

On-site Flow Cytometry Workshop

on

Flow Cytometry and its Applications in Biosciences

Organised by

GOSWAMI GANESH DUTTA
SANATAN DHARMA COLLEGE
SECTOR 32-C, CHANDIGARH

In collaboration with

Flow Cytometry Solutions Pvt. Ltd., India.
Trust for Education and Training in Cytometry (TETC) India
&

Indian Science Congress Association Chandigarh Chapter

Venue: Department of Biotechnology

Dates: 10-12 January, 2024 Timings: 9:00 a.m. to 5:30 p.m.

INVITED FACULTY

International (online)

Dr. Rui Gardner, MSKCC, USA
Dr. Rajendra Kumar, JHU, USA

National

Dr. Hemant Agrawal, Flowcytometry Solutions Pvt. Ltd.
Dr. Rekha Gour, TETC
Dr. Himanshu Tillu, Flowcytometry Solutions Pvt. Ltd.
Dr. Gaurav Sharma, PGIMER, Chandigarh
Dr. Jitendra Shandilya, Beckman Coulter

About the workshop: Flow cytometry is a sophisticated instrument measuring multiple physical characteristics of a single cell such as size and granularity simultaneously as the cell flows in suspension through a measuring device. The workshop aims to provide a wide-ranging knowledge on flow cytometry and its applications through both theory and practical hands-on sessions. This workshop will include lecture series from eminent scientists and application specialists.

Topics to be covered under the workshop

- Basics of Flow Cytometry
- Instrument Setup, QA and QC
- Experimental Designing
- Sample preparation
- Ploidy analysis, Cell cycle and Apoptosis studies
- Immunophenotyping
- Spectral Overlap and Compensation
- Selection of the appropriate controls
- Data analysis and Presentation
- Data publication guidelines

Who can participate?

Bachelors, Masters, Ph.D. students, medical students, doctors, lecturers, scientists, industry members in the field of Biological Sciences, Biotechnology, Bioinformatics, Life Sciences, Medical Sciences, Pharmaceutical Sciences, Chemical Sciences and related subject areas who are interested in learning hands-on laboratory techniques.

Registration fees

Students/Research scholars:

2000/- (Including GST)

Faculty/Post Doctoral Fellows

3000/- (Including GST)

Non-Academia/Industry Persons

5000/- (Including GST)

Registration includes workshop kit
and lunch coupons.

Last date of registration is

10th December, 2023.

Google link for registration

<https://forms.gle/ryCKin7KqHy9189dA>

CLICK HERE

Workshop Dates

10 – 12 January, 2024

Timings

9:00 a.m. to 5:30 p.m.

Seats Available

Only 30 seats per batch available.

Register early to confirm your participation.

Patron
Ms. Vaishali Sharma

Chief Consultant
Dr. R.C. Sobti

Chairperson
Siddharth Sharma
Ph.D

Co-Chairperson
Dr. Ajay Sharma
Dr. Rekha Gour

Organising Secretaries
Dr. Ashima Pathak
Dr. Hemant Agrawal

Organizing Committee

Dr. Neetu Thakur, Dr. Nidhi Mittal, Dr. Avneet Kaur Bajaj,
Dr. Vipin Sobti, Dr. Sanjeev Puri, Dr. M.C. Sidhu

For enquiries, please email or call: Email: sdbiosciences2024@gmail.com

Tel No: 9855066189, 9815438330, 9888813858

3-DAYS WOKSHOP PROGRAM

Day 1

TIME (IST)	TITLE
9.00 am - 9.30 am	Registration
9.30 am - 10.00 am	Inauguration (Organizing Committee, Faculties, Supporters and Delegates)
10.00 am - 11.30 am	Basics of Flow Cytometry
11.30 am - 11.45 am	Tea Break
11.45 am - 1.15 pm	Applications of Flow Cytometry
1.15 pm - 2.00 pm	Lunch
2.00 pm - 4.00 pm	Wet Lab 1: KYC and Setup of the Instrument
4.00 pm - 4.15 pm	Tea Break
4.15 pm - 5.15 pm	Wet Lab 2: Viability and Cell Cycle Assay
5.15 pm - 6.30 pm	Sample Preparation for Flow Cytometry Experiment (Online)

Day 2

TIME (IST)	TITLE
9.15 am - 9:30 am	Review of Day 1
9.30 am - 10.30 am	Analysis of Apoptosis (Online)
10.30 am - 11.30 am	Wet Lab 3: Apoptosis Assay
11.30 am - 11.45 am	Tea Break
11.45 am - 1.15 pm	Basics of Multicolor Flow Cytometry (Immunophenotyping)
1.15 pm - 2.00 pm	Lunch
2.00 pm - 4.00 pm	Wet Lab 4: Multicolor Flow Cytometry Lab
4.00 pm - 4.15 pm	Tea Break
4.15 pm - 5.30 pm	Multicolor Flow Cytometry Lab Continues

Day 3

TIME (IST)	TITLE
9.15 am - 9:30 am	Review of Day 2
9:30 am - 11:30 am	Flow Cytometry Data Analysis & Presentation (Live Data Analysis using the Software)
11.30 am - 11.45 am	Tea Break
11.45 am - 12.30 pm	Data Publication Guidelines
12.30 pm - 1.00 pm	Quiz and feedback
1.00 pm - 1.30 pm	Valedictory and Vote of Thanks
1.30 pm onwards	Lunch