



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 2014

• Courses Offered:

- **Basics of Flow Cytometry (BD FACSVerserTM/ BD FACSAria IIITM):** 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 FACSSuiteTM/ BD FACSDivaTM software. The data analysis will cover the concepts of color compensation, cell cycle analysis and multicolor immunophenotyping. Schedule of the courses are as follows:
 - **April 23-25:**
 - **November 19-21:**
 - **Microscopy and High Content Imaging (BD Pathway 855TM):** A three day course on Fluorescence/ Confocal Microscopy and High Content Image analysis for researchers with varied level of experience. This course encompasses theory and concepts of high content imaging and image analysis. The wet lab session will cover High Content Imaging of live and fixed cells followed by image data acquisition, image analysis with BD AttovisionTM software and image data analysis with BD IDE software.
 - **June 25-27:**
 - **Cell Sorting on BD FACSAria IIITM:** 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.
 - **February 19-21:**
 - **September 17-19:**
- **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.**

Contact: CU-BD Center of Excellence for Nanobiotechnology

Dr. Debajit Bhowmick, bhowmikdebajit@gmail.com, Mob: +91 9239225704

Dr Sanjaya K Mallick, Application Scientist (CoE Manager)

Email: sanjaya_mallick@bd.com, mallicks@gmail.com;

Mob: +91 9836763355,

CRNN Office: Mr Debabrata Pal. Email: nanosciencenanotechnology.cu@gmail.com