

HANDS-ON WORKSHOP ON FLOW CYTOMETRY

5TH - 7TH DECEMBER 2019

SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL
SCIENCES AND TECHNOLOGY

(AN INSTITUTION OF NATIONAL IMPORTANCE),
THIRUVANANTHAPURAM, KERALA 695012



Applications are open up to 25 Nov 2019

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 research, clinical practice, and clinical trials. The technology has applications in a number of fields, including molecular biology, pathology, immunology, virology, 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

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

Concepts of multi color flow cytometry, labels, dyes, and stains used for multiparametric analysis

Setting up of single or multi-color flow cytometry experiments

Facility visit and live demonstration of data acquisition using various flow cytometers.

Who can attend

Masters / PhD students, project/ technical staff, post-docs & young faculty

Fees & registration

MSc/ MPhil/ ME/ MTech/ MPharm/ PhD students/ project staff: Rs. 1000/-,
Tech. staff/ post-docs & faculty: Rs. 1250/-

No. of seats: 20 (allotted on first cum first basis, preference will be given to those who use/intend to use flow cytometry analysis in their routine work).

Workshop venue

Biomedical Technology Wing, SCTIMST, Satelmond Palace, Poojappura, 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.

Key contacts

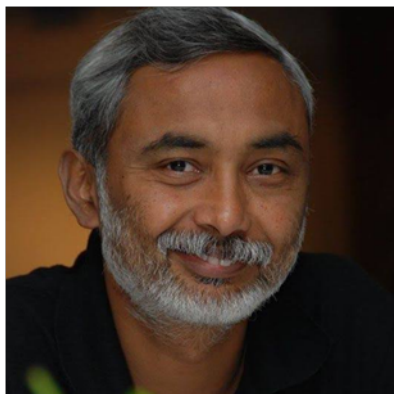
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Key Faculty

H Krishnamurthy, PhD

Central Imaging & Flow Cytometry Facility,
NCBS, Bangalore



H. Krishnamurthy obtained his PhD from Manipal University. From 1997 to 2001, he underwent postdoctoral training at the Institute for Reproductive Medicine, Germany and Institute for Clinical Research, Montreal, Canada. Later, he moved to Herbert Irving Comprehensive Cancer Center, Columbia University, New York, USA as Associate Research Scientist and Managing Director of the flow cytometry facility. At present, he is working as Head of Flow Cytometry and Confocal Microscopy Facilities at the National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bangalore, India. He has served The Cytometry Society, India as General Secretary (Research) and education committee of the International Society for Advancement of Cytometry (ISAC).

HANDS-ON WORKSHOP ON FLOW CYTOMETRY

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