

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 12, 2026

[g:Profiler](#)

RRID:SCR_006809

Type: Tool

Proper Citation

g:Profiler (RRID:SCR_006809)

Resource Information

URL: <http://biit.cs.ut.ee/gprofiler/>

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Description: Web server for functional enrichment analysis and conversions of gene lists. Web based tool for functional profiling of gene lists from large scale experiments. Has web interface with powerful visualization. Used for analyzing data from any organism.

Synonyms: G:Profiler, g:profiler, gProfiler

Resource Type: analysis service resource, data access protocol, data analysis service, production service resource, service resource, software resource, web service

Defining Citation: [PMID:21646343](#), [PMID:17478515](#), [PMID:31066453](#)

Keywords: gene, high-throughput, genomics, visualization, statistical analysis, slimmer-type tool, term enrichment, protein interaction, functional similarity, analysis, coexpression, gene id, network enrichment analysis, orthology mapping, genomic locus, ontology or annotation visualization, other analysis, ortholog, functional profile, gene list, ontology, pathway, transcription factor, microRNA, regulatory motif, protein-protein interaction, biomolecule, gene expression, gene, homology, single nucleotide polymorphism, DNA polymorphism, chromosome, network analysis, disease gene, r

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

Availability: Free, Freely available

Resource Name: g:Profiler

Resource ID: SCR_006809

Alternate IDs: OMICS_02223, nif-0000-31975

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260912T195646+0000

Ratings and Alerts

No rating or validation information has been found for g:Profiler.

No alerts have been found for g:Profiler.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2310 mentions in open access literature.

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

Mariancini A, et al. (2026) IL1R2 Deficiency Unleashes Neutrophil-Mediated Antitumor Potential in Sarcoma. *Cancer immunology research*, 14(5), 751.

Altendorf L, et al. (2026) Molecular changes during AT/RT progression associated with epithelial-mesenchymal transition and extracellular matrix changes. *Acta neuropathologica*, 152(1).

Gou X, et al. (2026) Identification of a Two-Gene Biomarker Correlated with Sensitivity to Combined PARP7 Inhibition and AHR Activation in Cancer Cells. *Cancer research communications*, 6(1), 5.

Reyer H, et al. (2026) Digestibility and transcriptomic profiling of kidney, pancreas, follicle, and uterus in laying hens supplemented with phytogenic feed additive. *Poultry science*, 105(2), 106219.

Gromadziński L, et al. (2026) Unveiling the molecular impact of pulmonary embolism on the right ventricle: a multi-layer transcriptomic study in a porcine model. *Molecular and cellular biochemistry*, 481(1), 509.

Chang Y, et al. (2026) NDST3-Induced Epigenetic Reprogramming Reverses Neurodegeneration in Parkinson's Disease. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(14), e07323.

Sarihan M, et al. (2026) Proximity Mapping of the ER Proteome Reveals Metastasis-specific Candidate Biomarkers in Breast Cancer Cell Lines. *Cancer genomics & proteomics*, 23(3), 483.

Yang-Fischer R, et al. (2026) The long noncoding RNA lnc13 restrains inflammatory responses to maintain oral tolerance to gluten. *Nature immunology*, 27(6), 1145.

Son S, et al. (2026) Amyloid- β aggregates induce vasculopathy via ferroptosis in brain endothelial cells. *Brain pathology* (Zurich, Switzerland), 36(4), e70074.

Beale AD, et al. (2026) A cellular basis for the mammalian nocturnal-diurnal switch. *Science* (New York, N.Y.), 391(6788), eady2822.

Piskova T, et al. (2026) Cell loss disrupts mechanical homeostasis to drive retinal pigment epithelium ageing-like phenotype in vitro. *Nature communications*, 17(1).

Bandaru R, et al. (2026) Genome-Wide Variations of End Motif in Cell-Free DNA Fragments Distinguish Immunotherapy Responders from Non-Responders in Head and Neck Cancer: A Multi-Institute Prospective Study. *medRxiv : the preprint server for health sciences*.

Seibert M, et al. (2026) Endogenous protein tagging coupled with a CRISPR screening approach identifies UBE3C as a potential MYC oncogene regulator. *Scientific reports*, 16(1).

Jiang H, et al. (2026) SenSeqNet: A Deep Learning Framework for Cellular Senescence Detection From Protein Sequences. *Aging cell*, 25(1), e70344.

Daniel MM, et al. (2026) Integrative Bioinformatics Reveals Novel Molecular Mechanisms and Therapeutic Targets in Acute Myeloid Leukaemia. *Journal of cellular and molecular medicine*, 30(1), e71007.

Castro E Silva JH, et al. (2026) The GPR17 agonist galinex restores oligodendrocyte maturation under inflammatory conditions. *Frontiers in pharmacology*, 17, 1838997.

Rodrigues R, et al. (2026) An Exploratory In Silico Analysis of Chlamydia trachomatis-Induced Inflammatory, Interferon, and ECM Transcriptional Programs and Their Translational Context in TCGA Ovarian Cancer. *Cancers*, 18(12).

Litz B, et al. (2026) Persistent foot-and-mouth disease virus infection of the bovine nasopharynx is associated with suppression of innate and cellular immunity. *PloS one*, 21(1), e0340425.

Aksu R, et al. (2026) Unravelling Synaptic and Metabolic Mechanisms of Cognitive Resilience in Asymptomatic Alzheimer's Disease Across Two Alzheimer's Disease Cohorts. *Cellular and molecular neurobiology*, 46(1).

Santos JLA, et al. (2026) CCorGsDB: a database for clock correlated genes in the mouse and human central nervous systems. *Npj biological timing and sleep*, 3(1).