

Resource Summary Report

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Johns Hopkins University School of Medicine Genetic Resources Core Facility

RRID:SCR_018669

Type: Tool

Proper Citation

Johns Hopkins University School of Medicine Genetic Resources Core Facility
(RRID:SCR_018669)

Resource Information

URL: <https://grcf.jhmi.edu/>

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Description: Established to produce immortalized cell lines from human blood (EBV transformations). Offers genomics applications for single cells, including RNA-seq, gene expression profiling by qPCR and DNA amplification for whole-genome or targeted (exome or PCR-based analysis) through 10x Genomics Chromium platform (similar to Drop Seq). Offers custom genotyping to analyze short tandem repeats, variable number tandem repeats and single nucleotide polymorphisms.

Abbreviations: GRCF

Synonyms: GRCF Cell Center, Genetic Resources Core Facility, JHU-NAT, GRCF Biorepository and Cell Center, GRCF DNA Services, Genetic Resources Core Facility (GRCF) BioRepository and Cell Center, JHU Nucleic Acid Technologies, JHU BioBank

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

Keywords: USEDit, immortalized cell line production, human blood, RNAseq, gene expression profiling, qPCR, DNA amplification, exome, genome, PCR, analysis, ABRF

Resource Name: Johns Hopkins University School of Medicine Genetic Resources Core Facility

Resource ID: SCR_018669

Alternate IDs: ABRF_344

Alternate URLs: <https://grcf.jhmi.edu/grcf-services/>

Old URLs: <https://grcf.jhmi.edu/biorepository-cell-center/>

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260731T043025+0000

Ratings and Alerts

No rating or validation information has been found for Johns Hopkins University School of Medicine Genetic Resources Core Facility.

No alerts have been found for Johns Hopkins University School of Medicine Genetic Resources Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Grossman NT, et al. (2025) Three annotated chromosome-level de novo genome assemblies of *Lomentospora prolificans* provide evidence for a chromosomal translocation event. *G3* (Bethesda, Md.), 15(6).

Randighieri M, et al. (2025) The impact of brain-derived neurotrophic factor gene polymorphisms on post-stroke naming in aphasia. *PloS one*, 20(7), e0327320.

Sofowora I, et al. (2025) Regulation of the promoter for capsular polysaccharide synthesis in *Neisseria meningitidis* serogroup B by HTH_XRE family transcription factor. *Microbiology spectrum*, 13(6), e0330124.

Seluzicki CM, et al. (2025) Regulation of translation elongation and integrated stress response in heat-shocked neurons. *Cell reports*, 44(5), 115639.

Saini T, et al. (2025) Insulin-Like Growth Factor 2 mRNA-Binding Protein 2 (IGF2BP2) Promotes Castration-Resistant Prostate Cancer Progression by Regulating AR-V7 mRNA Stability. *Cancer reports* (Hoboken, N.J.), 8(2), e70096.

Zhang W, et al. (2025) Complete CD16A Deficiency and Defective NK Cell Function in a Man Living with HIV. *Journal of clinical immunology*, 45(1), 98.

Lai M, et al. (2025) Epigenome-wide association study of nuclear DNA methylation in relation to mitochondrial heteroplasmy. *Nature communications*, 16(1), 10962.

Jacobs E, et al. (2025) A method for authenticating the fidelity of *Cryptococcus neoformans* knockout collections. *bioRxiv : the preprint server for biology*.

Heinsberg LW, et al. (2025) Differential DNA Methylation of the Brain-Derived Neurotrophic Factor Gene is Observed after Pediatric Traumatic Brain Injury Compared to Orthopedic Injury. medRxiv : the preprint server for health sciences.

Jacobs E, et al. (2025) A method for authenticating the fidelity of *Cryptococcus neoformans* knockout collections. Microbiology spectrum, 13(10), e0050125.

Catterson PJ, et al. (2025) Indicator Tubes: A Novel Solution for Monitoring Temperature Excursions in Biobank Storage. Methods and protocols, 8(5).

Dragotakes Q, et al. (2025) A conserved enzymatic toolkit targeting host cell metabolism is associated with *Cryptococcus neoformans* intracellular survival in protozoal and mammalian phagocytic cells. PLoS pathogens, 21(12), e1013787.

Fernandez RF, et al. (2025) Dysregulated hippocampal fatty acid metabolism following intermittent hypoxemia-induced neonatal brain injury is rescued by treatment with acetate. Nature communications.

Nguyen DQ, et al. (2025) Maternal organophosphate pesticide exposure in relation to birthweight: Modification by placenta transporter genotype. Placenta, 172, 40.

Osborne T, et al. (2025) Setdb2 Regulates Inflammatory Trigger-Induced Trained Immunity of Macrophages Through Two Different Epigenetic Mechanisms. Research square.

Killian JT, et al. (2025) Topography of the HLA-A protein enforces shared and convergent immunodominant B cell and antibody alloresponses in transplant recipients. Immunity, 58(12), 3040.

Nidadavolu LS, et al. (2025) Cardiovascular-Derived Circulating Cell-Free DNA Fragments Are Associated With Frailty and Increased Cardiovascular Events in Older Adults. The journals of gerontology. Series A, Biological sciences and medical sciences, 80(7).

Park J, et al. (2025) MYC plus class IIa HDAC inhibition drives mitochondrial dysfunction in non-small cell lung cancer. Cell reports, 44(6), 115722.

Jaiswal A, et al. (2025) Setdb2 Regulates Inflammatory Trigger-Induced Trained Immunity of Macrophages Through Two Different Epigenetic Mechanisms. bioRxiv : the preprint server for biology.

Hart WS, et al. (2024) Divergent transcriptomic signatures from putative mesenchymal stimuli in glioblastoma cells. Cancer gene therapy.