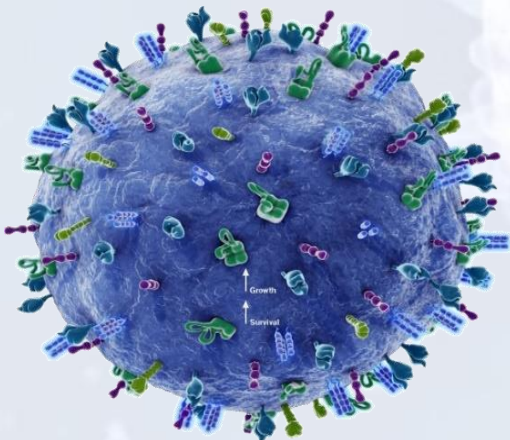




**Workshop
on
Polychromatic Flow cytometry
(Basics)
November 2-3, 2017**



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

Convenor

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

Co-Convenor

Dr. Luke Elizabeth Hanna
Scientist 'E'

About the Workshop

We are happy to announce the first multicolor flow cytometry workshop at NIRT-ICMR in collaboration with Becton Dickinson, India, from November 2-3, 2017 at NIRT-ICMR.

The workshop will focus on the basics of multi-colour immunophenotyping. Over the last decade, there have been significant advances in flow cytometry instrument design and fluorochrome dye chemistry, bringing 8-18 colour analysis within the easy reach of many.

The intent of this workshop is to provide an opportunity to understand the fundamentals of flow cytometry, multicolor panel design, instrument setup, validation, assay standardization and data analysis.

Key learning objectives

•Fundamentals of Flow cytometry

Instrument configuration
Instrument Variables
Resolution
Laser delay
Area scaling
Quality control
Assay Standardization.....

Cont...

•Reagent Variables-Fluorochromes

Fluorescence
Spectral spillover
Stain Index
Compensation-
Manual & Auto

•Reagent Variables-Antibodies

Staining
Antibody titration
Viability dye
FMO controls

•Panel Design and Validation

Ag density
Ag-Ab Interaction

•Application in Biomedical research

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Send your Registrations to:

FACS Core Facility, NIRT:

[Email - facsnirt@gmail.com](mailto:facsnirt@gmail.com)

Tel+91-044-28369716

Mob-9600101005

ABOUT

The Institute

The National Institute for Research in Tuberculosis [Formerly Tuberculosis Research Centre (TRC)], 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 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, 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 include healthcare 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.4000/-

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

•Accommodation will be arranged at the "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 :

•Participants are requested to send the completed registration form and Statement of Purpose which can be accessed from NIRT website (<http://www.nirt.res.in/>) via email so as to reach us on or before **13 October, 2017**.

•Shortlisted candidates will be notified tentatively by **16 October, 2017**.

•Hard copy of completed registration form and Statement of Purpose along with DD drawn payable to "**THE DIRECTOR NIRT, CHENNAI**" should be reach us on or before **23 October, 2017** to the following address

FACS Core Facility

Vaccine Trial Centre (VTC)

NIRT-ICMR,

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