

Resource Summary Report

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University of Colorado Anschutz Medical Campus Cancer Center Genomics Shared Resource Core Facility

RRID:SCR_021984

Type: Tool

Proper Citation

University of Colorado Anschutz Medical Campus Cancer Center Genomics Shared Resource Core Facility (RRID:SCR_021984)

Resource Information

URL: <https://medschool.cuanschutz.edu/colorado-cancer-center/research/shared-resources/genomics>

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Description: GSR provides genome-wide analyses of DNA sequence, transcriptomes, epigenetics and cytogenomics using next generation sequencing (NGS) and gene microarrays; and single cell genomic and transcriptomic analyses including single cell immune profiling and spatial gene expression.

Abbreviations: GSR

Synonyms: Genomics Shared Resource

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

Keywords: ABRF, USEDit, genome analyses of DNA sequence, transcriptomes, epigenetics, cytogenomic, next generation sequencing, gene microarrays

Resource Name: University of Colorado Anschutz Medical Campus Cancer Center Genomics Shared Resource Core Facility

Resource ID: SCR_021984

Alternate IDs: ABRF_1310

Alternate URLs: <https://coremarketplace.org/?FacilityID=1310>

Record Creation Time: 20220421T050138+0000

Record Last Update: 20260912T200413+0000

Ratings and Alerts

No rating or validation information has been found for University of Colorado Anschutz Medical Campus Cancer Center Genomics Shared Resource Core Facility.

No alerts have been found for University of Colorado Anschutz Medical Campus Cancer Center Genomics Shared Resource Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 77 mentions in open access literature.

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

Sottnik JL, et al. (2026) Advanced models of lobular breast cancer metastasis capture clinical organ tropism, endocrine response, and bone remodeling. bioRxiv : the preprint server for biology.

Farrell KB, et al. (2026) Omacetaxine reduces c-Myc expression and demonstrates antitumor effects in osteosarcoma. Scientific reports, 16(1).

Cozzens LM, et al. (2026) SOX9 and SEMA7A regulate cell plasticity in the postpartum mammary gland with implications for breast cancer. bioRxiv : the preprint server for biology.

Cuevas M, et al. (2026) Nuclei Isolation Methods on Frozen Clotted Blood Samples. Bio-protocol, 16(2), e5573.

Nebenfuehr B, et al. (2026) Uncovering genetic interactions in the DNA repair network in response to endogenous damage and ionizing radiation. Cell reports, 45(1), 116850.

Jeng AC, et al. (2026) Elevated zygotc let-7f-5p alters developmental trajectories and sex-specific somatic growth. iScience, 29(6), 116115.

Allen TE, et al. (2026) Early Developmental Neuronal Activity Impacts Oligodendrocyte Differentiation Through AMPA Receptors. Glia, 74(8), e70157.

Ortega R, et al. (2026) PARP1 and PARP2 are dispensable for DNA repair by microhomology-mediated end-joining at double-ended DSBs. Nucleic acids research, 54(1).

Yang Z, et al. (2026) Photosynthetic Diel Cycling Influences Inverse Zinc and Copper Solubility Dynamics within a Constructed Wetland. *Environmental science & technology*, 60(14), 10775.

Christenson JL, et al. (2026) Metastasis-Associated Wound Repair Promotes Reciprocal Lung Epithelium Activation and Breast Cancer Metastatic Outgrowth. *Cancer research communications*, 6(4), 750.

Hill JL, et al. (2026) Transcriptomic profiling of the embryonic *C. elegans* intestine with single-cell resolution. *bioRxiv : the preprint server for biology*.

Walters K, et al. (2026) Isoform-Specific Localization Diversifies Human MSI2 Function. *bioRxiv : the preprint server for biology*.

Garcia C, et al. (2026) FATP2-mediated lipid metabolism enhances chimeric antigen receptor T-cell therapy resistance in B-cell acute lymphoblastic leukemia. *Leukemia*, 40(8), 1763.

Alvarez-Eraso KLF, et al. (2026) Estradiol Reprograms Microglia to Create an Immune-Suppressed Niche Permissive to Breast Cancer Brain Metastasis. *bioRxiv : the preprint server for biology*.

Fox MS, et al. (2026) Brain FGF2 and NCAM1 contribute to FGFR1-dependent progression of estrogen receptor-positive breast cancer brain metastases. *Nature communications*, 17(1).

Stoner SN, et al. (2026) Myeloid cell reprogramming drives enhanced defense against *Streptococcus pneumoniae* lung infection following exposure to commensal *Prevotella*. *bioRxiv : the preprint server for biology*.

Stemm-Wolf AJ, et al. (2026) Big1 is a cell-cycle regulator linking cell size to basal body number in *Tetrahymena thermophila*. *Current biology : CB*, 36(7), 1882.

Hladik C, et al. (2026) Spatially Resolved Obesity-Driven Molecular Changes in Early Breast Cancer. *The American journal of pathology*, 196(7), 1471.

Fernandez B, et al. (2025) Single-cell RNA sequencing reveals distinct senotypes and a quiescence-senescence continuum at the transcriptome level following chemotherapy. *bioRxiv : the preprint server for biology*.

Tran LN, et al. (2025) Epigenetic priming of neural progenitors by Notch enhances Sonic hedgehog signaling and establishes gliogenic competence. *bioRxiv : the preprint server for biology*.