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: nif-0000-10168

Alternate URLs: http://biogps.gnf.org/

Record Creation Time: 20220129T080236+0000

Record Last Update: 20250412T055053+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 683 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

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

Monteiro-Cardoso VF, et al. (2025) The bile acid chenodeoxycholic acid associates with reduced stroke in humans and mice. Journal of lipid research, 66(1), 100712.

Sundararajan R, et al. (2025) Loss of correlated proteasomal subunit expression selectively promotes the 20SHigh state which underlies luminal breast tumorigenicity. Communications

biology, 8(1), 55.

Zheng Y, et al. (2025) CMPK2 promotes NLRP3 inflammasome activation via mtDNA-STING pathway in house dust mite-induced allergic rhinitis. Clinical and translational medicine, 15(1), e70180.

Summers KM, et al. (2024) Genetic models of fibrillinopathies. Genetics, 226(1).

Wei L, et al. (2024) Network pharmacology and experimental validation to study the potential mechanism of Tongguanteng injection in regulating apoptosis in osteosarcoma. BMC complementary medicine and therapies, 24(1), 67.

Han J, et al. (2024) TSPO deficiency exacerbates acute lung injury via NLRP3 inflammasome-mediated pyroptosis. Chinese medical journal, 137(13), 1592.

Said AAE, et al. (2024) Bioassay-guided isolation and in Silico characterization of cytotoxic compounds from Hemimycale sp. Sponge targeting A549 lung cancer cells. BMC chemistry, 18(1), 213.

Chen LY, et al. (2024) RNA-binding protein YBX3 promotes PPAR?-SLC3A2 mediated BCAA metabolism fueling brown adipogenesis and thermogenesis. Molecular metabolism, 90, 102053.

Zhou D, et al. (2024) Network pharmacology combined with Mendelian randomization analysis to identify the key targets of renin-angiotensin-aldosterone system inhibitors in the treatment of diabetic nephropathy. Frontiers in endocrinology, 15, 1354950.

Liu S, et al. (2024) Big data analytics for MerTK genomics reveals its double-edged sword functions in human diseases. Redox biology, 70, 103061.

Jo-Watanabe A, et al. (2024) Bicarbonate signalling via G protein-coupled receptor regulates ischaemia-reperfusion injury. Nature communications, 15(1), 1530.

Vahle JL, et al. (2024) ICH S1 prospective evaluation study and weight of evidence assessments: commentary from industry representatives. Frontiers in toxicology, 6, 1377990.

Venkatraman R, et al. (2024) IKK? induces STING non-IFN immune responses via a mechanism analogous to TBK1. iScience, 27(9), 110693.

Hu F, et al. (2024) Exploring the molecular mechanism of Xuebifang in the treatment of diabetic peripheral neuropathy based on bioinformatics and network pharmacology. Frontiers in endocrinology, 15, 1275816.

Garamszegi SP, et al. (2024) TDP-43 and Alzheimer's Disease Pathology in the Brain of a Harbor Porpoise Exposed to the Cyanobacterial Toxin BMAA. Toxins, 16(1).

Alexander KA, et al. (2024) A glucocorticoid spike derails muscle repair to heterotopic ossification after spinal cord injury. Cell reports. Medicine, 5(12), 101849.

Fan R, et al. (2024) KHDRBS1 as a novel prognostic signaling biomarker influencing hepatocellular carcinoma cell proliferation, migration, immune microenvironment, and drug sensitivity. Frontiers in immunology, 15, 1393801.

Wu H, et al. (2024) Potential therapeutic targets for pelvic organ prolapse: insights from key genes related to blood vessel development. Frontiers in medicine, 11, 1435135.