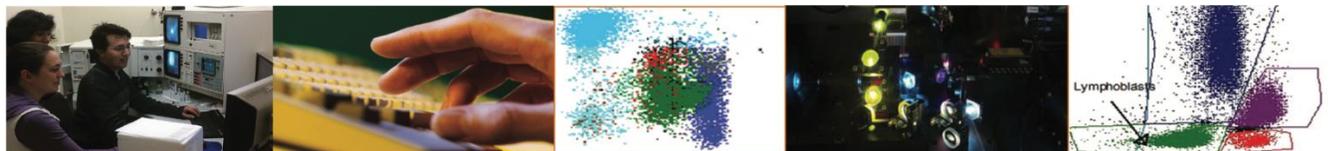


OHSU Research Cores and Shared Resources

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Flow Cytometry



The OHSU Flow Cytometry Shared Resource (FCSR) has operated as a core resource for OHSU investigators since 1996 and provides advanced flow cytometry instrumentation, technical expertise and technical services.

Operators:

[Brianna Garcia](#)

[Dominick Sanders](#)

[Matthew Schleisman](#)

Director:

[Phil Streeter](#)

Introduction

The Flow Cytometry Shared Resource (FCSR) personnel provide training in data interpretation, experiment design and routine instrument operation, offering investigators the cost-saving option of doing some of the work themselves. Resource personnel also support investigators by providing operator-assisted fluorescence-activated cell sorting, analytical flow cytometry and data analysis.

Equipment:

Richard Jones Hall:

- BD Symphony
- BD LSRII
- BD Canto
- Beckman Coulter Cytoflex S
- InFlux (Spock)
- InFlux (Kirk)
- Miltenyi AutoMACS
- Luminex 200

Knight Cancer Research Building:

- BD Fortessa
- BD ARIA III
- BD ARIA Fusion
- *New* CyTEK Aurora

Services:

1. Quantitative measurement of fluorescent reporters to assess the distribution of specific molecules within cell populations.
2. Sorting to isolate purified cell populations based on detection of specific probes such as antibodies and fluorescent proteins.
3. Analysis of multiple characteristics such as relative cell size, antibody binding to cell surface or intracellular biomarkers, DNA and RNA content, and fluorescent protein expression.
4. Functional assays to measure apoptosis, enzyme activity or calcium flux.
5. Cells can be sorted into 5-15 mL conical tubes, Eppendorf tubes or into multi-well plates.
6. After acquisition of data, investigators will receive data files and/or data plots. In addition, for sorting experiments, investigators will receive sorted cells and an analysis of post-sort purity.
7. Researcher training for analytical instrument use

Location

Marquam Hill Campus

Richard Jones Hall Room 5380
3181 SW Sam Jackson Park Road,
Portland OR 97239
Phone: (503) 494-0661

South waterfront

Knight Cancer Research Building, room 4161
2720 SW Moody Ave,
Portland, OR 97201
Phone: (503) 494-6145

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