

Resource Summary Report

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University of Pennsylvania Perelman School of Medicine High Throughput Screening Core Facility

RRID:SCR_022379

Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine High Throughput Screening Core Facility (RRID:SCR_022379)

Resource Information

URL: https://www.med.upenn.edu/cores/assets/user-content/documents/HTSC_overview_27May2015.pdf

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Description: Core provides distribution of lentivirus based shRNA and cDNA plasmid DNA clones; technical expertise in developing biological assays (i.e. biochemical-, cell-, and high-content) in miniaturized, multiwell microtiter plates that are laboratory automation compatible; high-throughput chemical and functional genomic screening, including data analysis and interpretation. Our goal is to use cutting biological models to discover genes and small molecules that enable scientists to further study functions of poorly understood proteins, signaling pathways, and cells in complex biological process relevant to human physiology and disease.

Abbreviations: HTSC

Synonyms: High-Throughput Screening Core (HTSC), University of Pennsylvania Perelman School of Medicine High-Throughput Screening Core (HTSC)

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

Keywords: USEDit, ABRF

Availability: open

Resource Name: University of Pennsylvania Perelman School of Medicine High Throughput Screening Core Facility

Resource ID: SCR_022379

Alternate IDs: ARBF_1391

Alternate URLs: <https://coremarketplace.org?citation=1&FacilityID=1391>

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260905T133425+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine High Throughput Screening Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine High Throughput Screening Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Bhakt P, et al. (2026) NS5-targeting nucleoside analogs inhibit dengue virus and other flaviviruses. PLoS pathogens, 22(2), e1013970.

Shi G, et al. (2026) Uridine cytidine kinase 1 promotes phosphatidylcholine biosynthesis, facilitating SARS-CoV-2 infection. Molecular cell.

Schultz K, et al. (2025) Snapshots of acyl carrier protein shuttling in human fatty acid synthase. Nature, 641(8062), 520.

Riscal R, et al. (2024) Bile Acid Metabolism Mediates Cholesterol Homeostasis and Promotes Tumorigenesis in Clear Cell Renal Cell Carcinoma. Cancer research, 84(10), 1570.

Ding J, et al. (2023) Total Synthesis of the Reported Structure of Neaumycin B. Journal of the American Chemical Society, 145(33), 18240.