

The National Workshop, “Master Class on Flow Cytometry” was held between 18th to 24th of Nov. 2018 at Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta (CU) conducted by CU-BD Centre of Excellence. Applicants selected consists of PhD students, Post-doctoral Fellow and young faculties from different institutes, industries and universities such as Institute of Life sciences (Bhuvanewar), National Institute of Cholera and Enteric diseases (ICMR), Visva-Bharati University, Sidho Kanho Birsha University, Tata Medical Center(TMC), Indian Association for the Cultivation of Science, Cord Life Sciences India Private Limited and CU. The workshop was divided into two sessions, lecture and lab on each day. The Lecture sessions were delivered by experts working with Flow cytometry in diverse setups such as industry, medical college and universities. Dr H. Krishnamurthy from NCBS, Bangalore and Dr Shreya Chattapadhyay from CU gave introduction on Flow cytometry and its application, likewise Dr Mitali Chatterjee from IPGEMR talked about reactive oxygen species generation by endoperoxide as therapeutic in Leishmaniasis. Leukemia diagnosis and classification was elaborated by Dr Deepak Mishra from TMC and Dr Arnab Chattapadhyay from IHTM while cancer stem cells identification and characterization for research endeavors was discussed by Dr Urmi Chatterji and Dr Sandeep Singh from CU and NIBMG respectively. The study of role of mechanosensor in T cells activation was presented by Dr Dipyaman Ganguly from IICB. Post lecture lab sessions were conducted in which sample processing, acquisition and analysis of Cell cycle, immunophenotyping, cytokine bead array was performed using BD FACS Verse while bead based sorting was demonstrated using BD FACS Aria III. During concluding session, Dr. Debatosh Guha, Director of CRNN, CU interacted with participants and felicitated them and organizers on successful completion of the workshop.

