Resource Summary Report

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University of Pennsylvania Perelman School of Medicine Next Generation Sequencing Core Facility

RRID:SCR_022382
Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine Next Generation Sequencing Core Facility (RRID:SCR_022382)

Resource Information

URL: https://ngsc.med.upenn.edu/#/

Proper Citation: University of Pennsylvania Perelman School of Medicine Next Generation Sequencing Core Facility (RRID:SCR_022382)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on December 10,2025. Core provides services related to single cell and bulk whole genome, RNA-Seq, ATAC-Seq, BIS-Seq, Exome-Seq, ChIP-Seq, CLIP-Seq, etc.Provides Illumina NovaSeq 6000 in addition to NextSeq and MiSeq sequencers - which all feature self-service as well as full-service operation. Offers experience with difficult, low input samples as well as sequencing and analyzing novel library types. Small Oxford Nanopore sequencer allows for full-length RNA or cDNA sequencing as well as very long read (100KB) sequencing from genomes. Offers experimental design services prior to starting your experiment.

Synonyms: Next Generation Sequencing Core (NGSC), University of Pennsylvania Perelman School of Medicine Next Generation Sequencing Core (NGSC)

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

Keywords: USEDit, ABRF, single cell and bulk whole genome, RNA-Seq, ATAC-Seq, BIS-Seq, Exome-Seq, ChIP-Seq, CLIP-Seq, services

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: University of Pennsylvania Perelman School of Medicine Next Generation Sequencing Core Facility

Resource ID: SCR_022382

Alternate IDs: ARBF_1394

Alternate URLs: https://coremarketplace.org?citation=1&FacilityID=1394

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 Next Generation Sequencing Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine Next Generation Sequencing Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Hamilton AG, et al. (2026) High-Throughput In Vivo Screening Using Barcoded mRNA Identifies Lipid Nanoparticles With Extrahepatic Tropism for In Situ Immunoengineering. Advanced materials (Deerfield Beach, Fla.), 38(13), e14370.

Barnes DT, et al. (2026) Delta family protocadherins contribute to protoglomerular targeting of olfactory sensory neuron axons in the olfactory bulb. PLoS genetics, 22(4), e1012090.

Han EL, et al. (2026) High-Throughput In Vivo Screening Identifies Structural Factors Driving mRNA Lipid Nanoparticle Delivery to the Brain. ACS nano, 20(4), 3807.

Rodr??guez LR, et al. (2025) Impaired AMPK control of alveolar epithelial cell metabolism promotes pulmonary fibrosis. JCI insight, 10(15).

Swingle KL, et al. (2025) Placenta-tropic VEGF mRNA lipid nanoparticles ameliorate murine pre-eclampsia. Nature, 637(8045), 412.

Awad S, et al. (2024) The YBX3 RNA-binding protein posttranscriptionally controls SLC1A5 mRNA in proliferating and differentiating skeletal muscle cells. The Journal of biological chemistry, 300(2), 105602.

Stone RA, et al. (2024) Diurnal retinal and choroidal gene expression patterns support a role for circadian biology in myopia pathogenesis. Scientific reports, 14(1), 533.

Xue L, et al. (2024) High-throughput barcoding of nanoparticles identifies cationic, degradable lipid-like materials for mRNA delivery to the lungs in female preclinical models.

Nature communications, 15(1), 1884.

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.

Hamilton AG, et al. (2024) High-Throughput In Vivo Screening Identifies Differential Influences on mRNA Lipid Nanoparticle Immune Cell Delivery by Administration Route. ACS nano, 18(25), 16151.

Pai C, et al. (2023) Sequencing Reveals miRNAs Enriched in the Developing Mouse Enteric Nervous System. Non-coding RNA, 10(1).

Yamamoto T, et al. (2023) RIP140 deficiency enhances cardiac fuel metabolism and protects mice from heart failure. The Journal of clinical investigation, 133(9).

Fitz NF, et al. (2022) Genome-wide alteration of histone methylation profiles associated with cognitive changes in response to developmental arsenic exposure in mice. Toxicology reports, 9, 393.