Resource Summary Report

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Penn State College of Medicine Genome Sciences Core Facility

RRID:SCR_021123
Type: Tool

Proper Citation

Penn State College of Medicine Genome Sciences Core Facility (RRID:SCR_021123)

Resource Information

URL: https://research.med.psu.edu/core-facilities/genome-sciences/

Proper Citation: Penn State College of Medicine Genome Sciences Core Facility (RRID:SCR_021123)

Description: Provides consultation, instrumentation and services in genomic, epigenomic and transcriptomic studies, analysis of candidate SNPs and mRNAs to whole genome, exome, epigenome and transcriptome sequencing. Services are also available for variety of study designs extending from few laboratory samples to large clinical projects involving hundreds or thousands of samples.Bioinformatics service is available for data analysis.Facility receives either tissue, DNA/RNA or customer generated NGS libraries. Samples are processed based on agreement reached during consultations on design of experiment.

Synonyms: Genome Sciences and Bioinformatics Facility, Pennsylvania State University Genome Sciences and Bioinformatics Facility

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

Keywords: genomic, epigenomic, transcriptomic, consultation, instrumentation, services, iLab, ABRF, ABRF

Availability: open

Resource Name: Penn State College of Medicine Genome Sciences Core Facility

Resource ID: SCR_021123

Alternate IDs: ABRF_1162

Alternate URLs: https://coremarketplace.org/?FacilityID=1162

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260821T194150+0000

Ratings and Alerts

No rating or validation information has been found for Penn State College of Medicine Genome Sciences Core Facility.

No alerts have been found for Penn State College of Medicine Genome Sciences Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Hale A, et al. (2026) Genome-wide CRISPR screens identify DNA repair and R-loop suppression as regulators of the cellular sensitivity to environmentally relevant Bisphenol A exposure. bioRxiv : the preprint server for biology.

Valensi H, et al. (2026) Lineage-specific CK2? deletion reshapes the transcriptome of hematopoietic stem cells toward an immune-primed state. bioRxiv : the preprint server for biology.

Knox G, et al. (2026) Oncofetal RNA-binding proteins of IGF2BP family suppress IRF-3 and NF-kB dependent transcription downstream of cytosolic RNA sensors. bioRxiv : the preprint server for biology.

Nusawardhana A, et al. (2026) Genome-wide CRISPR screens identify the EXO1-CAF-1 pathway suppressing R-loop-associated DNA damage. Nucleic acids research, 54(5).

Martín A, et al. (2026) Targeted KRASG12V Degradation in vivo Elicits Lung Adenocarcinoma Regression with Subsequent Relapse from Dysregulated Proteolysis. Cancer research.

Chavez J, et al. (2026) The Zinc-Finger Protein POGZ Associates with Polycomb Repressive Complex 1 to Regulate Bone Morphogenetic Protein Signaling During Neuronal Differentiation. Stem cell reviews and reports, 22(3), 1371.

Fajardo AF, et al. (2026) In vivo CRISPR knockout screen identifies Polr1a as a key driver and a potential therapeutic target for melanoma metastasis. Oncogene, 45(29), 2978.

VanCleave AM, et al. (2026) GSK3? promotes p53/Nrf2-dependent expression of the stress response protein REDD2 in retinal Müller glia exposed to hyperlipidemic conditions.

Experimental eye research, 267, 110957.

Lawrence SS, et al. (2025) Interferon-?/Janus Kinase 1/STAT1 Signaling Represses Forkhead Box A1 and Drives a Basal Transcriptional State in Muscle-Invasive Bladder Cancer. The American journal of pathology, 195(5), 1013.

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. Research square.

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

Ozbolat I, et al. (2025) Bioprinted Ventilated 3D Alveoliform Epithelial Sacculoids. Research square.

Manjila SB, et al. (2025) Brain-wide connectivity and novelty response of the dorsal endopiriform nucleus in mice. Cell reports, 44(7), 115827.

Back F, et al. (2025) Adeno-associated viral vector resource for the RNA-targeting Cas13d: A comparison of high-fidelity variants, DjCas13d and hfCas13d. Molecular therapy. Methods & clinical development, 33(4), 101565.

Montemarano A, et al. (2025) Projection-defined ventral tegmental area neurons exhibit fentanyl-induced molecular and functional adaptations that differentially support drug-context associations. bioRxiv : the preprint server for biology.

Morais LH, et al. (2025) The gut microbiome promotes mitochondrial respiration in the brain of a Parkinson's disease mouse model. NPJ Parkinson's disease, 11(1), 301.

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.

Chan K, et al. (2025) Genome Instability Precedes Viral Integration in Human Papillomavirus-Transformed Tonsillar Keratinocytes. Molecular cancer research : MCR, 23(2), 119.

Strömbäck C, et al. (2025) Positive anticipated affective reactions increase pro-environmental behavior. iScience, 28(5), 112389.

Apsley AT, et al. (2025) Cross-tissue comparison of epigenetic aging clocks in humans. Aging cell, 24(4), e14451.