

CU-BD CoE for Nanobiotechnology

Centre for Research in Nanoscience and Nanotechnology
University of Calcutta, JD-2, Sector-III, Kolkata-98

Training Courses for the Year 2016-2017

- **Courses Offered:**

- **Basics of Flow Cytometry (BD FACSVerse™/ BD FACSAria™ III):**

A three day course on basic research Flow Cytometry for students or researchers with no/ minimal hands on experience. This course covers theory of Flow Cytometry, and its research applications. Hands on session will include routine procedure of instrument operation, quality control, data acquisition and data analysis using BD FACSSuite™/ BD FACSDiva™ software. The data analysis will cover the concepts of color compensation, cell cycle analysis and multicolor immunophenotyping. Schedule of the courses are as follows:

- September 13-15 (2016).
- February 01-03 (2017).
- June 19-21 (2017)

- **Multicolor Immunophenotyping (BD FACSVerse™/ BD FACSAria™ III):**

A three day advanced course is intended for those researchers/clinicians who have at least three months of previous flow cytometry experience on a BD digital flow cytometer platform. The objective of the course is to provide a thorough understanding of variables involved in running a multicolor flow cytometry experiment right from the instrument performance and setup, panel design, choice of controls to data acquisition and analysis. The wet lab will focus on optimizing instrument setup, antibody titration and compensation controls.

August 21-23 (2017).

- **Cell Sorting on BD FACSAria™ III:** This advanced module will cover theory of flow cytometric sorting, concept of drop delay, different sorting modes and sort masks. The wet lab will include 2 way and 4 way sorting of beads and sorting of rare population of cells (Treg cells), cell sorting to 96 well plate will be demonstrated.

- April 28-30 (2017).
- December 19-21 (2016).

- Registrations for respective courses will open 60 days prior and will close 15 days before the scheduled date of the training.
- Travel arrangement and accommodation is to be taken care of by the participants on their own.
- Registration fee is applicable to participants from institutes other than University of Calcutta.
- Please read the instructions carefully in the registration form.

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