

TCS 2024

The Cytometry Society-India



Theme
Unraveling New Horizons of Cytometry
17-20 Oct 2024

16th Annual Conference & Workshops



Organizing Committee
Patrons
Dr. Sumeet Gujral
Dr. Manisha Madkaikar
Organizing President
Dr. P.G. Subramanian
Organizing Secretary-Clinical
Dr. Prashant Tembhare
Organizing Secretary-Basic Science
Dr. Vainav Patel

Organized by
ACTREC, Tata Memorial Centre, Navi Mumbai
ICMR-NIRRH, & ICMR-NIIH, Mumbai



16th Annual Conference & Workshops

TCS 2024

Speakers and Faculty



*Alberto Orfao
(Spain)*



*Aaron Tyznik
(USA)*



*Brent Wood
(USA)*



*Jahnavi Aluri
(USA)*



*Kimberly Gilmour
(USA)*



*Orianne Wagner
Ballon (France)*



*Roshini Abraham
(USA)*



*Paresh Jain
(Singapore)*



*Mubin Tarannum
(USA)*



A Nisar



A Handoo



A Bhat



A Chaturvedi



A Sing



A Gupta



B Bagal



D Kumar



D Panda



Ganesh Kumar



H Krishnamurthy



K Bommannan



K Rehman



M Sachdeva



N Mallik



N Sachdeva



N Gupta



N Jindal



R Pandey



S Gupta



S Epari



U Chatterji

Workshops: 17th Oct 2024

ACTREC, TMC, Kharghar, Navi Mumbai

Registration: 08'00-9'00

Common Lectures: Hall-KS

9'00-9'30	Basics of Flow Cytometry	P Tembhare
9'30-10'00	Deciding Panel: Factors to consider	PG Subramanian

Breakfast

Workshop-1a: Approach to ALL & ALL MRD - Day-1		(Hall-KS)
11'00-11'30	FCM in Acute Leukemia & lineage assignment	S Gupta
11'30-12'00	Baseline Risk-stratification in ALL	N Mallik
12'00-13'00	Live analysis of ALL cases	A Karla, A Bibi
14'00-14'25	FCM approach of B-ALL MRD	D Panda
14'30-14'55	High sensitivity & Post antiCD19 therapy B-MRD	G Chatterjee
15'00-15'30	BMRD live case analysis	P Dhende, M Singh
Tea/Coffee Break		
16'00-16'30	FCM approach to T-ALL MRD	A Gupta
16'35-17'00	T-MRD live case analysis	G Chatterjee

Workshop-2: Approach to CMML MDS, MPN		(HALL-PS)
11'00-11'40	Immunophenotypic approach to CMML	O Wagner-Ballon
11'40-13'00	CMML live case analysis	O Wagner-Ballon
14'00-15'00	Normal Myeloid/Erythroid maturation, stem cell abnormalities in MDS and JMML	A Orfao
15'00-15'30	FCM in JMML and other MPN: TMC experience	P Tembhare
Tea/Coffee Break		
16'00-16'30	Immunophenotypic approach to MDS diagnosis	B Wood
16'35-17'00	MDS cases – TMC	P Tembhare

Workshop-3a: Approach to B-CLPD & MM - Day-1		(Hall-PTC)
11'00-11'30	Immunophenotypic approach to B-CLPD	Ganesh KV
11'30-12'30	New updates in B-CLPD and live cases	A Orfao
12'35-13'00	FCM in marrow Involvement by BNHL	A Singh
14'00-14'25	Clinical value of BM involvement in NHL	B Bagal
14'30-15'30	B-CLPD Live cases analysis	S Sharma, K. Galani K Ghodke, A Vazifdar
Tea/Coffee Break		S Harankhedkar, M Kar
16'00-16'30	FCM Approach to Plasma Cell Disorders	MUS Sachdeva
16'35-17'00	MM Post-therapy assessment & MRD monitoring	S Java, B Bagal MUS Sachdeva

Workshops: 17th Oct 2024

ACTREC, TMC, Kharghar, Navi Mumbai

Time 11'00-17'00

Workshop-4: Spectral Flow Cytometry

(HALL-CCE)

11'00-11'40	Introduction to Spectral Flow Cytometry	Aaron Tyznik (USA)
11'45-12'30	Panel Designing for spectral flow cytometry	Aaron Tyznik
12'30-13'00	Setting up Reference controls & Unmixing	Aaron Tyznik
14'00-14'30	Introduction to Software Analysis	S Basu
14'30-15'30	Live cases: Spectral FCM	S Ghogale/J Patil

Tea/Coffee Break

Scientific Corporate session: BD Biosciences

(HALL-KS)

17'00-17'40	What's New!!	BD India Team
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17'30-18'00 Evening ~ Snacks & Tea/Coffee

Workshop: 17th Oct 2024

ICMR~NIIH & ICMR~NIRRCH, Mumbai

Time 9'00-12'30

Common Lectures (NIRRCH)

... Basics of Flow Cytometry	H Krishnamurthy
... Application of Flowcytometry and Discussion	P Jain
... Panel Designing	S Walke

Time 13'30-18'00

Workshop-6: High Dimensional Data-Driven Discovery (NIRRCH)

- ... 30 colour panel acquisition on High Dimensional Cytometer BD Symphony A3
- ... Tutorial on FlowJo Conventional and Unsupervised high dimensional data analysis

Workshop-7: Conventional & Image Enabled Sorting (NIRRCH)

- ... Hands-on & Tutorial: Conventional and Spectral Sorting

Workshop-8: Inborn Errors of Immunity (IEI)

(NIIH)

- ... Overview of IEIs
- ... Diagnostic approach to Combined Immunodeficiency
- Hands-on processing in extended-LSS & Analysis
- ... Diagnostic approach to Phagocytic defects &
- Hands-on NBT/ DHR and Analysis
- ... Complete automation of PIDOT



Workshops: 18th Oct 2024

ACTREC, TMC, Kharghar, Navi Mumbai

Registration: 08'00-9'00

Common Lectures: Hall-KS

9'00-9'30	Immunophenotype approach to Hodgkin Lymphoma and differential diagnosis	B Wood
9'35-10'00	Quality Control in Flow Cytometry....	N Deshpande

Breakfast

Workshop-1b: Approach to AML & AML MRD - Day-2

(HALL-KS)

11'00-11'30	FCM data analysis approach to AML.	A Handoo
11'30-13'00	Live analysis of AML cases	S Johari, M Kar V Gadage
14'00-14'30	Analysis approach to AML MRD	N Patkar
14'35-15'30	AML MRD live cases	S Raj, S Thakur

Tea/Coffee Break

16'00-16'30	Rapid Fire - AML MRD cases	
16'35-17'00	How to diagnose ALAL: Live cases	G Chatterjee

Workshop-3b: Approach to T & NK CLPD - Day-2

(Hall-PTC)

11'00-11'30	Establishing FCM based T-clonality	A Chaturvedi
11'35-12'05	Approach to CD4+ T NHL	S Rajpal
12'10-13'00	Approach to CD8+/CD4+8+/CD4-8-T & NK-NHL	PG Subramanian
14'00-15'30	T-NHL: Histopathological Perspectives	S Epari S Rajpal, S Java

Tea/Coffee Break

16'00-17'00	T-NHL Live cases analysis	S Lakshmi, Sridevi HB P Gudapathi
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Workshop-9: Approach to non-Hematolymphoid neoplasms

(Hall-PS)

11'00-12'00	Immunophenotypic approach to RCT & other non-Hematolymphoid neoplasms	A Orfao
12'05-13'00	TMC experience in FCM role in RCT & other non-Hematolymphoid neoplasms.	P Tembhare
14'00-15'30	Live cases analysis – RCT & other NHL	A Orfao
16'00-17'00	Live cases analysis – RCT & other NHL – TMC	P Tembhare

Tea/Coffee Break

Workshop-10: Cytometric Bead Array

(Hall CCE)

11'00-11'30	Introduction to Cytometric Bead Array	N Deshpande
11'35-12'10	Clinical applications of Cytokine analysis	N Jindal
12'15-13'00	Standard operating procedure – CBA	K Girase
14'00-15'30	Hands-on processing in CBA	S Bane
16'00-17'00	CBA analysis and reporting results	S Poojary

Tea/Coffee Break

Workshops: 18th Oct 2024

ICMR~NIIH & ICMR~NIRRCH, Mumbai

Time 9'30-17'30

Workshop-6: continues... (NIRRCH)

High Dimensional Data-Driven Discovery

- ... 30 colour panel acquisition on High Dimensional Cytometer BD Symphony A3
- ... Tutorial on FlowJo Conventional and Unsupervised high dimensional data analysis

Workshop-7: continues... (NIRRCH)

Conventional & Image Enabled Sorting

- ... Hands-on & Tutorial: Conventional and Spectral Sorting

Workshop-8: Inborn Errors of Immunity (IEI) (Day-2 NIIH)

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|--|---|
| ... Pitfalls in Flowcytometry | K Gilmour |
| ... Functional Validation in Variant of Unknown Significance | J Aluri |
| ... Diagnostic approach to HLH | S Sabrish |
| ... Role of Flow Cytometry in Autoimmune disorders | R Abraham\ |
| ... Hands-on Perforin and Granule release assay & Analysis | S Sabrish/
S Shinde |
| ... Case-based Discussion | R Mallik
A Daivi
N Jodhawat
D Vedpathak
P Gaikwad |



16th Annual Conference

TCS 2024

19~20 Oct 2024

Conference Schedule: 19th Oct 2024

Time	Topics		
	Hall- KS		
8`30-9`10	Registration & Inauguration		
9`15-9`55	Internal and External Cellular dynamics reveal insights into differential infectious Disease Severity..... R Pandey		
10`00-10`45	Circulating tumor cells (CTC) in PCN, ALL & other HLN..... A Orfao		
10`45-11`00	BD Scientific lecture A Tyznik		
11`00-11`30	Breakfast		
	Hall- KS	Hall- PS	Hall- RRU
11`30-11`50	Markers predicting underlying genetics in AL..... S Rajpal	Correcting misdiagnosis: T-NHL P Tembhare	Stem cells and Cancer ... U Chatterjee
11`55-12`15	Markers predicting outcome in B-ALL K Bommanna	T-cell Clonality: TRBC1..... K Rahman	Cellular Therapy in ovarian cancer..... T Mubin
12`20-13`00	ALL MRD in CAR-T therapy.... B Wood	Immunophenotyping in Systemic Mastocytosis A. Orfao	Making CAR T cells in India for India.... A Nisar
13`00-13`10	Scientific Corporate lecture	Scientific Corporate lecture	Scientific Corporate lecture
13`10-14`10	Lunch Break		
	Hall- KS		
14`15-14`45	Defining Lineage in acute leukemia – WHO 5 th Edition.... B Wood		
14`50-15`20	Engineered exosomes from Tregs: novel therapy for Type-1 Diabetes N Sachdeva		
15`25-15`40	BC Scientific lecture V Ruocco		
15`40-16`20	TCS Best Published Paper Award Felicitations		
16`20-17`00	Tea/Coffee Break		
	Hall- KS	Hall- PS	
17`00-17`40	Oral presentations: Clinical	Oral presentations: Basic	
17`45-19`00	Poster evaluation / EC meeting		
19`30 onwards	Welcome Dinner		



16th Annual Conference

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19~20 Oct 2024

Conference Schedule: 20th Oct 2024

Time

Topics

Hall-KS

8`00-8`35	Navigating T-cell landscapes with advanced flow cytometry..	N Gupta
8`40-9`20	Monocyte/macrophage/PDC: Implications for the diagnosis and classification of AML	A Orfao
9`25-10`00	Innate immunity in tuberculosis pathogenesis....	D Kumar
10`00-10`25	Breakfast	
10`30-11`20	TCS Oration Award Ceremony	

Hall-KS

Hall-PS

11`30-12`00	Interesting clinical case presentation	Primary immunodeficiency..... M Madkaikar
12`00-12`30	Moderated by S Gujral & G Chatterjee	Cell free therapeutic approach for impaired wound healing... A Bhat
12`30-13`00	Interesting clinical case presentation	Intertwined paths of standardization, automation and AI in flow cytometry P Jain
13`00- 14`00	General Body meeting, Best Paper Awards, Travel awards & Vote of Thanks	

14`00 onwards **Lunch**

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