

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: access service resource, service resource, core facility

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: 20260729T044512+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 73 mentions in open access literature.

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

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.

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.

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

Shaikh K, et al. (2025) ZFAND6 promotes TRAF2-dependent mitophagy to restrain cGAS-STING signaling. iScience, 28(1), 111544.

Kazzaz SA, et al. (2025) The aryl hydrocarbon receptor interacting protein suppresses RNA virus-induced type I IFN and IL-6 in mouse macrophages. bioRxiv : the preprint server for biology.

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. bioRxiv : the preprint server for biology.

Dhamdhare MR, et al. (2025) IGF2BP1 fosters an immunosuppressive tumor microenvironment in high-risk neuroblastoma, contributing to their resistance to immunotherapy. Oncoimmunology, 14(1), 2584408.

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.

- 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*.
- 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.
- 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.
- White J, et al. (2025) Phosphorylation of the selective autophagy receptor TAX1BP1 by TBK1 and IKBKE/IKKi promotes ATG8-family protein-dependent clearance of MAVS aggregates. *Autophagy*, 21(1), 160.
- Restrepo Munera J, et al. (2025) Germinal Center B cells provide essential IL-1 γ signals to TFH cells via canonical NLRP3 inflammasome activity post influenza infection. *PLoS pathogens*, 21(8), e1013404.
- Schell TD, et al. (2025) The effects of Co-exposure of tobacco smoke with Dibenzo[a,l]pyrene diol epoxide on molecular targets and immune cells in the mouse oral cavity. *Chemico-biological interactions*, 420, 111694.
- Rebok A, et al. (2025) Catalytic-Dependent Role of DNA Polymerase ϵ in Nucleotide Excision Repair. *Chemical research in toxicology*, 38(6), 1103.
- Hoffman CL, et al. (2025) Pemphigus Vulgaris Autoantibodies Induce an Endoplasmic Reticulum Stress Response. *The Journal of investigative dermatology*, 145(9), 2219.
- Alexander KM, et al. (2025) CXCR4 and CXCR6 dually limit T cell entry into the polyomavirus-infected brain. *Journal of neuroinflammation*, 22(1), 169.
- Li Y, et al. (2025) Adaptation to cystine limitation stress confers a targetable lipid metabolism vulnerability in pancreatic ductal adenocarcinoma. *Nature communications*.
- Hanafiah A, et al. (2024) PRC1 and CTCF-Mediated Transition from Poised to Active Chromatin Loops Drives Bivalent Gene Activation. *bioRxiv : the preprint server for biology*.