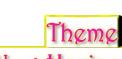
# 16th Annual Conference & Workshops

The Cytometry Society-India

**ICS** 2024



Inraveling New Horizons of Cytometru



### Invited Faculties/Speakers

International Faculty

Alberto Orfao (Spain)

Brent Wood (USA)

Jahnavi Aluri (USA)

Kimberly Gilmour (UK)

Orianne Wagner-Ballon

(France)

Paresh Jain (Singapore)

Roshini Abraham (USA)

Tarannum Mobin (USA)

Registration & details: "https://cytometryindia.org/ National Faculty

Anil Handoo

Anugya Bhat

Anumeha Chaturvedi

Anu Singh

Avinash Gupta

Bhausaheb Bagal

Devasis Panda

Dhiraj Kumar

Ganesh Kumar V

H Krishnamurthy

Iithin Mohan

Karthik Bommannan

Khaligur 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

Organized by

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



Organizing Patrons

Organizing President

Dr. Sumeet Gujral Dr. Manisha Madkaikar

Dr. P.G. Subramanian Dr. Prashant Tembhare

Dr. Vainav Patel

Organizing Secretary-Clinical Organizing Secretary-Basic Science Dr. Vainav Patel Other organizing committee members



















Time 11`00~17`00

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

... FCM in Acute Leukemia & lineage assignmentS GuptaBaseline Risk-stratification in ALLN 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,... stem cell abnormalities in MDS and JMMLA 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)

### Immunophenotypic approach to R<sub>2</sub>CLPD

... Immunophenotypic approach to B-CLPD... New updates in B-CLPD and live cases

... 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

(Participant capacity~

Ganesh KV

A Orfao

S Harankhedkar, M Kar

.. FCM Approach to Plasma Cell Disorders MUS Sachdeva

... MM Case analysis S Java

### Registration & other details: "https://cytometryindia.org/"













Introduction to Spectral Flow Cytometry
 Panel Designing for spectral flow cytometry
 Setting up Reference controls & Unmixing
 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: 17<sup>th</sup> Oct 2024 ICMR-NIIH & ICMR-NIRRCH, Mumbai

Time 9'00~12'30

#### Common Lectures

... Basics of Flow Cytometry H Krishnamurthy

... Application of Flowcytometry and DiscussionP Jain... Panel DesigningS 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

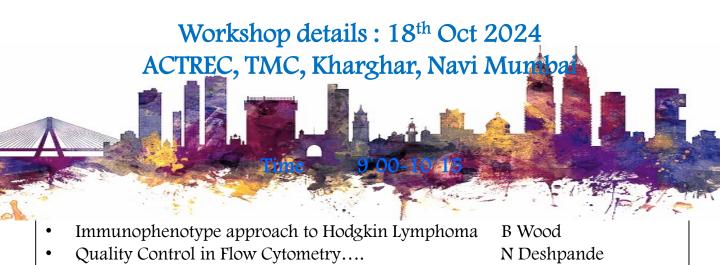












11`00~17`00

Time

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

N Deshpande

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

CBA analysis and reporting results S Poojari

Registration & other details: "https://cytometryindia.org/"









S Bane



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
 Functional Validation in Variant of Unknown Significance
 Diagnostic approach to HLH
 Role of Flow Cytometry in Autoimmune disorders
 Hands-on Perforin and Granule release assay & Analysis
 Sabrish/
 Shinde
 Case-based Discussion
 R Mallik
 A Daivi
 N Jodhawat











D Vedpathak P Gaikwad

# 16<sup>th</sup>Annual Conference



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 <sup>th</sup> 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				
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Welcome

19'30 onwards





# 16<sup>th</sup>Annual Conference



Time	Topics			
		Hall-A		
8`00~8`35	Navigating T-cell landscapes w	ith advanced flow cytometry	N Gupta	
8`40~9`20	Monocyte/macrophage/PDC: I classification of AML	implications for the diagnosis a	nd A Orfao	
9`25~10`00	Innate immunity in tuberculosi	s 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 N	y Madkaikar	
12`00~12`30	Moderated by S Gujral & G Chatterjee	Cell free therapeutic approimpaired wound healing		
12`30-13`00	Interesting clinical case presentation	Intertwined paths of stand automation and AI in flow		
13`00~ 14`00	General Body meeting, Best Pap Vote of Thanks	per Awards, Travel awards &		
14`00 onwards	4			









