Resource Summary Report

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Wisconsin-Madison University Biotechnology Center Gene Expression Center Core Facility

RRID:SCR_017757
Type: Tool

Proper Citation

Wisconsin-Madison University Biotechnology Center Gene Expression Center Core Facility (RRID:SCR_017757)

Resource Information

URL: https://www.biotech.wisc.edu/services/gec

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Description: Core provides RNA library preparation services for Illumina, PacBio and Oxford Nanopore sequencing platforms. Single Cell RNA and Spatial Transcriptomics services are available with 10X Genomics technology. Provides RNA extraction, RNA QC and SNP genotyping and methylation bead array services. Provides support from project design through downstream analysis.Service facility, from hypothesis to publication.Microarray: expression and genotyping Affymetrix, Agilent, Nimblegen. Sequencing: RNA, gDNA, ChIP, Capture, 16SNovaSeq, HiSeq 2500, 3000, MiSeq.

Abbreviations: GEC

Synonyms: Gene Expression Center, UWBC Gene Expression Center

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

Keywords: Gene, expression, microarray, sequencing, RNA, gDNA, ChIP, Capture, HISeq, MiSeq, 16SNOvaSeq, service, core

Availability: Open

Resource Name: Wisconsin-Madison University Biotechnology Center Gene Expression Center Core Facility

Resource ID: SCR_017757

Alternate IDs: SCR_019325, ABRF_287

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260905T133411+0000

Ratings and Alerts

No rating or validation information has been found for Wisconsin-Madison University Biotechnology Center Gene Expression Center Core Facility.

No alerts have been found for Wisconsin-Madison University Biotechnology Center Gene Expression Center Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Suryavanshi S, et al. (2026) Allelic Variation at 9p21.3 Orchestrates Widespread RNA Splicing Shifts Governing Vascular Smooth Muscle Cell Plasticity. bioRxiv : the preprint server for biology.

Wegrzynowicz AK, et al. (2026) Single-cell analysis of follicular fluid reveals dysregulation of ovulatory immune function in Polycystic Ovary Syndrome patients undergoing ovarian stimulation†. Biology of reproduction, 114(5), 1736.

Barnes KL, et al. (2026) Isolation, validation, and long-term culture of mouse ear fibroblasts. Biology open, 15(5).

Miller AH, et al. (2026) Inhibition of Cxcr4 chemokine receptor signaling improves habituation learning in a zebrafish model of neurofibromatosis. Disease models & mechanisms, 19(3).

Purohit TA, et al. (2026) Genetic loss of CHD1 regulates distinct histone post-translational modifications in the development of castration-resistant prostate cancer. Neoplasia (New York, N.Y.), 73, 101289.

Kerr CP, et al. (2026) Priming versus propagating: distinct immune effects of alpha- versus beta-particle emitting radiopharmaceuticals when combined with immune checkpoint inhibition in mice. Nature communications, 17(1).

Feeney AK, et al. (2026) Early multi-omic signatures and machine learning models predict cardiomyocyte differentiation efficiency and enable robust hPSC differentiation to cardiomyocytes. bioRxiv : the preprint server for biology.

Bernau K, et al. (2026) Development and characterization of an inducible Tensin1 deficient transgenic murine model. Scientific reports, 16(1).

Yang H, et al. (2026) Inflammatory macrophages drive smooth muscle dedifferentiation via YAP signaling in murine deep vein thrombosis. Cell communication and signaling : CCS, 24(1).

Heredia MY, et al. (2026) Competition between commensal protists shapes gut mucosal immunity in mice. mBio, 17(6), e0080226.

Smith FM, et al. (2026) The paracrine factor myeloid derived growth factor regulates the inflammatory fate and motility of human induced pluripotent stem cell-derived neutrophils. Journal of immunology (Baltimore, Md. : 1950), 215(2).

Park SC, et al. (2026) Leaderless RiPPs expand the repertoire of fungal secondary metabolites. Proceedings of the National Academy of Sciences of the United States of America, 123(7), e2529748123.

Yuan NY, et al. (2026) Stimulus-Based ApoE Alzheimer's Disease Induction Model Using Microglia-Containing Brain Organoids for Drug Discovery. Cells, 15(14).

Xu Z, et al. (2026) An adaptable, self-organizing, single-cell morphology circuit optimizes suctorian predatory trap structure. Current biology : CB, 36(14), 3462.

Edwards KL, et al. (2025) Robust generation of photoreceptor-dominant retinal organoids from porcine induced pluripotent stem cells. Stem cell reports, 20(4), 102425.

Salido E, et al. (2025) The 9p21.3 Coronary Artery Disease Risk Locus Drives Vascular Smooth Muscle Cells to an Osteochondrogenic State. Arteriosclerosis, thrombosis, and vascular biology, 45(5), 702.

Calubag MF, et al. (2025) Lifelong restriction of dietary valine has sex-specific benefits for health and lifespan in mice. bioRxiv : the preprint server for biology.

Yuan NY, et al. (2025) Neural organoids incorporating microglia to assess neuroinflammation and toxicities induced by known developmental neurotoxins. Current research in toxicology, 9, 100252.

Trautman ME, et al. (2025) Dietary isoleucine content modulates the metabolic and molecular response to a Western diet in mice. Molecular metabolism, 101, 102248.

Polaki US, et al. (2025) Loss of GATA2 promotes invasion and predicts cancer recurrence and survival in uterine serous carcinoma. JCI insight, 10(9).