

16th Annual Conference & Workshops

The Cytometry Society-India
TCS 2024

Theme

Unraveling New Horizons of Cytometry

17-20 Oct 2024

Invited Faculties/Speakers

International Faculty

Alberto Orfao (Spain)
Brent Wood (USA)
Jahnavi Aluri (USA)
Kimberly Gilmour (UK)
Oriane Wagner-Ballon (France)
Paresh Jain (Singapore)
Roshini Abraham (USA)
Tarannum Mobin (USA)

National Faculty

Anil Handoo
Anugya Bhat
Anumeha Chaturvedi
Anu Singh
Avinash Gupta
Bhausahab Bagal
Devasis Panda
Dhiraj Kumar
Ganesh Kumar V
H Krishnamurthy
Jithin Mohan
Karthik Bommanan
Khaliqur Rahman

National Faculty

MUS Sachdeva
Nabhajit Mallik
Nagarjuna Tirunelvely
Naresh Sachdeva
Nimesh Gupta
Nishant Jindal
Rajesh Pandey
Ravi Hingorani
Ritu Gupta
Sanjeev Gupta
Sridhar Epari
Sumanta Basu
Swapnil Walke
Urmi Chatterjee

Registration & details:

<https://cytometryindia.org/>

Organized by

ACTREC, Tata Memorial Centre, Navi Mumbai
ICMR-NIRRH, & ICMR-NIIH, Mumbai
The Cytometry Society-India



Workshop details : 17th Oct 2024

ACTREC, TMC, Kharghar, Navi Mumbai

Time 9'00-10'15

Common Lectures: Hall-A

- | | |
|---|----------------|
| ... Basics of Flow Cytometry | P Tembhare |
| ... Deciding Panel: Factors to consider | PG Subramanian |

Time 11'00-17'00

Workshop-1a: Approach to ALL & ALL MRD ~ Day-1 (Participant capacity- 40)

- | | |
|--|-------------------|
| ... FCM in Acute Leukemia & lineage assignment | S Gupta |
| ... Baseline Risk-stratification in ALL | N Mallik |
| ... Live analysis of ALL cases | A Karla, A Bibi |
| ... FCM approach of B-ALL MRD | D Panda |
| ... High sensitivity & Post antiCD19 therapy B-MRD | G Chatterjee |
| ... BMRD live case analysis | P Dhende, M Singh |
| ... FCM approach to T-ALL MRD | A Gupta |
| ... T-MRD live case analysis | G Chatterjee |

Workshop-2: Approach to CMML MDS, MPN

(Participant capacity~ 40)

- | | |
|--|-----------------|
| ... Immunophenotypic approach to CMML | O Wagner-Ballon |
| ... CMML live case analysis | O Wagner-Ballon |
| ... Normal Myeloid/Erythroid maturation, | A Orfao |
| ... stem cell abnormalities in MDS and JMML | A Orfao |
| ... FCM in JMML and other MPN: TMC experience | P Tembhare |
| ... Immunophenotypic approach to MDS diagnosis | B Wood |
| ... MDS cases – TMC | P Tembhare |

Workshop-3a: Approach to B-CLPD & MM ~ Day-1 (40)

(Participant capacity- 40)

- | | |
|---|-----------------------|
| ... Immunophenotypic approach to B-CLPD | Ganesh KV |
| ... New updates in B-CLPD and live cases | A Orfao |
| ... FCM in marrow Involvement by BNHL | A Singh |
| ... Clinical value of BM involvement in NHL | B Bagal |
| ... B-CLPD Live cases analysis | S Sharma, K Galani |
| | K Ghodke, A Vazifdar |
| | S Harankhedkar, M Kar |
| ... FCM Approach to Plasma Cell Disorders | MUS Sachdeva |
| ... MM Case analysis | S Java |

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Time 11'00-17'00

- ... Introduction to Spectral Flow Cytometry R Hingorani
- ... Panel Designing for spectral flow cytometry R Hingorani
- ... Setting up Reference controls & Unmixing R Hingorani
- ... Introduction to Software Analysis S Basu
- ... Live cases: Spectral FCM S Ghogale/J Patil

Workshop-5: Single Cell analysis

(Participant capacity~ 20)

- ... Introduction to single cell seq technologies N Patkar
- ... scRNAseq: Analysis approach G Chatterjee
- ... Single cell sequencing in hematolymphoid neoplasm: Indian experience R Gupta

Workshop details : 17th Oct 2024

ICMR-NIIH & ICMR-NIRRCH, Mumbai

Time 9'00-12'30

Common Lectures

- ... 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 (Participant capacity~ 25)

- ... 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 (Participant capacity~ 25)

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

Workshop-8: Inborn Errors of Immunity (IEI)

(Participant capacity~ 25)

- ... Overview of IEIs M Madkaikar
- ... Diagnostic approach to Combined Immunodeficiency
Hands-on processing in extended-LSS & Analysis M Gupta/S Shinde
- ... Diagnostic approach to Phagocytic defects &
Hands-on NBT/ DHR and Analysis U Bargir/A Dalvi
- ... Complete automation of PIDOT BD Team

Workshop details : 18th Oct 2024

ACTREC, TMC, Kharghar, Navi Mumbai

Time 9'00-10'15

- Immunophenotype approach to Hodgkin Lymphoma B Wood
- Quality Control in Flow Cytometry.... N Deshpande

Time 11'00-17'00

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

- ... FCM data analysis approach to AML. A Handoo
- ... Live analysis of AML cases S Johari, M Kar
V Gadage
- ... Analysis approach to AML MRD N Patkar
- ... AML MRD live cases S Raj, S Thakur
- ... Rapid Fire - AML MRD cases
- ... How to diagnose ALAL: Live cases G Chatterjee

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

- ... Establishing FCM based T-clonality A Chaturvedi
- ... Approach to CD4+ T NHL S Rajpal
- ... Approach to CD8+/CD4+8+/CD4-8-T & NK-NHL PG Subramanian
- ... T-NHL: Histopathological Perspectives S Epari
- ... T-NHL Live cases analysis S Rajpal, S Java
S Lakshmi, Sridevi HB
P Gudapathi

Workshop-9: Approach to non-Hematolymphoid neoplasms

- ... Immunophenotypic approach to RCT & other non-Hematolymphoid neoplasms A Orfao
- ... TMC experience in FCM role in RCT & other non-Hematolymphoid neoplasms. P Tembhare
- ... Live cases analysis – RCT & other NHL A Orfao
- ... Live cases analysis – RCT & other NHL – TMC P Tembhare

Workshop-10: Cytometric Bead Array

- ... Introduction to Cytometric Bead Array N Deshpande
- ... Clinical applications of Cytokine analysis N Jindal
- ... Standard operating procedure – CBA K Girase
- ... Hands-on processing in CBA S Bane
- ... CBA analysis and reporting results S Poojari

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ICMR~NIIH & ICMR~NIRRCH, Mumbai



Time 9`30~17`30

Workshop-6: continues... (Day-2)

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... (Day-2)

Conventional & Image Enabled Sorting

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

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

- | | |
|--|---|
| ... 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 |

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16th Annual Conference

19-20 Oct 2024

Conference Schedule : 19th Oct 2024

Time	Topics
	Hall-A
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	Scientific Corporate lecture
11`00-11`30	
	Hall-A Hall-B Hall-C
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 Bommannan T-cell Clonality: TRBC1..... K Rahman Cellular Therapy in ovarian cancer..... T Mobin
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	 Hall-A
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	Scientific Corporate lecture
15`40-16`10	
16`15-17`00	Oral Paper presentations
17`00-17`40	TCS Best Published Paper Award Felicitations
17`45-19`00	Poster evaluation / EC meeting
19`30 onwards	Welcome   Dinner 

16th Annual Conference

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Conference Schedule : 20th Oct 2024

Time

Topics

Hall-A

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		
10`30-11`20	TCS Oration Award Ceremony	

Hall-A

Hall-B

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

