

**DBT – SAHAJ Imaging & Flow Cytometry National Facility
SAS, Ahmedabad University, Gujarat**

Confocal Microscopy and Flow Cytometry Training Programme

Rm 008 SAS Building Central Campus

(1 - 3, November 2023)

1st November 2023

8.30 to 9.00	Registration
9.00 to 11.00	Basics of Light Microscopy with a focus on Confocal Microscopy
11.00 to 11.30	Coffee/Tea Break
11.30 to 13.00	Introduction to FV3000 Confocal Microscope – Components and Software
13.00 to 14.00	Lunch Break
14.00 to 16.00	Image Acquisition – PSF of different objectives, pin holes, Scan speed
16.00 to 16.15	Coffee/Tea Break
16.15 to 17.30	Image analysis

2nd November 2023

9.00 to 10:00	Review of Day 1
10.00 to 11.00	Basics of Flow Cytometry
11:00 to 11.30	Coffee/Tea Break
11.30 to 13.00	Introduction to Flow Analyzer (CytoFlex) and Cell Sorter (FACS Aria III)
13.00 to 14.00	Lunch Break
14.00 to 16.00	Data Acquisition
16.00 to 16.15	Coffee/Tea Break
16.15 to 17.30	Data Analysis

3rd November 2023

9.00 to 10:00	Review of Day 2
10.00 to 11.00	Basics of Cell Sorting and Demonstration
11:00 to 11.30	Coffee/Tea Break
11.30 to 13.00	Basic Immuno Cytometry – sample preparation, data acquisition and analysis
13.00 to 14.00	Lunch Break
14.00 to 16.00	Multicolour Flow Cytometry
16.00 to 16.15	Coffee/Tea Break
16.15 to 17.30	DNA Cell Cycle – DNA QC, sample preparation, Data Acquisition and Analysis
17.30 to 18.30	Flow cytometry Quiz and Graduation