



HANDS ON WORKSHOP ON FLOW CYTOMETRY

15-17TH MARCH 2023

SREE CHITRA TIRUNAL INSTITUTE
FOR MEDICAL SCIENCES AND
TECHNOLOGY
TRIVANDRUM, KERALA- 695012

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भारतीय
अमृत महोत्सव



**APPLICATIONS
ARE OPEN
UPTO 7TH
MARCH 2023**

FACULTY

Dr Krishnamurthy H.

Consultant,

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ABOUT THE WORKSHOP

Flow Cytometry is a technique used to detect and measure physical and chemical characteristics of a population of cells or particles. Flow cytometry is routinely used in basic & clinical research, clinical practice and clinical trials. The technology has applications in a number of fields, including Molecular biology, Pathology, Immunology, Virology, Plant biology and Marine biology. Aim of the workshop is to provide extensive hands on training to the participants.

About SCTIMST

SCTIMST is an Institution of National Importance under Dept. of Science & Technology, Govt. of India. The institute has the status of a University & offers excellent research & training facilities.

Topics to be covered

- Fundamental concepts in flow cytometry and its applications, parts of flow cytometer covering fluidics, optics, electronics and data analysis software.
- Demonstration of instrument start up, daily cleaning, quality control, template preparation for data acquisition, adjustment of PMT voltages and threshold, concepts of gating, spectral overlap and compensation.
- Cell Cycle Analysis, Concepts of multi color flow cytometry, labels, dyes, and stains used for multi-parametric analysis. Setting up of single or multi color flow cytometry experiments
- Live demonstration of data acquisition using flow cytometers.

Workshop Venue

Biomedical Technology Wing,
SCTIMST, Satelmond Palace,
Poojapura, Thiruvananthapuram,
Kerala 695012

Travel & Stay

Participants will have to make their own travel arrangements. Based on the availability, stay at campus guest house may be provided to out-station participants at a nominal price.

Who can attend

Masters / PhD students,
Project/ Technical staff,
Post-docs & Young faculty

Fees and Registration

MSc/ MPhil/ ME/ MTech/
MPharm/ PhD students/ Project
staff: Rs. 3000/- (including GST),
Tech. staff/ Post-docs & faculty:
Rs. 4000/- (including GST)

No. of seats: 15 (allotted on first come first serve basis, preference will be given to those who use/intend to use flow cytometric analysis in their routine work).

Key Contacts

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Organizing committee

Chief Patron

Prof. Sanjay Behari, Professor and Director, SCTIMST Trivandrum

Chairperson

Dr. Harikrishna Varma, Scientist-G (Sr. Grade) and Head, BMT wing, SCTIMST Trivandrum

Organizing Secretary

Dr. Anugya Bhatt, Scientist-G, Division of Thrombosis Research, BMT wing, SCTIMST Trivandrum

Dr. Renjith P Nair, Scientist-C, Division of Thrombosis Research, BMT wing, SCTIMST Trivandrum

Advisory Members

Dr. Krishnamurthy H, Consultant, Central Imaging & Flow cytometry facility, National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bengaluru.

Dr. Mohanan PV, Scientist-G and Head, Department of Applied Biology, BMT Wing, SCTIMST, Trivandrum.

Dr. Lynda V Thomas, Scientist-F Coordinator, Department of Applied Biology, BMT wing, SCTIMST, Trivandrum.

Registration

Ms. Priyanka A, Sr.Technical Assistant, Division of Thrombosis Research, BMT Wing, SCTIMST Trivandrum.

Ms. Aparna B.S, PhD Student, Division of Thrombosis Research, BMT Wing, SCTIMST Trivandrum.

Ms. Athira K. R, PhD Student, Division of Thrombosis Research, BMT Wing, SCTIMST Trivandrum

Ms. Deepa C , PhD Student, Division of Thrombosis Research, BMT Wing, SCTIMST, Trivandrum.

Ms. Reshma Murali, PhD Student, Division of Thrombosis Research, BMT Wing, SCTIMST Trivandrum.

Event Management

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