

# Resource Summary Report

Generated by ASWG on Aug 2, 2026

## University of Pennsylvania Perelman School of Medicine IFI CyTOF Service Center Core Facility

RRID:SCR\_022410

Type: Tool

### Proper Citation

University of Pennsylvania Perelman School of Medicine IFI CyTOF Service Center Core Facility (RRID:SCR\_022410)

### Resource Information

**URL:** <https://www.med.upenn.edu/ifi/cytofservicecenter.html>

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**Description:** CyTOF enables multi-parametric high-dimensional single cell analysis of more than 40 markers per cell, with minimal background and compensation issues. Core offers variety of CyTOF-related services including reagent distribution, consultation, antibody conjugation, and data acquisition.

**Abbreviations:** CyTOF

**Synonyms:** University of Pennsylvania Perelman School of Medicine IFI CyTOF Service Center, IFI CyTOF Service Center

**Resource Type:** material storage repository, storage service resource, service resource, core facility, access service resource

**Keywords:** USEDit, ABRF, stockroom

**Resource Name:** University of Pennsylvania Perelman School of Medicine IFI CyTOF Service Center Core Facility

**Resource ID:** SCR\_022410

**Alternate IDs:** ARBF\_1419

**Alternate URLs:** <https://coremarketplace.org?citation=1&FacilityID=1419>

**Record Creation Time:** 20220602T050140+0000

**Record Last Update:** 20260801T190744+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine IFI CyTOF Service Center Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine IFI CyTOF Service Center Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Wang W, et al. (2025) CyTOF reveals platelet subtype changes predicting the efficacy of combined immunotherapy and targeted therapy in liver cancer. *Frontiers in immunology*, 16, 1538652.

Gaudeaux P, et al. (2025) Ex vivo-generated lymphoid progenitors encompass both T cell and innate lymphoid cell fates. *Frontiers in immunology*, 16, 1617707.

Zhang Q, et al. (2025) Dietary advanced glycation end-products promote food allergy by disrupting intestinal barrier and enhancing Th2 immunity. *Nature communications*, 16(1), 4960.

Ciaramicoli LM, et al. (2025) Label-Free Enrichment of Highly Metastatic Tumor-Initiating Cells up to a Monoclonal State. *Biomaterials research*, 29, 0168.

Martínez LE, et al. (2025) Description of T-Cell and Monocyte Populations in the Circulation of People with HIV Prior to AIDS-NHL Diagnosis. *Cells*, 14(20).

Jorda A, et al. (2025) Stability of cytokine, cellular and clinical response to the intravenous LPS challenge repeated after one year: a healthy volunteer trial. *Medical microbiology and immunology*, 214(1), 14.

Hirt N, et al. (2025) Systems immunology integrates the complex endotypes of recessive dystrophic epidermolysis bullosa. *Nature communications*, 16(1), 664.

Tan Z, et al. (2025) Immune development differs between preterm newborns fed mothers' own milk and donor milk. *iScience*, 28(7), 112918.

Martin Corredera M, et al. (2025) Feeder-cell-free system for ex vivo production of natural killer cells from cord blood hematopoietic stem and progenitor cells. *Frontiers in immunology*, 16, 1531736.

Krishnan A, et al. (2024) Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) deletion in myeloid cells augments cholestatic liver injury. *Scientific reports*, 14(1), 2145.

Kosmider O, et al. (2024) VEXAS syndrome is characterized by inflammasome activation and monocyte dysregulation. *Nature communications*, 15(1), 910.

Calderon-Gonzalez R, et al. (2024) In vivo single-cell high-dimensional mass cytometry analysis to track the interactions between *Klebsiella pneumoniae* and myeloid cells. *PLoS pathogens*, 20(4), e1011900.

Jeanpierre M, et al. (2024) Haploinsufficiency in PTPN2 leads to early-onset systemic autoimmunity from Evans syndrome to lupus. *The Journal of experimental medicine*, 221(9).

Su P, et al. (2024) In vivo CRISPR screens identify a dual function of MEN1 in regulating tumor-microenvironment interactions. *Nature genetics*, 56(9), 1890.

Amarin JZ, et al. (2024) Immunophenotypic predictors of influenza vaccine immunogenicity in pediatric hematopoietic cell transplant recipients. *Blood advances*, 8(8), 1880.

Kamolratanakul S, et al. (2024) Comparison of the Single Cell Immune Landscape between Subjects with High *Mycobacterium tuberculosis* Bacillary Loads during Active Pulmonary Tuberculosis and Household Members with Latent Tuberculosis Infection. *Cells*, 13(4).

Saris J, et al. (2024) T-cell responses in colorectal peritoneal metastases are recapitulated in a humanized immune system mouse model. *Frontiers in immunology*, 15, 1415457.

Bordenave J, et al. (2024) Deciphering bone marrow engraftment after allogeneic stem cell transplantation in humans using single-cell analyses. *The Journal of clinical investigation*, 134(20).

Yin K, et al. (2023) Long COVID manifests with T cell dysregulation, inflammation, and an uncoordinated adaptive immune response to SARS-CoV-2. *bioRxiv* : the preprint server for biology.

Guo M, et al. (2023) Molecular, metabolic, and functional CD4 T cell paralysis in the lymph node impedes tumor control. *Cell reports*, 42(9), 113047.