Resource Summary Report

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Enrichr

RRID:SCR_001575
Type: Tool

Proper Citation

Enrichr (RRID:SCR_001575)

Resource Information

URL: http://amp.pharm.mssm.edu/Enrichr/

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Description: A web-based gene list enrichment analysis tool that provides various types of visualization summaries of collective functions of gene lists. It includes new gene-set libraries, an alternative approach to rank enriched terms, and various interactive visualization approaches to display enrichment results using the JavaScript library, Data Driven Documents (D3). The software can also be embedded into any tool that performs gene list analysis. System-wide profiling of genes and proteins in mammalian cells produce lists of differentially expressed genes / proteins that need to be further analyzed for their collective functions in order to extract new knowledge. Once unbiased lists of genes or proteins are generated from such experiments, these lists are used as input for computing enrichment with existing lists created from prior knowledge organized into gene-set libraries.

Abbreviations: Enrichr

Resource Type: analysis service resource, data analysis service, production service resource, service resource, software application, software resource

Defining Citation: PMID:23586463

Keywords: bed, gene, software as a service, rna-seq, analyze, protein, function, gene list, visualization, bio.tools

Availability: Free, Freely available

Resource Name: Enrichr

Resource ID: SCR_001575

Alternate IDs: biotools:enrichr, SciRes_000171

Alternate URLs: https://bio.tools/enrichr

License: Open unspecified license

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260905T132436+0000

Ratings and Alerts

No rating or validation information has been found for Enrichr.

No alerts have been found for Enrichr.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5047 mentions in open access literature.

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

Matos VUS, et al. (2026) AAV-Driven miR-146a Promotes Neurite Outgrowth and Axonal Regeneration in Cortical Neurons. Journal of neurochemistry, 170(2), e70372.

Sato K, et al. (2026) Aberrant Hippo-YAP/TEAD Signaling Drives Malignant Transcriptional Reprogramming in External Auditory Canal Squamous Cell Carcinoma. Cancer research communications, 6(2), 260.

Voisin T, et al. (2026) Skin inflammation and itch response are independently regulated by distinct nociceptor subsets. Immunity, 59(5), 1237.

Flaherty RL, et al. (2026) LOX Inhibition Disrupts a Collagen-Integrin-MYC Axis to Suppress Progression of Invasive Lobular Carcinoma. Cancer research, 86(10), 2487.

Goupille L, et al. (2026) Targeting systemic and tumor metabolic balances with ketogenic diets enhance efficacy of therapy in FLT3-ITD acute myeloid leukemia. Cell reports, 45(4), 117185.

Arif M, et al. (2026) Integrative analysis of left ventricle and epicardial adipose tissue identifies SDHA and OGDH as candidate targets for ischemic heart disease. iScience, 29(7), 116370.

Wu N, et al. (2026) Arginine deprivation enhances ASS1-negative glioblastoma radiosensitivity via epigenetic silencing of DNA repair genes. Cell death & disease.

Shen F, et al. (2026) Capsule modulation enhances immunity and delays resistance in MDR Acinetobacter baumannii. iScience, 29(6), 115761.

Yoshida K, et al. (2026) DHODH regulates trophoblast fusion via IFITM-reduced plasma membrane fluidity: Implications for hypertensive disorders of pregnancy. iScience, 29(6), 116163.

Ziemia??ska M, et al. (2026) Risperidone regulates the expression of schizophrenia-related genes in the forebrain of adult male mice. Frontiers in molecular neuroscience, 19, 1844705.

Ratnawati H, et al. (2026) The ubiquitin-proteasome system is an important driver of EBV-associated nasopharyngeal carcinoma progression: a meta-analysis of transcriptomic data. Scientific reports, 16(1).

Hilgart E, et al. (2026) DNA Methylation Stochasticity Is Linked to Transcriptional Variability and Convergent Epigenetic Disruption across Genetic Subtypes of Acute Myeloid Leukemia. Cancer research, 86(13), 3325.

Li Z, et al. (2026) Gemcitabine plus Nivolumab with Carboplatin or Oxaliplatin in Cisplatin-Ineligible Patients with Metastatic Urothelial Carcinoma: A Randomized Phase II Trial. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(14), 2911.

Shi X, et al. (2026) Rapid expansion of primary human vocal fold epithelial cells via targeted pathway inhibition and anchorage-independent sphere culture. Cell reports methods, 6(3), 101310.

Beck CW, et al. (2026) Neurod2 knockdown in Xenopus laevis tadpole brain retains cells in a proliferating, progenitor-like state. microPublication biology, 2026.

Al-Ghazzawi K, et al. (2026) Matched sampling reveals uncoupled phenotypic plasticity during metastasis formation in uveal melanoma. iScience, 29(7), 116397.

Karmali N, et al. (2026) Single-cell RNA profiling of oligodendroglial lineage cells derived from iPSCs carrying Parkinson's disease-relevant LRRK2-G2019S mutation. iScience, 29(7), 116368.

Manoukian P, et al. (2026) Estrogen Production in Pancreatic Cancer Shapes a Tumor-Suppressive Stromal Microenvironment. Cancer research, 86(3), 571.

Pribyl LJ, et al. (2026) Persistent interferon signaling and clonal expansion mark early events in DNA methylation damage-induced liver cancer. NAR cancer, 8(2), zcag014.

Gibbons GM, et al. (2026) A human corticospinal organoid-slice connectoid model informs enhancer strategies for post-injury axon regrowth. Cell reports, 45(6), 117399.