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: service resource, core facility, access service resource

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

Funding:

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: 20250514T061822+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 34 mentions in open access literature.

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

Hou Y, et al. (2024) Single-cell transcriptional landscape of temporal neutrophil response to burn wound in larval zebrafish. bioRxiv : the preprint server for biology.

Geiduschek EK, et al. (2024) DAMPs Drive Fibroinflammatory Changes in the Glaucomatous ONH. Investigative ophthalmology & visual science, 65(12), 13.

Senn KA, et al. (2024) Control of 3' splice site selection by the yeast splicing factor Fyv6. bioRxiv : the preprint server for biology.

Issigonis M, et al. (2024) A niche-derived nonribosomal peptide triggers planarian sexual development. Proceedings of the National Academy of Sciences of the United States of America, 121(26), e2321349121.

Saha S, et al. (2024) Diminished Immune Cell Adhesion in Hypoimmune ICAM-1 Knockout Pluripotent Stem Cells. bioRxiv : the preprint server for biology.

Salido E, et al. (2024) The 9p21.3 coronary artery disease risk locus drives vascular smooth muscle cells to an osteochondrogenic state. bioRxiv : the preprint server for biology.

Trautman ME, et al. (2024) Dietary isoleucine content defines the metabolic and molecular response to a Western diet. bioRxiv : the preprint server for biology.

Senn KA, et al. (2024) Control of 3' splice site selection by the yeast splicing factor Fyv6. eLife, 13.

Wexler AC, et al. (2024) Cardiac overexpression of a mitochondrial SUR2A splice variant impairs cardiac function and worsens myocardial ischemia reperfusion injury in female mice. Journal of molecular and cellular cardiology plus, 9.

Jia S, et al. (2024) Single-cell transcriptomic profiling of the neonatal oviduct and uterus reveals new insights into upper Müllerian duct regionalization. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(9), e23632.

Simmons AD, et al. (2024) Integrated multi-omics analysis identifies features that predict human pluripotent stem cell-derived progenitor differentiation to cardiomyocytes. Journal of molecular and cellular cardiology, 196, 52.

Yeh CY, et al. (2024) Late-life protein or isoleucine restriction impacts physiological and molecular signatures of aging. Nature aging, 4(12), 1760.

Jennings H, et al. (2024) Normothermic liver perfusion derived extracellular vesicles have concentration-dependent immunoregulatory properties. Journal of extracellular vesicles, 13(7), e12485.

Al-Adra D, et al. (2024) Single cell RNA-sequencing identifies the effect of Normothermic ex vivo liver perfusion on liver-resident T cells. Transplant immunology, 86, 102104.

Harwood OE, et al. (2023) CD8+ cells and small viral reservoirs facilitate post-ART control of SIV replication in M3+ Mauritian cynomolgus macaques initiated on ART two weeks post-infection. PLoS pathogens, 19(9), e1011676.

Harwood OE, et al. (2023) CD8+ cells and small viral reservoirs facilitate post-ART control of SIV in Mauritian cynomolgus macaques. bioRxiv : the preprint server for biology.

Yeh CY, et al. (2023) Restricting dietary protein or dietary isoleucine improves metabolic health in aged mice. bioRxiv : the preprint server for biology.

Wang YW, et al. (2023) Invasive Californian death caps develop mushrooms unisexually and bisexually. Nature communications, 14(1), 6560.

De Lange WJ, et al. (2023) cMyBP-C ablation in human engineered cardiac tissue causes progressive Ca2+-handling abnormalities. The Journal of general physiology, 155(4).

Wang YW, et al. (2023) Uniparental Inheritance and Recombination as Strategies to Avoid Competition and Combat Muller's Ratchet among Mitochondria in Natural Populations of the Fungus Amanita phalloides. Journal of fungi (Basel, Switzerland), 9(4).