

Resource Summary Report

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BioGPS: The Gene Portal Hub

RRID:SCR_006433

Type: Tool

Proper Citation

BioGPS: The Gene Portal Hub (RRID:SCR_006433)

Resource Information

URL: <http://biogps.org/>

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Description: An extensible and customizable gene annotation portal that emphasizes community extensibility and user customizability. It is a complete resource for learning about gene and protein function. Community extensibility reflects a belief that any BioGPS user should be able to add new content to BioGPS using the simple plugin interface, completely independently of the core developer team. User customizability recognizes that not all users are interested in the same set of gene annotation data, so the gene report layouts enable each user to define the information that is most relevant to them. Currently, BioGPS supports eight species: Human (*Homo sapiens*), Mouse (*Mus musculus*), Rat (*Rattus norvegicus*), Fruitfly (*Drosophila melanogaster*), Nematode (*Caenorhabditis elegans*), Zebrafish (*Danio rerio*), Thale-cress (*Arabidopsis thaliana*), Frog (*Xenopus tropicalis*), and Pig (*Sus scrofa*). BioGPS presents data in an ortholog-centric format, which allows users to display mouse plugins next to human ones. Our data for defining orthologs comes from NCBI's HomoloGene database.

Abbreviations: BioGPS

Resource Type: database, data or information resource

Defining Citation: [PMID:19919682](#)

Keywords: gene, ortholog, plug-in, report, literature, genetics, expression, reagent, protein, pathway, snp, genomics, gene annotation, function, FASEB list

Funding: Novartis Research Foundation ;
NIGMS R01GM083924

Availability: Free, The community can contribute to this resource

Resource Name: BioGPS: The Gene Portal Hub

Resource ID: SCR_006433

Alternate IDs: r3d100012402, nif-0000-10168

Alternate URLs: <http://biogps.gnf.org/>, <https://doi.org/10.17616/R33J20>

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260725T191141+0000

Ratings and Alerts

No rating or validation information has been found for BioGPS: The Gene Portal Hub.

No alerts have been found for BioGPS: The Gene Portal Hub.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 725 mentions in open access literature.

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

Tam H, et al. (2026) Splenic cDC1 efferocytosis and cross-presentation to CD8 T cells are promoted by GPR34 and lysophosphatidylserine. The Journal of experimental medicine, 223(1).

Fischer MC, et al. (2026) Splicing and frameshift variants in QSER1 may be involved in developmental phenotypes. HGG advances, 7(1), 100539.

Li H, et al. (2025) Glutamatergic CYLD deletion leads to aberrant excitatory activity in the basolateral amygdala: association with enhanced cued fear expression. Neural regeneration research, 20(11), 3259.

Whiley PJ, et al. (2025) Transcriptomic signatures of host immune responses in aphthous ulcers, the earliest lesions of Crohn's disease, suggest that bacterial uptake, rather than global dysbiosis, is the initiating factor. Immunology and cell biology, 103(5), 473.

Domschke K, et al. (2025) Epigenetic markers of disease risk and psychotherapy response in anxiety disorders -??a longitudinal analysis of the DNA methylome. Molecular psychiatry, 30(10), 4529.

Melaiu O, et al. (2025) Mapping B cells and the immune landscape of tertiary lymphoid structures reveals their clinical impact in neuroblastoma. Journal for immunotherapy of cancer, 13(11).

Qin R, et al. (2025) Comprehensive analysis of KLHL35 expression and its prognostic value in cancer: implications for colorectal cancer diagnosis and therapy. *Discover oncology*, 16(1), 1921.

Fan J, et al. (2025) Analysis of molecular mechanism of Chinese medicine Jinhong decoction (JHD) in synergistically treating sepsis and COVID-19 based on network pharmacology. *PloS one*, 20(12), e0339457.

Na Z, et al. (2025) Research on biliary atresia and epigenetic factors from the perspective of transcriptomics: identification of key genes and experimental validation. *Frontiers in pediatrics*, 13, 1624671.

Lv W, et al. (2025) SLC38A1 and STX11 are mitochondria-related biomarkers associated with immune infiltration in osteoarthritis. *Frontiers in genetics*, 16, 1585775.

Saika F, et al. (2025) Male-Dominant Spinal Microglia Contribute to Neuropathic Pain by Producing CC-Chemokine Ligand 4 Following Peripheral Nerve Injury. *Cells*, 14(7).

Liu Y, et al. (2025) Identification of Coagulation and Fibrinolysis-Associated Biomarkers With Implications for Preeclampsia. *Genetics research*, 2025, 6637484.

Jin H, et al. (2025) Network Pharmacology and In Vivo Experimental Verification of the Mechanism of the Qing'e Pill for Treating Intervertebral Disc Degeneration. *Current computer-aided drug design*, 21(4), 534.

Baheti W, et al. (2025) Identification of core genes related to exosomes and screening of potential targets in periodontitis using transcriptome profiling at the single-cell level. *BMC oral health*, 25(1), 28.

Chakraborty A, et al. (2025) Identification of ABHD6 as a lysophosphatidylserine lipase in the mammalian liver and kidneys. *The Journal of biological chemistry*, 301(2), 108157.

Yin D, et al. (2025) GLP-1 receptor agonists show no detrimental effect on sperm quality in mouse models and cell lines. *Endocrine*, 89(2), 614.

Chen Q, et al. (2025) Transcriptomics-based exploration of ubiquitination-related biomarkers and potential molecular mechanisms in laryngeal squamous cell carcinoma. *BMC medical genomics*, 18(1), 84.

Ling D, et al. (2025) Compound Heterozygous Loss-of-Function Variants in CCM2L in a Fetus With Tetralogy of Fallot. *Molecular genetics & genomic medicine*, 13(6), e70117.

Almozyan S, et al. (2025) Wnt/GSK-3 β mediates posttranslational modifications of FLYWCH1 to regulate intestinal epithelial function and tumorigenesis in the colon. *Cancer communications (London, England)*, 45(1), 9.

Duan S, et al. (2025) Non-invasive imaging with ICOS-targeting monoclonal antibody for preclinical diagnosis of rheumatoid arthritis in a humanized mouse model. *Journal of translational medicine*, 23(1), 150.