

Resource Summary Report

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Ingenuity Pathway Analysis

RRID:SCR_008653

Type: Tool

Proper Citation

Ingenuity Pathway Analysis (RRID:SCR_008653)

Resource Information

URL: http://www.ingenuity.com/products/pathways_analysis.html

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Description: A web-based software application that enables users to analyze, integrate, and understand data derived from gene expression, microRNA, and SNP microarrays, metabolomics, proteomics, and RNA-Seq experiments, and small-scale experiments that generate gene and chemical lists. Users can search for targeted information on genes, proteins, chemicals, and drugs, and build interactive models of experimental systems. IPA allows exploration of molecular, chemical, gene, protein and miRNA interactions, creation of custom molecular pathways, and the ability to view and modify metabolic, signaling, and toxicological canonical pathways. In addition to the networks and pathways that can be created, IPA can provide multiple layering of additional information, such as drugs, disease genes, expression data, cellular functions and processes, or a researchers own genes or chemicals of interest.

Abbreviations: IPA

Synonyms: QIAGEN Ingenuity Pathway Analysis

Resource Type: pathway analysis tool

Keywords: software, drug, gene, analysis, chemical, metabolic, model, pathway, protein, signal, molecular signaling, genomic, pathway analysis tool

Availability: Commercial license

Resource Name: Ingenuity Pathway Analysis

Resource ID: SCR_008653

Alternate IDs: nif-0000-33144, OMICS_00399

Alternate URLs: <http://www.ingenuity.com/products/ipa>,
<http://www.ingenuity.com/products/ipa/micrna-research>

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Ratings and Alerts

- Used for data analysis by the Human Islet Research Network community.
Contact(s): [Midhat Abdulreda](#), [Peter Buchwald](#) - Human Islets Research Network
<https://hirnetwork.org/>

No alerts have been found for Ingenuity Pathway Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6581 mentions in open access literature.

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

Durmaz E, et al. (2026) R-28 cell-derived extracellular vesicles protect retinal ganglion cells in glaucoma. Neural regeneration research, 21(5), 2073.

Mirbeyk M, et al. (2026) Blood-based protein biomarkers of sickle cell disease pain: a systematic review and meta-analysis. Pain, 167(1), 56.

Rao Z, et al. (2026) A Novel Longitudinal Proteomic Aging Index Predicts Mortality, Multimorbidity, and Frailty in Older Adults. Aging cell, 25(1), e70317.

Hsiung CN, et al. (2026) Genome-wide association study reveals genetic mechanisms underlie eye disorders and comorbidities. HGG advances, 7(1), 100520.

Gilani A, et al. (2026) Secretory kinase FAM20C triggers adipocyte dysfunction, inciting insulin resistance and inflammation in obesity. The Journal of clinical investigation, 136(1).

Ratsimandresy RA, et al. (2026) Combined antagonism of Oncostatin M (OSM) and Interleukin 6 (IL-6) provides both anti-fibrotic and anti-inflammatory benefit in pulmonary fibrosis. bioRxiv : the preprint server for biology.

Yesupatham SK, et al. (2026) Transcriptome profiling suggests molecular sexual dimorphism in lumbosacral dorsal root ganglia and sex-specific mechanisms underlying visceral pain. Physiological genomics, 58(1), 12.

Castelli S, et al. (2026) IL-9 signaling redirects CAR T cell fate toward CD8+ memory and CD4+ cycling states, enhancing antitumor efficacy. *Immunity*, 59(1), 195.

John K, et al. (2025) Human long noncoding RNA VILMIR is induced by major respiratory viral infections and modulates the host interferon response. *Journal of virology*, 99(4), e0014125.

Urick ME, et al. (2025) Proteomic Changes Associated With Endogenous FBXW7 Mutations in Moderately Differentiated Endometrial Cancer Cells Include Increased TROP2 and Galectin-3 Levels. *Cancer medicine*, 14(6), e70765.

Ambite I, et al. (2025) Multitarget mechanism of MYC inhibition by the bacterial lon protease in disease. *Scientific reports*, 15(1), 6778.

Cozzolino KA, et al. (2025) Mediator kinase inhibition suppresses hyperactive interferon signaling in Down syndrome. *eLife*, 13.

Hao D, et al. (2025) The ACTH test fails to diagnose adrenal insufficiency and augments cytokine production in sepsis. *JCI insight*, 10(8).

Estephan H, et al. (2025) Hypoxia promotes tumor immune evasion by suppressing MHC-I expression and antigen presentation. *The EMBO journal*, 44(3), 903.

Palrasu M, et al. (2025) AhR Activation Transcriptionally Induces Anti-Microbial Peptide Alpha-Defensin 1 Leading to Reversal of Gut Microbiota Dysbiosis and Colitis. *Gut microbes*, 17(1), 2460538.

Cano-Cano F, et al. (2025) Exploring proteomic immunoprofiles: common neurological and immunological pathways in multiple sclerosis and type 1 diabetes mellitus. *Molecular medicine (Cambridge, Mass.)*, 31(1), 36.

Mao H, et al. (2025) Chlamydia trachomatis impairs T cell priming by inducing dendritic cell death. *Infection and immunity*, 93(2), e0040224.

Spedicati B, et al. (2025) Scent of COVID-19: Whole-Genome Sequencing Analysis Reveals the Role of ACE2, IFI44, and NDUFAF4 in Long-Lasting Olfactory Dysfunction. *Life (Basel, Switzerland)*, 15(1).

Mooney C, et al. (2025) Deregulated mRNA and microRNA Expression Patterns in the Prefrontal Cortex of the BTBR Mouse Model of Autism. *Molecular neurobiology*, 62(8), 10614.

van Eeghen SA, et al. (2025) Unveiling mechanisms underlying kidney function changes during sex hormone therapy. *The Journal of clinical investigation*, 135(9).