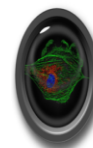


Molecular & Cellular Immunology Core Facility
John A. Burns School of Medicine | University of Hawai'i at Manoa



MICROSCOPY, IMAGING, & FLOW CYTOMETRY CORE
UNIVERSITY OF HAWAII CANCER CENTER

**Molecular and Cellular Immunology Core, Health Sciences Microscopy and Imaging Core,
& BD Biosciences Present**

**Flow Cytometry Applications Seminar:
From Immunophenotyping and Beyond**

Flow cytometry uses lasers and fluorescent reagents to identify and characterize cells, microorganisms, and beads. Flow cytometry is usually associated with immunology, but there are many, many more research applications! Viability assays, calcium flux experiments, cell cycle, and even transcription factors can be analyzed by flow cytometry.

Here at University of Hawaii, there are several flow cytometers, including a BD FACSAria II cell sorter. This instrument is able to separate cells based on different markers and deposit them into tubes or plates. Furthermore, the cell sorter can sort single cells into a 96-well plate, and those cells can later be used for creating cell lines and/or used for single cell genomics.

During this seminar, we will discuss a variety of flow cytometry applications and cell sorting techniques. We will also present data generated using flow cytometry to create a murine cancer model.

**Lisa Bellemare
Technical Applications Specialist, BD Biosciences**

**Tuesday October 23, 2018
10am
Cancer Center Building Rm. 501**

FOR FURTHER INFO PLEASE CONTACT ALEXANDRA GURARY (692-1794 OR gurary@hawaii.edu)



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