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: 20250423T061132+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 16 mentions in open access literature.

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

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

Wang Z, et al. (2024) The auxotrophic formate (for) mutant of Neurospora crassa has significantly delayed growth but a normal circadian clock. Fungal genetics reports, 68.

Lee MK, et al. (2024) Identifying tumor type and cell type-specific gene expression alterations in pediatric central nervous system tumors. Nature communications, 15(1), 3634.

Yeum D, et al. (2024) Genetic associations with neural reward responsivity to food cues in children. Frontiers in nutrition, 11, 1387514.

Sudo K, et al. (2024) Quantifying Forms and Functions of Enterohepatic Bile Acid Pools in Mice. Cellular and molecular gastroenterology and hepatology, 18(6), 101392.

Rosner GM, et al. (2024) Lung-Kidney Axis in Cystic Fibrosis: Early Urinary Markers of Kidney Injury Correlate with Neutrophil Activation and Worse Lung Function. medRxiv : the preprint server for health sciences.

Huynh TN, et al. (2024) Inhibiting the Cholesterol Storage Enzyme ACAT1/SOAT1 in Myelin

Debris-Treated Microglial Cell Lines Activates the Gene Expression of Cholesterol Efflux Transporter ABCA1. Biomolecules, 14(10).

Romo BA, et al. (2024) TRIM33 Is a Co-Regulator of Estrogen Receptor Alpha. Cancers, 16(5).

Bagheri M, et al. (2024) Alteration of DNA methyltransferases by eribulin elicits broad DNA methylation changes with potential therapeutic implications for triple-negative breast cancer. Epigenomics, 16(5), 293.

Gadgil P, et al. (2024) Aneuploidy of Specific Chromosomes is Beneficial to Cells Lacking Spindle Checkpoint Protein Bub3. bioRxiv : the preprint server for biology.

Tau S, et al. (2024) Endocrine persistence in ER+ breast cancer is accompanied by metabolic vulnerability in oxidative phosphorylation. bioRxiv : the preprint server for biology.

James MR, et al. (2023) Aspergillus fumigatus cytochrome c impacts conidial survival during sterilizing immunity. mSphere, 8(6), e0030523.

Traphagen NA, et al. (2023) Estrogen Therapy Induces Receptor-Dependent DNA Damage Enhanced by PARP Inhibition in ER+ Breast Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(18), 3717.

Schwartz GN, et al. (2023) Alternating 17?-Estradiol and Aromatase Inhibitor Therapies Is Efficacious in Postmenopausal Women with Advanced Endocrine-Resistant ER+ Breast Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(15), 2767.

James MR, et al. (2023) Aspergillus fumigatus cytochrome c impacts conidial survival during sterilizing immunity. bioRxiv : the preprint server for biology.

Downey-Kopyscinski SL, et al. (2022) A clinically relevant pulse treatment generates a bortezomib-resistant myeloma cell line that lacks proteasome mutations and is sensitive to Bcl-2 inhibitor venetoclax. Scientific reports, 12(1), 12788.