

Centre universitaire
de santé McGill
Institut de recherche



McGill University
Health Centre
Research Institute

Flow Cytometry Seminar

BD Horizon Tour 3.0

Multicolor Panel Design

Presented by the
Immunophenotyping Platform

Sponsored by
BD Biosciences



March 9th 2017

From 10:00am to 12:00pm
Research Institute of the MUHC
Glen site - Room: EM1.3509

Please register at <https://www.research.net/r/MUHCHORIZONMAR>

Expand YOUR Horizons



The BD Horizon™ Global Tour

Discover wide-ranging approaches and opportunities in multicolor flow cytometry.

Visit bdbiosciences.com/go/horizontour for more information.



Design

Quality flow cytometry data starts with proper panel design. Fluorochrome choices, instrument configurations/setup and knowledge of the biology being studied are important factors when considering panel choices.

In this module, we will provide you with a foundation to easily build the best possible panels to answer your experimental questions.



Analyze

A good panel is defined by its ability to resolve populations of interest. Matching bright fluorochromes to dim markers, and the ability to spread markers across multiple lasers, can minimize spectral overlap and maximize population resolution. In the Analyze section, multiple data sets demonstrating how to maximize the resolution of cell populations will be shared. Also included is an interactive session to review panels that you helped design.



Sort

The ability to sort highly pure cell populations is fundamental to downstream biological analysis. An optimized panel is a key component of sort purity.

The Sort module reviews important considerations when you move from cell analysis to cell sorting. Information on how optimized panels improve sort outcomes will be discussed.

Join us for The BD Horizon™ Tour 3.0

Location: EM1.3509

Date: Thursday, March 9th, 2017

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Over the past 40 years, flow cytometry has come a long way. Once the exclusive domain of experts, advancements in optical and fluidic design, component miniaturization, digital electronics, intuitive software, and a wide range of new fluorochromes, have made flow analyzers and cell sorters more accessible to a new generation of scientists. Despite the advancements, multicolour panel design has remained virtually unchanged as today's scientists continue to search for the best approach for their experiments, largely by trial and error.

Join us for the BD Horizon Tour™ and see how the BD smart approach to panel design enables novices and experts alike to unlock the full potential of their research offered by innovations in flow cytometry systems.