



The Oxford College of Science

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Supported by DST GoI under FIST program, Supported by DBT GoI under DBT-STAR College

DEPARTMENT OF BIOTECHNOLOGY

SL.NO	DETAILS OF THE EVENT	
1.	Title Of The Event	Basics of Flow Cytometry and Its Applications
2	Day and Date	29 th to 31 st May 2025 (Thursday, Friday & Saturday)
3	Venue	College Auditorium and Divisional FACS Facility, IISc Bangalore
4	Organizing Secretary/ Co-Coordinators	Dr. Kavisa Ghosh
5	Participants	BT PG Final year students (4 th Semester)
6	No of students and staff present	56 students + 1 staff



Resource person Mr. Munish is explaining the working of a flow cytometer



Students are working and running experiments on a flow cytometer

The Department of Biotechnology in collaboration with Divisional FACS Facility, IISc Bangalore and BD Biosciences organized a three-day hands-on workshop on “Basics of Flow Cytometry and Its Applications” as a part of Enrichment Program from 29th to 31st May 2025 for the final year IV semester PG Biotechnology students. The resource persons were Ms. Reena Chinnaraj and Mr. Prince Kushwaha, from BD Biosciences, and Mr. A Munish and Ms. Navya R from the Divisional Flow Cytometry Facility, Indian Institute of Science (IISc), Bangalore. The main objective of the program was to introduce flow cytometer that has become an integral part of research and development (R&D) and quality control (QC) in the industry. This program delved into the basics and how flow cytometer is used for various applications. Participants had the opportunity to be introduced to basics of flow cytometry. Then they were introduced to all the flow cytometers in Divisional Flow Cytometry Facility (FACS Verse, Symphony A1, Cytoflex, Aria fusion), IISc Bangalore and gained hands-on experience on setting-up and running experiment with samples (eg. Cell cycle analysis), cell sorting on Aria fusion sorter and QC setup and tracking. Finally, they were also taught how to do sample analysis with interpretation.

Coordinator

Head

Principal