

Resource Summary Report

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gProfiler2

RRID:SCR_018190

Type: Tool

Proper Citation

gProfiler2 (RRID:SCR_018190)

Resource Information

URL: <https://biit.cs.ut.ee/gprofiler/page/r>

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Description: Software R interface to g:Profiler. Uses publicly available APIs of g:Profiler web tool which ensures that results from all of interfaces are consistent. Used for gene list functional enrichment analysis and namespace conversion. gprofiler2 package supports all the same organisms, namespaces and data sources as the web tool.

Synonyms: gprofiler2

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:31066453](#)

Keywords: Gene list, functional enrichment analysis, namespace conversion, data, analysis

Funding: Estonian Research Council grants ;
European Regional Development Fund for CoE of Estonian ICT research EXCITE projects

Availability: Free, Available for download, Freely available

Resource Name: gProfiler2

Resource ID: SCR_018190

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260821T194142+0000

Ratings and Alerts

No rating or validation information has been found for gProfiler2.

No alerts have been found for gProfiler2.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 63 mentions in open access literature.

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

Ye YM, et al. (2026) Distinct Serum MicroRNA Signatures and mRNA Decay Pathway Dysregulation in NSAID-Exacerbated Chronic Urticaria. International journal of molecular sciences, 27(2).

Radulovich N, et al. (2026) Preclinical Combination Targeting VEGF and PI3K in a Rare, Aggressive Mixed Endometrial Carcinoma: An Applied Case Report. Cancer research communications, 6(4), 832.

Herrle N, et al. (2026) The transaminase-?-amidase pathway senses oxidative stress to control glutamine metabolism and ?-ketoglutarate levels in endothelial cells. The EMBO journal, 45(3), 820.

Strey K, et al. (2026) Computational identification of novel therapeutic candidates for Streptococcus pyogenes and influenza A coinfections through transcriptomic-based drug repositioning. BMC microbiology, 26(1).

Shastri A, et al. (2026) Confidence: a web app for cross-platform differential gene expression analysis, gene scoring, and enrichment analysis. Scientific reports, 16(1).

Marquardt A, et al. (2026) Transcriptome and metabolome insights into closely related upland cotton (Gossypium hirsutum) genotypes during differing responses to progressive soil drying. BMC plant biology, 26(1).

Zeng PYF, et al. (2026) Understanding and overcoming innate and acquired MAPK inhibition resistance in anaplastic thyroid cancer. Cell reports. Medicine, 7(6), 102820.

Alsina M, et al. (2026) Anti-B-cell Maturation Antigen Chimeric Antigen Receptor T-cell Therapy bb21217 for Relapsed and Refractory Multiple Myeloma: Results from the Phase I CRB-402 Study. Cancer immunology research, 14(4), 528.

Jeng AC, et al. (2026) Elevated zygotiC let-7f-5p alters developmental trajectories and sex-specific somatic growth. iScience, 29(6), 116115.

Dordevic N, et al. (2025) Extensive modulation of the circulating blood proteome by hormonal contraceptive use across two population studies. Communications medicine, 5(1), 131.

Graham AC, et al. (2025) Human longevity and Alzheimer's disease variants act via microglia and oligodendrocyte gene networks. *Brain : a journal of neurology*, 148(3), 969.

Lin RJ, et al. (2025) Cohort-level clinical trajectory and molecular landscape of idiopathic subglottic stenosis for precision laryngology-a study of the Canadian Airways Research (CARE) group. *EBioMedicine*, 114, 105629.

Yim KM, et al. (2025) Cell-type-specific dysregulation of gene expression due to Chd8 haploinsufficiency during mouse cortical development. *Cell genomics*, 100986.

Pellegrin C, et al. (2025) The SUBventral-Gland Regulator (SUGR-1) of nematode virulence. *Proceedings of the National Academy of Sciences of the United States of America*, 122(11), e2415861122.

Gao Y, et al. (2025) Continuous cell-type diversification in mouse visual cortex development. *Nature*, 647(8088), 127.

Conte C, et al. (2025) Sphingomyelin regulates the transcriptional machinery in nuclear lipid microdomains. *Communications biology*, 8(1), 1303.

Littler S, et al. (2025) Targeting SUMOylation in ovarian cancer: Sensitivity, resistance, and the role of MYC. *iScience*, 28(6), 112555.

Piron A, et al. (2025) Identification of novel type 1 and type 2 diabetes genes by co-localization of human islet eQTL and GWAS variants with colocRedRibbon. *Cell genomics*, 101004.

Migliaccio G, et al. (2024) Methylation and transcriptomic profiling reveals short term and long term regulatory responses in polarized macrophages. *Computational and structural biotechnology journal*, 25, 143.

Puvogel S, et al. (2024) Single-Nucleus RNA-Seq Characterizes the Cell Types Along the Neuronal Lineage in the Adult Human Subependymal Zone and Reveals Reduced Oligodendrocyte Progenitor Abundance with Age. *eNeuro*, 11(3).