

Resource Summary Report

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Penn State Hershey College of Medicine Flow Cytometry and Cell Sorting Core Facility

RRID:SCR_021134

Type: Tool

Proper Citation

Penn State Hershey College of Medicine Flow Cytometry and Cell Sorting Core Facility
(RRID:SCR_021134)

Resource Information

URL: <https://research.med.psu.edu/core-facilities/flow-cytometry/>

Proper Citation: Penn State Hershey College of Medicine Flow Cytometry and Cell Sorting Core Facility (RRID:SCR_021134)

Description: Offers Flow Cytometry analysis, Cell sorting, Flow Imaging analysis. Available cytometers include 4-color BD FACSCalibur, 10-color BD FACSCanto 10-color Amnis ImageStream X Mk II imaging cytometer, Special-order 16-color BD LSR II, 16-color BD LSR Fortessa, 17-color BD FACS Aria SORP high-performance cell sorter, 23-color BD FACSSymphony.

Synonyms: Penn State Hershey College of Medicine PSU-College of Medicine Flow Cytometry Core, PSU-College of Medicine Flow Cytometry Core Hershey

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

Keywords: Flow Cytometry analysis, Cell sorting, Flow Imaging analysis., ABRF

Resource Name: Penn State Hershey College of Medicine Flow Cytometry and Cell Sorting Core Facility

Resource ID: SCR_021134

Alternate IDs: ABRF_1164

Alternate URLs: <https://coremarketplace.org/?FacilityID=1164>

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260814T043020+0000

Ratings and Alerts

No rating or validation information has been found for Penn State Hershey College of Medicine Flow Cytometry and Cell Sorting Core Facility.

No alerts have been found for Penn State Hershey College of Medicine Flow Cytometry and Cell Sorting Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 85 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#).

Blaha LN, et al. (2026) Does Ras/Rho Have Skin in the Game: The Importance of the Isoprenoid Biosynthesis Pathway in Merkel Cell Carcinoma Cell Lines. *Cancers*, 18(10).

Nusawardhana A, et al. (2026) The nuclease EXO1 promotes genomic instability by degrading nascent DNA in BRCA-proficient cells. *Nature communications*, 17(1).

Hale A, et al. (2026) The RRM domains of PARP14 mediate replication fork degradation in BRCA2-deficient cells. *NAR cancer*, 8(1), zcag005.

Brendle S, et al. (2026) CD28-deficient mice are vulnerable to mouse papillomavirus MmuPV1 infection of the skin and mucosae. *PLoS pathogens*, 22(3), e1013968.

Restrepo Munera J, et al. (2026) IL-1?? and IL-6 synergistically drive murine TFH cell differentiation and maintenance in vitro. *Immunology and cell biology*, 104(5), 457.

Hale A, et al. (2026) Genome-wide CRISPR screens identify DNA repair and R-loop suppression as regulators of the cellular sensitivity to environmentally relevant Bisphenol A exposure. *bioRxiv : the preprint server for biology*.

Nusawardhana A, et al. (2026) Genome-wide CRISPR screens identify the EXO1-CAF-1 pathway suppressing R-loop-associated DNA damage. *Nucleic acids research*, 54(5).

Chavez J, et al. (2026) The Zinc-Finger Protein POGZ Associates with Polycomb Repressive Complex 1 to Regulate Bone Morphogenetic Protein Signaling During Neuronal Differentiation. *Stem cell reviews and reports*, 22(3), 1371.

McAninch C, et al. (2026) Protocol for establishing primary murine colonic fibroblast culture with induction of loxP/loxP deletion using transducible TAT-Cre recombinase. *STAR protocols*, 7(1), 104330.

Suklabaidya S, et al. (2026) Negative feedback regulation of STING signaling by TAX1BP1-directed Golgiphagy. *Nature communications*, 17(1).

Bruna RE, et al. (2026) Genomic and biochemical contexts determine the physiological role of a horizontally acquired gene. *bioRxiv : the preprint server for biology*.

Mohanty S, et al. (2025) HTLV-1 Tax induces PINK1-Parkin-dependent mitophagy to mitigate activation of the cGAS-STING pathway. *bioRxiv : the preprint server for biology*.

Chulkina M, et al. (2025) MyD88-mediated signaling in intestinal fibroblasts regulates macrophage antimicrobial defense and prevents dysbiosis in the gut. *Cell reports*, 44(5), 115553.

Sunilkumar S, et al. (2025) REDD1 expression in podocytes facilitates renal inflammation and pyroptosis in streptozotocin-induced diabetic nephropathy. *Cell death & disease*, 16(1), 79.

Kim SY, et al. (2025) Involvement of p38 MAPK and MAPKAPK2 in promoting cell death and the inflammatory response to ischemic stress associated with necrotic glioblastoma. *Cell death & disease*, 16(1), 12.

Butic AB, et al. (2025) PD-1 regulates CD4+ T cell-mediated CD8+ T cell responses in the brain to balance viral control and neuroinflammation. *Research square*.

Popova EY, et al. (2025) Epigenetic Modifiers to Treat Retinal Degenerative Diseases. *Cells*, 14(13).

Zhao C, et al. (2025) Cytotoxic lymphocytes induced by engineered human dendritic cells mediate potent anti-leukemia activity. *Cancer immunology, immunotherapy : CII*, 74(4), 117.

Lauver MD, et al. (2025) The CXCR6-CXCL16 axis mediates T cell control of polyomavirus infection in the kidney. *PLoS pathogens*, 21(3), e1012969.

Fundora KA, et al. (2025) DBeQ derivative targets vacuolar protein sorting 4 functions in cancer cells and suppresses tumor growth in mice. *The Journal of pharmacology and experimental therapeutics*, 392(4), 103524.