Resource Summary Report

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Dartmouth Genomics and Molecular Biology Shared Resource (GMBSR)

RRID:SCR_021293
Type: Tool

Proper Citation

Dartmouth Genomics and Molecular Biology Shared Resource (GMBSR) (RRID:SCR_021293)

Resource Information

URL: https://cancer.dartmouth.edu/scientists-researchers/molecular-biology-resource

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Description: Genomics Section provides services and instrumentation that enable DNA/RNA extraction and quality control, next-generation Illumina and Nanopore sequencing, epigenetic profiling, and microarray analysis on a whole-genome scale, from the level organisms to single cells. Molecular Biology Section provides DNA fragment analysis qPCR, Sanger sequencing and NanoString Technology.

Synonyms: Molecular Biology Resource, Molecular Biology Shared Resource

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

Keywords: USEDit, ABRF, DNA fragment analysis qPCR, Sanger sequencing, NanoString Technology,

Funding: NCI 5P30CA023108;
NIGMS P20GM130454;
NIH Office of the Director 1S10OD030242;
NIH Office of the Director S10OD025235

Resource Name: Dartmouth Genomics and Molecular Biology Shared Resource (GMBSR)

Resource ID: SCR_021293

Alternate IDs: ABRF_995

Alternate URLs: https://coremarketplace.org/?FacilityID=995

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260804T043724+0000

Ratings and Alerts

No rating or validation information has been found for Dartmouth Genomics and Molecular Biology Shared Resource (GMBSR).

No alerts have been found for Dartmouth Genomics and Molecular Biology Shared Resource (GMBSR).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Lux BK, et al. (2026) Vicarious trauma primes innate immunity and reconfigures human brain networks. bioRxiv : the preprint server for biology.

Kohsar A, et al. (2026) Comprehensive analysis of spinal cord inflammatory factors in HIV Tat-induced neuropathy in mice. Neuroscience, 595, 205.

Gutzmann DJ, et al. (2025) Cwh8 moonlights as a farnesyl pyrophosphate phosphatase and is essential for farnesol biosynthesis in Candida albicans. mBio, e0229025.

Rajesh-Khanna DS, et al. (2025) Coordinated regulation of Mdr1- and Cdr1-mediated protection from antifungals by the Mrr1 transcription factor in emerging Candida spp. bioRxiv : the preprint server for biology.

Kolling FW, et al. (2025) Multi-site Assessment of Methods for Cell Preservation Upstream of Single Cell RNA Sequencing. bioRxiv : the preprint server for biology.

Saxe R, et al. (2025) Hierarchical Lineage Tracing Reveals Diverse Pathways of AML Treatment Resistance. bioRxiv : the preprint server for biology.

Potts CM, et al. (2025) Exploration of Conserved Human Adipose Subpopulations Using Targeted Single-Nuclei RNA Sequencing Data Sets. Journal of the American Heart Association, 14(6), e038465.

Kang T, et al. (2025) Targeting pyruvate metabolism generates distinct CD8+ T cell responses to gammaherpesvirus and B lymphoma. JCI insight, 10(16).

Blinkiewicz PV, et al. (2025) Colorectal cancer-associated PCBP1 mutations disrupt protein stability in a dominant negative manner. bioRxiv : the preprint server for biology.

Sajani A, et al. (2025) Heterogeneity and plasticity of the na??ve CD4+ T cell compartment. Research square.

Lu H, et al. (2025) Epithelial-Mesenchymal Transition is Associated with Altered Immune Composition and Cytotoxic Function in Triple-Negative Breast Cancer. bioRxiv : the preprint server for biology.

Sarkar S, et al. (2025) Let-7b-5p loaded Mesenchymal Stromal Cell Extracellular Vesicles reduce Pseudomonas-biofilm formation and inflammation in CF Bronchial Epithelial Cells. bioRxiv : the preprint server for biology.

Jakubzick C, et al. (2025) The Dichotomy of Tumor Control by Recruited and Resident Tumor-Associated Macrophages. Research square.

Badal S, et al. (2025) Novel Afro-Caribbean Prostate Cancer Model Reveals Ancestry-Specific Drug Vulnerabilities with Therapeutic Implications for Black Patients. Cancer research communications, 5(10), 1758.

Rajesh-Khanna D-S, et al. (2025) Coordinated regulation of Mdr1- and Cdr1-mediated protection from antifungals by the Mrr1 transcription factor in emerging Candida spp. mBio, 16(11), e0132325.

North BJ, et al. (2025) The rapidly expanding role of LC3-interacting regions in autophagy. The Journal of cell biology, 224(8).

Cairo G, et al. (2025) Disrupted MOS signaling alters meiotic cell cycle regulation and the egg transcriptome. Reproduction (Cambridge, England), 170(1).

Sarkar S, et al. (2025) Mesenchymal stromal cell extracellular vesicles reduce Pseudomonas biofilm formation, and let-7b-5p loading confers additional anti-inflammatory effects. American journal of physiology. Lung cellular and molecular physiology, 329(4), L455.

Muse ME, et al. (2025) Maternal Diet Quality in Pregnancy and Human Milk Extracellular Vesicle and Particle microRNA. Epigenetics reports, 3(1), 1.

Marquez Davila VA, et al. (2025) A minimal model for the role of Rim4 in regulating meiotic exit in budding yeast. bioRxiv : the preprint server for biology.