

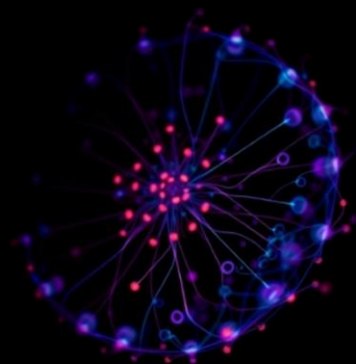
“Flow cytometry and its application in biological sciences and clinical diagnostics”



26th Indo-US Flowcytometry Workshop on Flowcytometry and its Application in Biological Sciences and Clinical Diagnostics

Jointly organized by
Trust for Education and Training in Cytometry (TETC)

&
Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST)



11th – 13th February, 2025



venue: SCTIMST,
Thiruvananthapuram
<https://forms.gle/ZUscJkYq92UMCFcN7>
Click here to register

Contact

Email: indiatect@gmail.com /

anugyabhattach@sctimst.ac.in/26flowcytosctimst@gmail.com

Phone: +91 7665130114 / +91 9446150443 / +91 9818994586

ORGANIZING COMMITTEE

PATRON

- Awtar Krishan
- R.C. Sobti
- Lissy Krishnan

ORGANIZING CHAIRPERSON

- Dr. Rekha R Gour

ORGANIZING SECRETARIES

- Dr. Anugya Bhatt
- Dr. Hemant Agrawal

MEMBERS

- Arvinder singh
- P.N Razdan
- Paul Wallace
- Khaliqur Rahman
- William Telford
- Vivek Tanavde
- Himanshu Tillu
- Ruchi Gupta



INDIAN FACULTY

CLINICAL

- Prashant Tembhare
- Khaliqur Rahman
- Ruchi Gupta
- Nitin Dayal
- Ramalingam Thulasi Raman
- Nupur Das
- Ankit Malhotra
- Priya Mary Jacob
- Maya Gupta
- Anantvikas Jayaram

RESEARCH

- Hemant Agrawal
- Rekha R Gour
- Vivek Tanavde
- Anugya Bhatt
- Santosh Kumar
- Himanshu Tillu
- Pragyan Acharya
- Michael D'Silva
- Renjith P. Nair

INTERNATIONAL FACULTY

- Paul Wallace (USA)
- Rui Gardner (USA)
- Brent Wood (USA)
- William Telford (USA)
- Paul Hutchinson (Singapore)
- Rajendra kumar (USA)
- Andrea Wang, USA

LOCAL ORGANIZING COMMITTEE (SCTIMST)

PATRON

- Prof. Sanjay Behari, Director, SCTIMST
- Dr. Harikrishna Varma, Head, BMT Wing, SCTIMST



ORGANIZING SECRETARY

- Dr. Anugya Bhatt, SCTIMST

CLINICAL ORGANIZING SECRETARY

- Dr. Amita R, SCTIMST

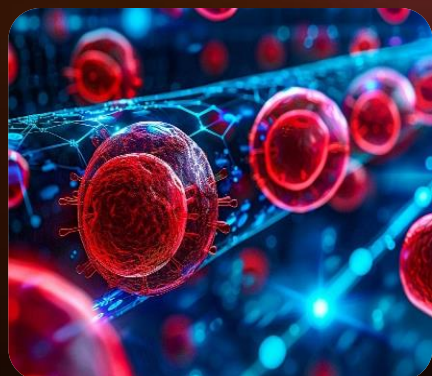
Last Date of Registration:

- Early Bird: 5th Jan 2025
- Regular: 30th Jan 2025

Click to Register

<http://www.tetc.in/2025>

<https://forms.gle/ZUscJkYq92UMCFcN7>



11-12 February 2025

Basic Clinical Cytometry Workshop

Immune Disorders Workshop

Advanced Clinical Cytometry Workshop

13 February 2025

**One day CME on
“Emerging trends in clinical flow cytometry”**

WORKSHOP HIGHLIGHTS



Lectures & Labs on :

- Basics of Flow Cytometry
- Applications of Flow Cytometry
- Advancement in Flow Cytometry
- Cell Sorting
- Flow Cytometry Data Analysis

Research Applications

- Introduction & Applications
- Instrument Setup and QC
- Sample Preparation
- Multicolor Immunophenotyping
- Cell Sorting
- Spectral Flow Cytometry
- Cell health(ROS/MMP/)
- Cell cycle and proliferation
- Apoptosis
- Data Analysis and presentation

Advanced Research Applications

- Multicolor Immunophenotyping
- Intracellular Staining for Cytokines
- Cell Sorting
- Image Flow Cytometry
- Spectral Flow Cytometry
- Multiplex Bead Array Assay for Cytokines
- High Dimensional Data Analysis
- Small Particle Analysis
- Publication Guidelines (MIFlowCyt)

Clinical Applications

- Introduction & Applications
- Instrument Setup and QC
- Sample Preparation
- **Basic clinical**
- Leukemia/Lymphoma
- PNH
- OFT
- CD34 enumeration)
- HLA Crossmatch
- Platelet Immunophenotyping

Advanced Clinical Applications

- MDS
- MPN
- B –ALL MRD
- T-ALL MRD
- AML –MRD
- Multiple myeloma

PID

- LAD
- DHR
- NBT

- TETC awards for oral/poster presentations
- TETC awards for best-published papers
- Dr.Awtar Krishnan Awards for quiz winners

Last Date of Registration:

- **Early Bird: 5th Jan 2025**
- **Regular: 30th Jan 2025**

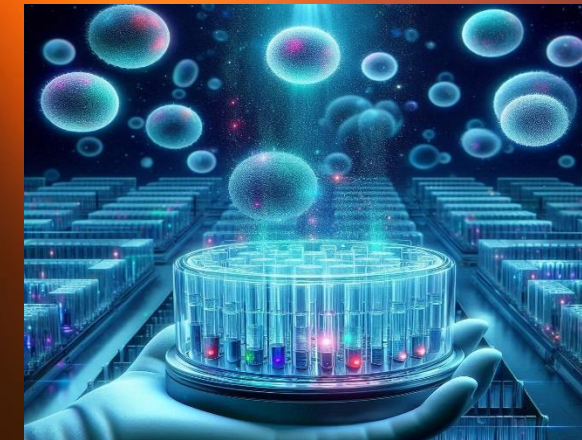
Click to Register

<http://www.tetc.in/2025>

<https://forms.gle/ZUscJkYq92UMCFcN7>

About INDO-US flow cytometry workshops

The INDO-US flow cytometry workshops in India were started by Prof. Awtar Krishan (USA) in collaboration with Dr. Ranbir Sobti (India) and Dr. Arvinder Singh (India) in 2002. These workshops were started with a vision of bringing experts from India, USA and abroad to the same platform, where their expertise can be harnessed by the participants to understand the basics and advanced concepts in flow cytometry and to apply this insight to their biological and clinical research. These workshops are conducted in collaboration with national institutes all over India. National and International faculties are invited to these workshops to deliver the lectures and conduct wet labs. Funds for these workshops are raised from the technology manufacturers and through government grants, which are used to cover travel, boarding and lodging and other expenses for conducting the workshop and wet labs. These funds are also used for awards and travel grants for selected workshop participants.



About Flow Cytometry

Flow cytometry is a sophisticated, high-throughput technique for the quantitative analysis and sorting of cells or particles in suspension. It measures physical properties such as size and granularity, alongside molecular characteristics via fluorescence labeling. Utilizing laser excitation and multiple detection channels, the technique allows simultaneous multi-parameter analysis of heterogeneous cell populations. Applications span immunophenotyping, cell cycle analysis, apoptosis studies, and rare cell detection. Its precision and adaptability make it indispensable in translational research, drug development, and clinical diagnostics, particularly in hematology, oncology, and immunology.

About SCTIMST

Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) is an internationally recognized institution in India, dedicated to advanced research, education, and healthcare in the fields of medical sciences and technology. Established by the Government of India, SCTIMST focuses on translating cutting-edge scientific research into medical innovations, with a strong emphasis on developing indigenous medical devices, diagnostic tools, and healthcare solutions. The Institute fosters interdisciplinary collaboration, providing a platform for scholars, researchers, and industry leaders to engage in pioneering work at the intersection of technology, medicine, and biomedical engineering.



About TETC

The Trust for Education and Training in Flow Cytometry (TETC) is an esteemed organization dedicated to advancing knowledge and expertise in flow cytometry. Its core mission is to provide high-quality education, training, and resources to researchers, clinicians, and healthcare professionals, empowering them to navigate the complexities of flow cytometry technology. TETC offers specialized workshops, seminars, and hands-on training sessions to enhance the skills necessary for the effective use of flow cytometry in various research and clinical applications, including immunology, oncology, stem cell research, and personalized medicine. These educational initiatives play a crucial role in building a global community of experts who can harness the power of flow cytometry for groundbreaking scientific discoveries and improved healthcare outcomes. Committed to fostering collaboration and knowledge exchange, TETC ensures that the latest advancements in technology and techniques are accessible to professionals worldwide, contributing to the continued evolution of the field.



Explore TVM

Thiruvananthapuram (TVM), the capital of Kerala, is a city rich in cultural heritage and natural beauty. Key attractions include the Sri Padmanabhaswamy Temple, renowned for its architectural splendor, and the Napier Museum and Zoo, which offer insights into the region's art and wildlife.

For nature lovers, Kovalam Beach and Varkala Beach provide serene coastal experiences, while the Ponmudi Hills offer scenic trekking opportunities. The Sree Chitra Art Gallery showcases traditional and contemporary art, and the Kanakakunnu Palace reflects Kerala's royal history. The city's vibrant Chalai Market is perfect for those interested in local handicrafts, spices, and textiles, making Thiruvananthapuram a blend of history, culture, and natural charm.

