

# Resource Summary Report

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## [msigdb](#)

RRID:SCR\_022870

Type: Tool

### Proper Citation

msigdb (RRID:SCR\_022870)

### Resource Information

**URL:** <https://cran.r-project.org/package=msigdb>

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**Description:** Software R package contains Molecular Signatures Database (MSigDB) gene sets for multiple organisms in tidy data format. Gene sets in standard R data frame with key value pairs. Package includes human genes as well as corresponding symbols and IDs for frequently studied model organisms such as mouse, rat, pig, fly, and yeast.

**Resource Type:** software toolkit, software resource

**Keywords:** Standard R data frame, human genes as listed in MSigDB, corresponding symbols and IDs

**Availability:** Free, Available for download, Freely available

**Resource Name:** msigdb

**Resource ID:** SCR\_022870

**Alternate URLs:** <https://igordot.github.io/msigdb/>

**License:** MIT license

**Record Creation Time:** 20221013T050144+0000

**Record Last Update:** 20260815T183008+0000

### Ratings and Alerts

No rating or validation information has been found for msigdb.

No alerts have been found for msigdb.

## Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Kasai T, et al. (2026) Impact of Variations in Commercial Standard Operating Procedure on Plasma Proteome Recovery. *Journal of proteome research*, 25(4), 1941.

Hernández-Martínez G, et al. (2026) Transcriptional and epigenetic regulation of Ca<sup>2+</sup>-signaling genes in hepatitis B-derived hepatocellular carcinoma and their association with the cancer hallmarks. *Bioinformatics advances*, 6(1), vbaf331.

Mitchell DK, et al. (2026) Inhibition of focal adhesion kinase impairs tumor formation and preserves hearing in a murine model of NF2-related schwannomatosis. *Science advances*, 12(5), eady8382.

Lasse Opsahl EL, et al. (2026) Fibroblast STAT3 Activation Drives Organ-Specific Premetastatic Niche Formation. *Cancer research*, 86(1), 22.

Avolio M, et al. (2026) The Molecular and Functional Landscape of Resistance to FOLFIRI Chemotherapy in Metastatic Colorectal Cancer. *Cancer discovery*, 16(2), 270.

De Dominici M, et al. (2026) Hematopoietic stem cell aging promotes TET2 clonal hematopoiesis. *Research square*.

Chaves GS, et al. (2026) Hypoxia Promotes an Adrenergic to Mesenchymal Transcriptional Program Transition in Neuroblastoma. *Clinical and translational science*, 19(3), e70508.

Stoiber S, et al. (2026) [18F]FDG PET/CT multiomics identifies Hedgehog-driven HPV-negative head and neck squamous cell carcinoma. *Molecular cancer*, 25(1).

Hong Y, et al. (2026) Ex vivo and in vivo CRISPR/Cas9 screenings identify the roles of protein N-glycosylation in regulating T-cell activation and functions. *eLife*, 14.

Citron F, et al. (2026) DPY30 Is an Epigenetic Decoupler Linking Replication Stress to Immunoediting in Pancreatic Cancer. *Cancer research*, 86(12), 2837.

Goala P, et al. (2026) IFN- $\gamma$ -driven skewing towards Th1 over Th17 differentiation underlies CRS and neutropenia in CAR-T therapy. *The Journal of clinical investigation*, 136(1).

Liu XZ, et al. (2026) Targeting the Lipid Metabolism Proteins FASN and GPAM in Alveolar Type II Cells Decreases Lung Metastasis. *Cancer discovery*, 16(7), 1412.

Nacer DF, et al. (2026) Multiomics assessment of lung adenocarcinoma subtypes defined through tumor purity-adjusted DNA methylation. *Genome medicine*, 18(1).

Chen F, et al. (2026) CCL3+ Neutrophil Signature Predicts Response to Neoadjuvant Toripalimab plus Chemotherapy in Patients with Hypopharyngeal Squamous Cell Carcinoma: A Phase II Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(11), 2166.

Kirschstein E, et al. (2026) Myofibroblast programming blocks differentiation of TLS-organizing fibroblastic reticular cells in pancreatic cancer. *Cancer cell*, 44(5), 1080.

Tang E, et al. (2026) Low-Strength Type I Interferon Signaling Promotes CAR T-cell Treatment Efficacy. *Cancer immunology research*, 14(8), 1292.

Zhou L, et al. (2026) p21-Positive Senescent Stromal Cells Promote Prostate Cancer Immune Suppression and Progression That Can Be Reversed by Senolytic Therapy. *Cancer discovery*, 16(3), 571.

Menezes-Silva L, et al. (2026) Hormonal rewiring of immunity during dietary restriction ensures host defense and systemic glucose conservation. *Immunity*, 59(3), 700.

Petrova V, et al. (2026) A human iPSC-derived sensory neuron platform for high-throughput discovery of neuroprotectants against chemotherapy-induced peripheral neuropathy. *Cell reports. Medicine*, 7(5), 102787.

Apostolov E, et al. (2026) Single-Cell and Spatial Transcriptomic Profiling Reveals Epithelial Functional States and Fibroblast Phenotypes in Hormone Therapy-Naïve Localized Prostate Cancer. *Cancer research*, 86(8), 1836.