

Resource Summary Report

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University of Pennsylvania Perelman School of Medicine Human Immunology Core Facility

RRID:SCR_022380

Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine Human Immunology Core Facility (RRID:SCR_022380)

Resource Information

URL: <https://pathbio.med.upenn.edu/hic/site/>

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Description: Core provides wet bench expertise and infrastructure support for early phase clinical trials and other investigations. Offers purified cell subsets from healthy human apheresis donors. HIC staff are qualified to perform blood (PBMC) and tissue processing for viable cryopreservation following validated standard operating procedures. Offers range of immunological assays including digital ELISA, ELISA, ELISPOT, Luminex, flow cytometry and immune repertoire profiling (NGS of BCR and TCR rearrangements in bulk and single cell formats). Offers investigators expertise and guidance in clinical trial sample processing, regulatory compliance, immunology assay design and validation, data analysis and grant writing support.

Abbreviations: HIC

Synonyms: University of Pennsylvania Perelman School of Medicine Human Immunology Core (HIC), Human Immunology Core (HIC)

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

Keywords: USEDit, ABRF

Resource Name: University of Pennsylvania Perelman School of Medicine Human Immunology Core Facility

Resource ID: SCR_022380

Alternate IDs: ARBF_1383

Alternate URLs: <https://coremarketplace.org?citation=1&FacilityID=1383>

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260731T043124+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine Human Immunology Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine Human Immunology Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Waldman AT, et al. (2026) Characterization of Clinical Phenotype to Glial Fibrillary Acidic Protein Concentrations in Alexander Disease. Annals of clinical and translational neurology.

Tebas P, et al. (2026) Clinical Trial Results Provide the Rationale to Protect Dual HIV-specific T Cells with a Signaling-Defective HIV Fusion Inhibitor. Molecular therapy : the journal of the American Society of Gene Therapy.

Dubensky SB, et al. (2025) Multimodal analysis defines GNG4 as a distinguishing feature of germinal center-positioned CD4 T follicular helper cells in humans. bioRxiv : the preprint server for biology.

Yang SJ, et al. (2025) Brain-derived extracellular vesicle microRNAs in Lewy body and Alzheimer's disease. bioRxiv : the preprint server for biology.

Karakasheva TA, et al. (2025) An Epigenetic Basis for Sustained Inflammatory Epithelial Progenitor Cell States in Crohn's Disease. Cellular and molecular gastroenterology and hepatology, 20(3), 101665.

Meshanni JA, et al. (2025) Targeted delivery of TGF- β mRNA to murine lung parenchyma using one-component ionizable amphiphilic Janus Dendrimers. Nature communications, 16(1), 1806.

Whitaker R, et al. (2025) Effects of injury size on local and systemic immune cell dynamics in volumetric muscle loss. NPJ Regenerative medicine, 10(1), 9.

Goldberg DC, et al. (2025) Scalable screening of ternary-code DNA methylation dynamics associated with human traits. *Cell genomics*, 5(9), 100929.

Zhao S, et al. (2025) Targeting IL13R α 2 in melanoma with a bispecific T-cell engager: expression profiling and preclinical evaluation. *Journal for immunotherapy of cancer*, 13(6).

Knox JJ, et al. (2025) B-Cell Subset Representation Predicts SARS-CoV-2 Vaccine Response in Solid Organ Transplant Recipients. *The Journal of infectious diseases*.

Melamed JR, et al. (2025) Anionic lipids modulate mRNA-lipid nanoparticle immunogenicity and confer protection in a mouse model of multiple sclerosis. *bioRxiv : the preprint server for biology*.

Padilla MS, et al. (2025) Branched endosomal disruptor (BEND) lipids mediate delivery of mRNA and CRISPR-Cas9 ribonucleoprotein complex for hepatic gene editing and T cell engineering. *Nature communications*, 16(1), 996.

Padilla MS, et al. (2025) Solution biophysics identifies lipid nanoparticle non-sphericity, polydispersity, and dependence on internal ordering for efficacious mRNA delivery. *bioRxiv : the preprint server for biology*.

O'Farrell A, et al. (2025) Innate Immune Memory is Stimulus Specific. *bioRxiv : the preprint server for biology*.

Denny JE, et al. (2025) Standard mouse diets lead to differences in severity in infectious and non-infectious colitis. *mBio*, 16(4), e0330224.

Pastorio C, et al. (2025) Retinol Binding Protein 4 reactivates latent HIV-1 by triggering canonical NF- κ B, JAK/STAT5 and JNK signalling. *Signal transduction and targeted therapy*, 10(1), 326.

Ma C, et al. (2025) Bioengineered immunocompetent preclinical trial-on-chip tool enables screening of CAR T cell therapy for leukaemia. *Nature biomedical engineering*.

Kulkarni M, et al. (2025) Human non-canonical inflammasomes activate CASP3 to limit intracellular *Salmonella* replication in macrophages. *bioRxiv : the preprint server for biology*.

Panthi A, et al. (2025) Alternate isoforms of IRF7 Differentially Regulate Interferon Expression to Tune Response to Viral Infection. *bioRxiv : the preprint server for biology*.

Giudice AM, et al. (2025) Target antigen-displaying extracellular vesicles boost CAR T cell efficacy in cell and mouse models of neuroblastoma. *Science translational medicine*, 17(825), eads4214.