Resource Summary Report

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Pathview

RRID:SCR_002732
Type: Tool

Proper Citation

Pathview (RRID:SCR_002732)

Resource Information

URL: http://www.bioconductor.org/packages/release/bioc/html/pathview.html

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Description: A tool set for pathway-based data integration and visualization. It maps and renders a wide variety of biological data on relevant pathway graphs. All users need is to supply their data and specify the target pathway. Pathview automatically downloads the pathway graph data, parses the data file, maps user data to the pathway, and render pathway graph with the mapped data. In addition, Pathview also seamlessly integrates with pathway and gene set (enrichment) analysis tools for large-scale and fully automated analysis.

Synonyms: path view

Resource Type: software resource

Defining Citation: PMID:23740750

Keywords: software package, r, differential expression, gene expression, gene set enrichment, genetics, graph, network, metabolomics, microarray, pathway, proteomics, rna-seq, sequencing, systems biology, visualization, bio.tools

Availability: Free, Freely available, Available for download

Resource Name: Pathview

Resource ID: SCR_002732

Alternate IDs: biotools:pathview, OMICS_05212

Alternate URLs: http://pathview.r-forge.r-project.org/, https://bio.tools/pathview

License: GNU General Public License, v3 or greater

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Ratings and Alerts

No rating or validation information has been found for Pathview.

No alerts have been found for Pathview.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 520 mentions in open access literature.

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

Zacharias NM, et al. (2025) Differential Efficacy of Bevacizumab and Erlotinib in Preclinical Models of Renal Medullary Carcinoma and Fumarate Hydratase-Deficient Renal Cell Carcinoma. Molecular cancer therapeutics.

Sarkar B, et al. (2025) PPAR? mediated enhanced lipid biogenesis fuels Mycobacterium tuberculosis growth in a drug-tolerant hepatocyte environment. eLife, 14.

Jones V, et al. (2025) Gene expression associated with endocrine therapy resistance in estrogen receptor-positive breast cancer. Scientific reports, 15(1), 7220.

Liu X, et al. (2025) Transcriptomic Insights into Dual Temperature-Salinity Stress Response in "Shuike No. 1", a Pioneering Rainbow Trout Strain Bred in China. Biology, 14(1).

Lim B, et al. (2025) Cell deconvolution-based integrated time-series network of whole blood transcriptome reveals systemic antiviral activities and cell-specific immunological changes against PRRSV infection. Veterinary research, 56(1), 19.

Hao Y, et al. (2025) Identification and validation of mitophagy-related genes in acute myocardial infarction and ischemic cardiomyopathy and study of immune mechanisms across different risk groups. Frontiers in immunology, 16, 1486961.

Sakai SA, et al. (2025) Mathematical Modeling Predicts Optimal Immune Checkpoint Inhibitor and Radiotherapy Combinations and Timing of Administration. Cancer immunology research, 13(3), 353.

Dubey SK, et al. (2025) Deciphering age-related transcriptomic changes in the mouse retinal pigment epithelium. Aging, 17(3), 657.

Li H, et al. (2025) Development of xanthone derivatives as effective broad-spectrum antimicrobials: Disrupting cell wall and inhibiting DNA synthesis. Science advances, 11(10), eadt4723.

Shimizu Y, et al. (2025) Dysregulated metabolic pathways of pulmonary fibrosis and the lipids associated with the effects of nintedanib therapy. Respiratory research, 26(1), 166.

Bremer J, et al. (2025) Mutual reinforcement of lymphotoxin-driven myositis and impaired autophagy in murine muscle. Brain : a journal of neurology, 148(12), 4461.

Onishi T, et al. (2025) The PERK-p38 MAPK Axis Drives Endoplasmic Reticulum Stress-Induced Apoptosis in Fuchs Endothelial Corneal Dystrophy. Investigative ophthalmology & visual science, 66(11), 63.

Becker AMD, et al. (2025) Proteome and Secretome Profiling of the Melanoma-Induced Transition Toward Immune Incompetent Dendritic Cells Reveals Enhanced IDO1, Cathepsin, and Legumain Activity. Molecular & cellular proteomics : MCP, 24(9), 101048.

Pienkowski T, et al. (2025) Proteomic profiling reveals dynamic regulation of vesicle trafficking across glioma grades. Journal of neuro-oncology, 175(2), 585.

Wang X, et al. (2025) Explanation of the potential mechanism of Sophora flavescens Ait and processed products treating ulcerative colitis based on the analysis method of "chemical composition characterization-target prediction". RSC advances, 15(15), 11354.

Szabó A, et al. (2025) Liver Lipidomics, Histology, Transcriptomics, and Clinical Chemistry of Rats Intraperitoneally Treated with Fumonisin B1 for 5 days. Journal of agricultural and food chemistry, 73(39), 24975.

Adams JA, et al. (2025) Targeting hepatocyte-specific SLC2A8 blocks hepatic steatosis and dissociates TCA cycle flux inhibition from glutamine anaplerosis. Hepatology communications, 9(10).

Holmlund I, et al. (2025) Effect of eicosapentaenoic acid on innate immune responses in Atlantic salmon cells infected with infectious salmon anemia virus. Virology journal, 22(1), 5.

Wen D, et al. (2025) Screening of necroptosis-related genes and evaluating the prognostic capacity, clinical value, and the effect of their copy number variations in acute myeloid leukemia. BMC cancer, 25(1), 71.

Gao X, et al. (2025) TFAP2A-regulated CRNDE enhances colon cancer progression and chemoresistance via RIPK3 interaction. Functional & integrative genomics, 25(1), 36.