

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## ReactomePA

RRID:SCR\_019316

Type: Tool

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### Proper Citation

ReactomePA (RRID:SCR\_019316)

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### Resource Information

**URL:** <https://bioconductor.org/packages/ReactomePA/>

**Proper Citation:** ReactomePA (RRID:SCR\_019316)

**Description:** Software R package provides functions for pathway analysis based on REACTOME pathway database. It implements enrichment analysis, gene set enrichment analysis and several functions for visualization.

**Synonyms:** Reactome Pathway Analysis

**Resource Type:** data processing software, data analysis software, data visualization software, software resource, software application

**Defining Citation:** [PMID:26661513](#)

**Keywords:** pathway analysis, REACTOME pathway, REACTOME database, enrichment analysis, gene set enrichment analysis, bio.tools

**Availability:** Free, Available for download, Freely available

**Resource Name:** ReactomePA

**Resource ID:** SCR\_019316

**Alternate IDs:** biotools:reactomepa

**Alternate URLs:** <https://bio.tools/reactomepa>

**License:** GPL v2

**Record Creation Time:** 20220129T080344+0000

**Record Last Update:** 20260731T043046+0000

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### Ratings and Alerts

No rating or validation information has been found for ReactomePA.

No alerts have been found for ReactomePA.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 76 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#).

Fusco L, et al. (2025) Nanoplastics: Immune Impact, Detection, and Internalization after Human Blood Exposure by Single-Cell Mass Cytometry. *Advanced materials* (Deerfield Beach, Fla.), 37(12), e2413413.

An DW, et al. (2025) Urinary Proteomics and Systems Biology Link Eight Proteins to the Higher Risk of Hypertension and Related Complications in Blacks Versus Whites. *Proteomics*, 25(11-12), e202400207.

Cumming J, et al. (2025) Dissecting FAP+ Cell Diversity in Pancreatic Cancer Uncovers an Interferon-Response Subtype of Cancer-Associated Fibroblasts with Tumor-Restraining Properties. *Cancer research*, 85(13), 2388.

Cruz L, et al. (2025) Intracellular and Extracellular Vesicle miRNA Signatures in Human iPSC-Derived Neural Stem Cells and Floor Plate Progenitors. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(16), e70958.

Li F, et al. (2025) CHAMP1 complex directs heterochromatin assembly and promotes homology-directed DNA repair. *Nature communications*, 16(1), 1714.

Yuan Y, et al. (2025) Single-cell sequencing reveals the features of adaptive immune responses in the liver of a mouse model of dengue fever. *Animal models and experimental medicine*, 8(1), 30.

Ziegler DV, et al. (2025) CDK4 inactivation inhibits apoptosis via mitochondria-ER contact remodeling in triple-negative breast cancer. *Nature communications*, 16(1), 541.

Zhang A, et al. (2025) Sustained-Release Photothermal Microneedles for Postoperative Incisional Analgesia and Wound Healing via Hydrogen Therapy. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(35), e03698.

Sato S, et al. (2025) Conditioned media of stem cells from human exfoliated deciduous teeth contain factors related to extracellular matrix organization and promotes corneal epithelial wound healing. *Regenerative therapy*, 29, 148.

Peters L, et al. (2025) MicroRNA-26b protects against MASH development in mice and can be efficiently targeted with lipid nanoparticles. *eLife*, 13.

Turewicz M, et al. (2025) Temporal phosphoproteomics reveals circuitry of phased propagation in insulin signaling. *Nature communications*, 16(1), 1570.

Bianchini R, et al. (2025) Molecular Signatures and Functional Pathways of Human Monocytes and Macrophages in Allergy: An EAACI AllergoOncology Scoping Review. *Allergy*, 80(10), 2710.

Costa IP, et al. (2025) AQP7 deficiency drives adipose tissue remodeling and disrupts homeostasis. *npj metabolic health and disease*, 3(1), 44.

Lepore Signorile M, et al. (2025) Tailoring a novel colorectal cancer stem cell-targeted therapy by inhibiting the SMYD3/c-MYC axis. *Signal transduction and targeted therapy*, 10(1), 206.

Kim SC, et al. (2024) Effects of simulated microgravity on colorectal cancer organoids growth and drug response. *Scientific reports*, 14(1), 25526.

Chua EW, et al. (2024) A concise guide to essential R packages for analyses of DNA, RNA, and proteins. *Molecules and cells*, 47(11), 100120.

Tondi S, et al. (2024) Molecular Signature of Monocytes Shaped by the *Shigella sonnei* 1790-Generalized Modules for Membrane Antigens Vaccine. *International journal of molecular sciences*, 25(2).

Hashemi E, et al. (2024) Transcriptomic diversity of innate lymphoid cells in human lymph nodes compared to BM and spleen. *Communications biology*, 7(1), 769.

Inciuraitė R, et al. (2024) The microRNA expression in crypt-top and crypt-bottom colonic epithelial cell populations demonstrates cell-type specificity and correlates with endoscopic activity in ulcerative colitis. *Journal of Crohn's & colitis*, 18(12), 2033.

Brasileiro-Martins LM, et al. (2024) Urinary proteomics reveals biological processes related to acute kidney injury in *Bothrops atrox* envenomings. *PLoS neglected tropical diseases*, 18(3), e0012072.