00-2:40	Hematopoietic stem cells and their differentiation: a wide outlook	A Orfao
2:45-3:25	Normal maturation patterns in Myelo-monocytic lineage	P Wallace
3:30-4:00	Normal maturation patterns and new markers in Erythroid lineage	K Sehgal

25th Oct 15	An evening talk – Common to all delegates - TMH	
4:15-5:15	The EuroFlow approach for the diagnosis and classification of mature B-cell leukemia/lymphoma	A Orfao

26th October 2015

TMH, Parel, Mumbai			NIRRH, Parel, Mumbai		
Clinical Symposium Day -2: Flow cytometry in MDS Symposium			Research Module- I : Flow cytometry in HIV & Infectious diseases		
9:30-10:20	FC dyspoietic patterns in the diagnosis of MDS.	BL Wood	9:00-10:30	Flow Cytometry & Sorting	W Telford
Tea break			Tea break		
10:40-01:00	Live Flow Cytometric analysis in MDS cases	A Orfao	11:00-12:00	Application of flow cytometry in infectious diseases with emphasis on HIV	P Wallace
Lunch			Lunch		
2:00-3:40	Live Flow Cytometric analysis in MDS cases	BL Wood	1:00-3:00	<u>Wet Lab:</u> HIV Monitoring (CD4 count assay)	W Telford P Wallace
Tea break			Tea break		
4:00-5:00	Demonstration of MDS cases from India	A Chopra P Tembhare	4:00-5:00	Evaluating cytokine response in HIV vaccine development research: Th1/Th2/Th17 response	W Telford P Wallace

27th October 2015

27th Oct 15	Morning talk – Common to all delegates - TMH	
9:00-9:40 am	Topic: What’s new in ALL: WHO 2015 classification	M Borowitz

TMH, Parel, Mumbai			TMH, Parel, Mumbai			NIIH, Parel, Mumbai		
Clinical Module I - Day 1 Plasma cell Neoplasms & MRD			Clinical Module II - Day 1 Flow Cytometry in Acute Leukemia			Clinical Module III - Day 1 Flow Cytometry in Primary Immunodeficiency Disorders		
10:00-10:30	FC immunophenotyping in MM: Diagnosis & prognosis	A Orfao	10:00-10:45	Basic approach in FC analysis in Acute Leukemia & Challenges in lineage assignment	Borowitz	10:00-10:45	Overview of immune system	M Desai
10:30-11:10	MM MRD: Clinical relevance & FC approach	A Orfao	Tea break			11:00-11:45	Flow cytometry for diagnosis of PID:	T Fleischer
Tea break			11:05-1:00	Live case analysis in FC analysis in Acute Leukemia	S Gujral Borowitz	11:45-12:15	Approach to diagnosis of immunodeficiency disorders	Madkaikar
11:30-1:00	Live demonstration of MM, SMM and MGUS cases	A Orfao Tembhare	Lunch	Lunch		12:15-01:00	Approach to diagnosis of immunodeficiency disorders	T Fleischer
Lunch	Lunch		2:00-4:30	Live case analysis in Acute Lymphoblastic Leukemia (B & T ALL) &	BL Wood Borowitz	Lunch	Lunch	
2:00-4:30	Live demonstration of MM MRD cases	A Orfao Tembhare	Introduction & Live case analysis in (B & T) ALL MRD			2:00-3:30	Lymphocyte subset analysis	M Gupta A Dalvi
						3:45-4:30	Interesting cases with dilemmas	Radha-krishnan
						4:30-5:00	Designing panels for PID	Fleischer

27th October 2015

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Research Module II - Day – 1		Flow cytometry: Translating Laboratory Discoveries to Clinics
9:30-10:30	Basics of flow cytometry	H Krishnamurthy
	Tea Break	
11:00-12:00	Polychromatic flow and spectral overlap	A Saluk
	Lunch	
	Wet Lab sessions	
1:00 – 5:00	Build your own cytometer	W Telford & H Krishnamurthy
	Multicolor flow and compensation	A Saluk, Z Maciorowski, A Mohanty, B Edouard, P Chauhan,
	Lymphocyte subset analysis	B Narayanan & S Basu
	Cytometric Bead Array	H Agrawal & TA Nagarjuna

28th October 2015

28 th Oct 15	Morning talk – Common to all delegates - TMH	
9:00-9:40 am	Topic: Flow cytometric evaluation of mast cell neoplasms	A Orfao

TMH, Parel, Mumbai			TMH, Parel, Mumbai			NIIH, Parel, Mumbai		
Clinical Module I – Day 2: AML MRD			Clinical Module II – Day 2 Flow Cytometry in Lymphoma			Clinical Module III – Day 2 Flow Cytometry in Primary immunodeficiency Disorders		
10:00-10:40	Clinical relevance of AML MRD	BL Wood	10:00-10:40	B cell ontogeny	A Orfao	10:00-10:45	Approach to patient with defects in the innate immune system	M Desai
	Tea break			Tea break				
11:00-11:35	Leukemia associated immunophenotypes in AML as a basis for AML MRD	N Patkar	11:00-12:00	FC approach & Live case analysis in B-cell CLPD	M Borowitz	11:00-11:45	Auto inflammatory disorders: diagnostic approach	A Agarwal
11:40-1:00	New approaches to the diagnosis, classification and monitoring of AL: focus on AML	A Orfao	12:00-01:00	Live case analysis- B NHL	Subramanian	11:45-12:15	Approach to adult with lymphopenia:	T Fleischer
	Lunch			Lunch		12:15-12:45	Diseases of immune dysregulation	Madkaikar
2:00-3:15	Live demonstration of AML MRD cases	N Patkar	2:00-3:00	T cell Ontogeny & T-cell types	A Orfao	12:45-01:15	Diagnostic facilities available in India	A Rawat
3:20 – 4:30	Live demonstration of AML MRD cases	BL Wood	3:05-3:50	FC approach and live analysis in mature T-cell and NK cell neoplasms	Subramanian	Lunch	Lunch	
				Tea Break		2:00-3:30	Lymphocyte subset analysis	M Gupta A Dalvi
			4:10-4:40	FC determination of T cell clonality in T NHL	P Tembhare	3:45-4:30	DHR assay	B Saikia M Kulkarni
						4:30-5:00	Perforin assay	S Mhatre

ACTREC, Kharghar, Navi Mumbai

Research Module II - Day – 2 :			Flow cytometry: Translating Laboratory Discoveries to Clinics
	Wet Lab sessions		
10:00 am – 3:00 pm	DNA Content, Apoptosis & Proliferation		A Krishan, W Telford, KC Ponnappa
	Cell Sorting		Z Maciorowski, R Saha, S Subhash
	Mesenchymal Stem Cell Analysis		V Tanavde & Z Maciorowski
	Quality Control and Data Analysis		H Agrawal, A Jarare

The meeting is supported by

