

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: data or information resource, database

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: 20260829T182947+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 814 mentions in open access literature.

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

Zhao X, et al. (2026) Leveraging PANoptosis-associated genes for unraveling implication of decidualization deficiency in pre-eclampsia via transcriptome data and experiment validation. *Frontiers in cell and developmental biology*, 14, 1677798.

Duan M, et al. (2026) Microenvironmental stiffness directs microtubule perturbation in chondrocyte mitosis via ILK-refilinB/Smad3 axis. *Bone research*, 14(1), 15.

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

Filocamo G, et al. (2026) Targeting Colorectal Cancer Stem Cells Through Inhibition of the Fibroblast Growth Factor Receptor 4 Pathway with a Novel Antibody. *Cancers*, 18(3).

Bolognesi MM, et al. (2026) The normal human lymph node cell classification and landscape defined by high-dimensional spatial proteomics. *PloS one*, 21(4), e0346693.

Shah M, et al. (2026) Computational validation and network pharmacology reveal the cardioprotective and hypolipidemic potential of *Arisaema Jacquemontii* Blume via molecular docking, metadynamics, DFT, and MM/PBSA analyses. *Frontiers in bioinformatics*, 6, 1856040.

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).

Tian M, et al. (2026) Ginseng-mulberry (medicine-food homologous) pair mitigates cadmium-induced anxiety: a clinical proteomics-guided network pharmacology with rat validation. *Frontiers in psychiatry*, 17, 1792233.

Mestareehi A, et al. (2026) Integrated Global Phosphoproteomic, Bioinformatic, and Machine Learning Analysis Reveals Regulatory Networks of TOP1, TOP2A, TOP2B, and C1orf35 in Hepatocellular Carcinoma (HCC). *Oncology research*, 34(5), 18.

Kim JM, et al. (2026) Zfp462 Is a Key Mediator of Osteoblast Differentiation and Might Contribute to Age-Related Bone Loss. *Aging cell*, 25(4), e70476.

Wang X, et al. (2026) Pan-cancer analysis reveals HDAC1 as a key regulator of immune infiltration and T cell exhaustion. *Discover oncology*, 17(1).

Narisawa S, et al. (2026) ENPP1 inhibition as a therapeutic approach for later-onset hypophosphatasia. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 41(3), 310.

Bhardwaj S, et al. (2026) MGMT upregulation mediates Temozolomide resistance conferred USP5 dependency. *Scientific reports*, 16(1), 6118.

Baris S, et al. (2026) Biallelic Truncating DNAH14 Variant in Siblings with Neurodevelopmental Disorder and Predominant Ataxia: Clinical Report and Literature Review. *International journal of molecular sciences*, 27(2).

Liu J, et al. (2026) Zinc finger protein Y - linked as a potential biomarker for autoimmune hepatitis and multiple sclerosis which overlap with immune infiltration. *Scientific reports*, 16(1).

Lin Z, et al. (2026) Pan-cancer analysis and experimental validation identify CYP19A1 as a prognostic biomarker and oncogenic driver associated with tumor immune microenvironment regulation in gastrointestinal cancers. *Discover oncology*, 17(1).

Carosati E, et al. (2026) Thyme, Oregano, and Cinnamon Essential Oils: Investigating Their Molecular Mechanism of Action for the Treatment of Bacteria-Induced Cystitis. *ACS omega*, 11(6), 9757.

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.

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.