Resource Summary Report

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Augusta University Integrated Genomics Shared Resource Core Facility

RRID:SCR_026483
Type: Tool

Proper Citation

Augusta University Integrated Genomics Shared Resource Core Facility (RRID:SCR_026483)

Resource Information

URL: https://www.augusta.edu/cancer/research/shared-resources/genomics/

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Description: Core offers services from sample processing from both fresh and frozen, as well as fixed cells or tissues to library preparation and next-generation sequencing (NGS) for bulk DNA/RNA sequencing and single-cell/nuclei sequencing. For single-cell studies, core is equipped with Chromium X system from 10X Genomics. Sequencing capabilities include Illumina Novaseq6000 and NextSeq 500. Offers single cell spatial transcriptomics with CosMx SMI platform. Other equipped includes CytAssit instrument from 10X genomics for VISIUM spatial transcriptomic and QIAConnect from Qiagen for nucleic acid and protein extraction.

Synonyms: Integrated Genomics Shared Resource

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

Keywords: ABRF, sample processing, library preparation, next-generation sequencing, DNA/RNA sequencing, single-cell/nuclei sequencing,

Resource Name: Augusta University Integrated Genomics Shared Resource Core Facility

Resource ID: SCR_026483

Alternate IDs: ABRF_3070

Alternate URLs: https://coremarketplace.org/?FacilityID=3070&citation=1

Record Creation Time: 20250228T060337+0000

Record Last Update: 20260829T183431+0000

Ratings and Alerts

No rating or validation information has been found for Augusta University Integrated Genomics Shared Resource Core Facility.

No alerts have been found for Augusta University Integrated Genomics Shared Resource Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Czabala P, et al. (2026) Distinct and cooperative roles of host and tumor Osteopontin in colorectal cancer liver metastasis. bioRxiv : the preprint server for biology.

Jones G, et al. (2026) Comprehensive profiling of the human tear fluid miRNome using small RNA sequencing. The ocular surface, 40, 133.

Shi H, et al. (2026) Chemotherapy-induced reactive myelopoiesis promotes expansion of immunosuppressive neutrophil-like monocytes in mice and humans. JCI insight, 11(10).

Chatterjee N, et al. (2026) Unveiling patterns: an exploration of machine learning techniques for unsupervised feature selection in single-cell data. Briefings in bioinformatics, 27(1).

Heo Y, et al. (2026) Expression changes of human Schlemm's canal endothelial cells in response to cyclic mechanical stretch. Experimental eye research, 262, 110747.

Okoko OD, et al. (2026) Indomethacin exerts both cyclooxygenase inhibition-dependent and independent mechanisms to enhance chemo-immunotherapy in mice. bioRxiv : the preprint server for biology.

Rivera-Caraballo KA, et al. (2026) Oncolytic HSV-1-Mediated JAG1 Blockade Induces Glioma Senescence-Associated Secretory Phenotype to Increase Macrophage Activation and Cetuximab-Mediated Senolysis. Cancer research, 86(5), 1232.

Tiamiyu Z, et al. (2026) Multi-compartment immune and tumor cell reprogramming by IFN??2 overcomes colon cancer immunotherapy resistance. bioRxiv : the preprint server for biology.

Gazi MY, et al. (2026) Targeting phosphodiesterase 10A disrupts MAPK signaling pathways in the tumor microenvironment to unleash antitumor immunity. bioRxiv : the preprint server for biology.

Takezaki M, et al. (2025) The histone deacetylase inhibitor CT-101 flips the switch to fetal hemoglobin expression in sickle cell disease mice. PloS one, 20(5), e0323550.

Sreekumar A, et al. (2025) TREM1 is essential for maintaining stemness of liver cancer stem-like cells in hepatocellular carcinoma. Frontiers in immunology, 16, 1618342.

Lu C, et al. (2025) Slc7a5 promotes T cell anti-tumor immunity through sustaining cytotoxic T lymphocyte effector function. Oncogene.