

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 569 mentions in open access literature.

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

He P, et al. (2027) Key molecular networks underlying retinol's biphasic effects on cell proliferation through multi-omics integrative analysis using genome-scale metabolic modeling. Synthetic and systems biotechnology, 15, 43.

Elizondo G, et al. (2026) Acute arrhythmias in a long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency mouse model. American journal of physiology. Heart and circulatory physiology, 330(2), H484.

Yogo A, et al. (2026) Spatial Transcriptomics Reveals Location-Specific Tumor Cell Subtypes and Signaling within Multifocal Small Intestinal Neuroendocrine Tumors. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(10), 2098.

Ottaviani L, et al. (2026) Overexpression of the maize 9-lipoxygenase gene LOX4 confers resistance to Fusarium verticillioides via the oxylipin- and jasmonic acid-mediated pathways. Journal of experimental botany, 77(2), 668.

Lövenich L, et al. (2026) Cyclic stretch induces autophagy-mediated focal adhesion remodeling and activates mitochondria. Life science alliance, 9(4).

Gomes SIL, et al. (2026) The use of new approach methodologies (high-throughput transcriptomics) to study nanoagrochemicals: mechanisms of toxicity of a commercial copper oxychloride to soil model invertebrates (Enchytraeus crypticus). Archives of toxicology, 100(5), 1825.

Chianese U, et al. (2026) Glycolytic heterogeneity drives metabolic-targeted therapy in pancreatic ductal adenocarcinoma. Signal transduction and targeted therapy, 11(1), 25.

Porter D, et al. (2026) N1M?U-modified mRNA vaccines break the mold in fish by enhancing innate immune activation. Molecular therapy. Nucleic acids, 37(1), 102862.

Wu S, et al. (2026) A study on the mechanism of Buyang Huanwu Decoction in treating epilepsy by regulating adenosine levels. *Scientific reports*, 16(1).

Stingel RL, et al. (2026) Proteomic analysis reveals shared biological pathways linking acrolein to biomolecular changes in the acute phase of rat spinal cord injury. *bioRxiv : the preprint server for biology*.

Chiu YL, et al. (2026) Elucidating the vasoprotective mechanism of Tetrahydrocurcumin: from unbiased transcriptomic discovery to targeted validation of the PI3K/AKT pathway. *BMC complementary medicine and therapies*, 26(1).

Szwec S, et al. (2026) Dystrophins DP71 and DP427 determine cell viability during proliferation and myofibre differentiation. *Cell death & disease*, 17(1).

Purayil GP, et al. (2026) Time-resolved transcriptome analysis reveals molecular signatures of *Fusarium proliferatum* DSM106835-induced sudden decline syndrome in date palm (*Phoenix dactylifera* L.). *Journal of experimental botany*, 77(6), 1676.

McCallion A, et al. (2026) Contributions of T-helper 9 cells in endometriosis-associated inflammation and lesion growth. *Journal of immunology (Baltimore, Md. : 1950)*, 215(5).

Chang Q, et al. (2026) *Lactiplantibacillus plantarum* GUANKE alleviates Zearalenone-induced intestinal dysfunction by modulating oxidative stress and inflammation. *PloS one*, 21(7), e0351300.

Qin S, et al. (2026) scGeneBank: cross-species screening of functional gene sets at single-cell resolution. *Nucleic acids research*, 54(D1), D1251.

Yoo YH, et al. (2026) Unravelling mechanisms of drought tolerance in a soybean cultivar (Daewonkong roots): insights into integrative transcriptomic and metabolite analyses. *BMC plant biology*, 26(1), 274.

Muñoz-Hisado V, et al. (2026) Microbial communities and biomineralization potential within mountain permafrost of the Devaux ice cave in the Central Pyrenees. *Scientific reports*, 16(1), 6232.

Elkhodiry AA, et al. (2026) Disruption of neutrophil homeostasis is associated with functional alterations in mitochondria of critically ill COVID-19 patients. *Scientific reports*, 16(1).

Alsolami S, et al. (2026) A single small molecule-based human embryo model reveals V-ATPase requirement in mammalian blastocyst cavitation. *Cell research*, 36(7), 475.