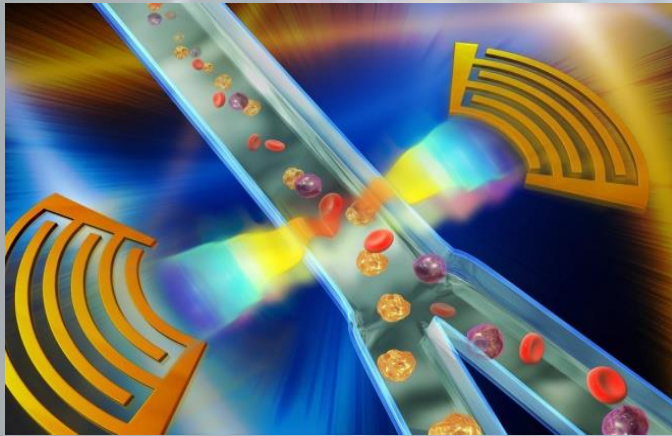




**Workshop  
on  
Polychromatic Flow Cytometry and  
Cell Sorting  
September 10-12, 2018**



**National Institute for Research in  
Tuberculosis  
(Indian Council of Medical Research)  
Chennai**

## About the Workshop

We are happy to announce that ICMR-NIRT is conducting a three days workshop on multicolor flow cytometry and cell sorting. This is the second flow cytometry workshop organized by NIRT in collaboration with Becton Dickinson (BD) India.

Over the last decade, there have been significant advancements in flow cytometry instrument design and cell sorting technology. This workshop will focus on the basic concepts of cell sorting, different modes of sorting and options on the sorter.

### Key learning objectives:

- **Fundamentals of Flow cytometry**
  - Instrument configuration
  - Instrument Variables
  - Resolution
  - Laser delay
  - Area scaling
  - Quality control
  - Assay Standardization
- **Reagent Variables-Fluorochromes**
  - Fluorescence
  - Spectral spillover
  - Stain Index
  - Compensation

*Continued....*

### • **Polychromatic Cell Sorting**

- Sorting concepts
- Different sorting modes
- Sorting options
- Stream stability check
- Aseptic instrument setup
- Accudrop delay setting
- Test sorting,
- Beads sorting
- Four way cell sorting
- Single cell sorting

### **Convenor**

**Dr.Srikanth Prasad Tripathy**  
Scientist'G' & Director-in-charge

### **Co-Convenor**

**Dr.Luke Elizabeth Hanna**  
Scientist'E'

### **Send your Registrations to:**

FACS Core Facility, NIRT  
Email - [facsnirt@gmail.com](mailto:facsnirt@gmail.com)  
With a copy to [hanna@nirt.res.in](mailto:hanna@nirt.res.in)  
Tel-+91-044-28369716  
Mob-9600101005  
(Mr. Sivasankaran.M.P)

## ABOUT

### The Institute

The National Institute for Research in Tuberculosis, a permanent institute under the Indian Council of Medical Research (ICMR), is an internationally recognized institution for Tuberculosis (TB) research.

### The HIV/AIDS Department

The HIV/AIDS Department has been in the forefront of HIV care, providing high quality diagnostic and research support for various HIV and HIV/TB clinical trials and research projects conducted by NIRT. The laboratory has been accredited by International Agencies like the NIH and WHO. The focus of research in the laboratory include immunopathogenesis of HIV/TB co infection, HIV drug resistance, molecular characterization of HIV-1 subtype C strains circulating in the local population and identification of novel compounds with anti-HIV activity.



## Resource Persons

BD Technical Support team, India.

Becton Dickinson (BD) is an American medical technology company that manufactures and sells medical devices, instrument systems and reagents. Founded in 1897 and headquartered in Franklin Lakes, the company's customers including health care institutions, science researchers, clinical laboratories, the pharmaceutical industry, and the general public.

The BD Biosciences Unit (BD Life Sciences Segment) designs, manufactures and sells fluorescence-activated cell sorters and analyzers, monoclonal antibodies and kits for cell analysis, reagent systems for life science research, cell imaging systems, laboratory products for tissue culture and fluid handling, and cell culture media supplements for biopharmaceutical applications. BD Biosciences serves the following customers: research and clinical laboratories, academic and government institutions, pharmaceutical and biotechnology companies, hospitals and blood banks.



## REGISTRATION DETAILS

No.of participants: 12 (maximum)

Registration fee:Rs.5000/-

(Including education material, lunch & refreshments during the workshop).

- Accommodation will be arranged at “NIRT Guest house or World University Service Center” on a paid basis based on prior request from out station participants.
- Participants will be selected through a competitive selection process.

### How to apply:

•Registration form and Statement of Purpose (SOP) are available in the following link <http://www.nirt.res.in>. Participants are requested to send the soft copy of completed registration form and SOP via email ([facsnirt@gmail.com](mailto:facsnirt@gmail.com)) on or before **22<sup>nd</sup> August, 2018**.

•Short listed candidates will be notified tentatively by **24<sup>th</sup> August, 2018** and the Hard copy of completed registration form and Statement of Purpose along with DD drawn payable to “**THE DIRECTOR NIRT, CHENNAI**” should reach us on or before **30<sup>th</sup> August,2018** to the following address.

### FACS Core Facility

Vaccine Trial Centre (VTC)

NIRT-ICMR,

No.1 Mayor Sathyamoorthy Road,

Chetpet,

Chennai- 600031

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