# Resource Summary Report

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# Penn Flow Cytometry and Cell Sorting Resource Laboratory

RRID:SCR_010011
Type: Tool

## Proper Citation

Penn Flow Cytometry and Cell Sorting Resource Laboratory (RRID:SCR_010011)

## Resource Information

**URL:** http://eagle-i.itmat.upenn.edu/i/00000138-7ce8-c10b-fbab-3b8480000000

**Proper Citation:** Penn Flow Cytometry and Cell Sorting Resource Laboratory (RRID:SCR_010011)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on June 1,2023. Core facility that provides the following services: Flow cytometry analysis service, Cell sorting and analysis service, Flow cytometer analyzer access, Introductory flow cytometry training, Advanced and customized flow cytometry training, Flow cytometry consultation service, FACSAria training, Flow cytometry data analysis, BSL2+ biohazardous human cell sorting, BSL2+ murine biohazardous cell sorting, BSL2+ murine cell sorting access, Non-infectious cell sorting access. The Flow Cytometry and Cell Sorting Resource Laboratory is currently recognized as one of the largest and most comprehensive flow cytometry laboratories in the US. In 2010 it was designated a laboratory of exceptional merit by the National Cancer Institute. Using state-of-the-art technology, the resource provides a broad array of, instrumentation, support, education and consultation to the research community at the University of Pennsylvania. A wide variety of cell sorting applications are supported, from high-speed multicolor (up to 14 colors) cell sorting to low-speed, large nozzle, improved viability sorting. Additionally, a wide variety of cell analysis services (up to 20 parameters) are offered, from traditional analog, easier to use tabletop analyzers to many-laser, many-color, high-speed, fully-digital modern instrumentation. Currently the facility offers 6 cell sorters and 19 analytical instruments. A very active training and consultation program is in place to support these activities. The Scientific Director, Dr. Jonni Moore, and the Technical Director, each have over 25 years experience in the field of cytomics. Researchers at the University of Pennsylvania are increasingly engaged in research projects that require 8-plus-parameter cell sorting of infectious cells and primary human tissues. Investigators using the Flow Cytometry and Cell Sorting Shared Resource have access to

virtually any type of cytometric services required for a vast array of applications.

**Resource Type:** core facility, service resource, access service resource

**Keywords:** flow cytometry assay, cell separation, fluorescence activated cell sorting (facs), data analysis

**Funding:**

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Penn Flow Cytometry and Cell Sorting Resource Laboratory

**Resource ID:** SCR_010011

**Alternate IDs:** nlx_156478

**Record Creation Time:** 20220129T080256+0000

**Record Last Update:** 20250517T055943+0000

## Ratings and Alerts

No rating or validation information has been found for Penn Flow Cytometry and Cell Sorting Resource Laboratory.

No alerts have been found for Penn Flow Cytometry and Cell Sorting Resource Laboratory.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

Alyami HM, et al. (2019) Role of NOD1/NOD2 receptors in Fusobacterium nucleatum mediated NETosis. Microbial pathogenesis, 131, 53.

Ren W, et al. (2017) Transcriptome analyses of taste organoids reveal multiple pathways involved in taste cell generation. Scientific reports, 7(1), 4004.

Lu H, et al. (2013) Exo70 isoform switching upon epithelial-mesenchymal transition mediates cancer cell invasion. Developmental cell, 27(5), 560.