

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 6828 mentions in open access literature.

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

Klein B, et al. (2026) Epidermal Interferon- γ Drives Cutaneous Lupus-Like Lesions, Photosensitivity, and Systemic Autoimmunity In Vivo. Arthritis & rheumatology (Hoboken, N.J.), 78(1), 184.

Sarode G, et al. (2026) IL-6 trans-Signaling Regulates Neutrophilic Inflammation in Alcohol-Associated Hepatitis. The American journal of pathology, 196(1), 223.

Pini V, et al. (2026) Muscle transcriptome profiling reveals novel molecular pathways and biomarkers in laminin- $\alpha2$ deficient patients. Acta neuropathologica communications, 14(1).

Turner CT, et al. (2026) Evolution of the tuberculin skin test reveals generalisable Mtb-reactive T cell metaclones. Nature communications, 17(1).

Forshaw TE, et al. (2026) A proteomics and redox proteomics approach to understanding ARDS heterogeneity. Scientific reports, 16(1), 6034.

Truter C, et al. (2026) Understanding ischemia in children with tuberculous meningitis (iThemba): a protocol paper. BMC pediatrics, 26(1).

Wei X, et al. (2026) A Novel CRYBB2 Splicing Mutation Is Associated With Lens Extracellular Matrix Remodeling and Vascular Alterations in Congenital Cataract. Investigative ophthalmology & visual science, 67(4), 36.

- Gyles TM, et al. (2026) A shared transcriptional network in the nucleus accumbens supports resilience to chronic stress across sex. *bioRxiv : the preprint server for biology*.
- Koroma AK, et al. (2026) Overactivation of Cdc42 GTPase Impairs the Cytotoxic Function of NK Cells From Old Individuals Towards Senescent Fibroblasts. *Aging cell*, 25(2), e70398.
- Cuminetti V, et al. (2026) Succinate receptor 1 restricts hematopoiesis and prevents acute myeloid leukemia progression. *Nature communications*, 17(1).
- Simonson M, et al. (2026) Exploring metabolomic clues in diabetic retinopathy: a pilot study. *Acta diabetologica*, 63(6), 1137.
- Goldberg L, et al. (2026) Immunometabolic determinants of long-term response in leukemia patients receiving CD19 CAR T cell therapy. *Nature communications*, 17(1).
- Sheng J, et al. (2026) iS2C2: a cointelligent platform for mechanistic discovery of disease cellular crosstalk. *Signal transduction and targeted therapy*, 11(1).
- Budden T, et al. (2026) Tissue-specific fibroblast lipid cues impose the rate of epithelial cancer invasion. *Nature metabolism*, 8(5), 1149.
- Yoon HS, et al. (2026) Temporal transcriptomic profiling identifies core regulators in cytokine-induced gut barrier disruption in differentiated Caco-2 cells. *Inflammation research : official journal of the European Histamine Research Society ... [et al.]*, 75(1).
- Katagiri N, et al. (2026) Diet-induced obesity exacerbates and prolongs postoperative pain via peripheral DRG transcriptional changes in rats. *Journal of dental anesthesia and pain medicine*, 26(3), 199.
- Oakley RH, et al. (2026) Glucocorticoid Receptor Translational Isoforms Generate Unique Glucocorticoid Responses in the Mouse Brain. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(12), e72040.
- Rezola Artero M, et al. (2026) Intracellular complement Factor H promotes tumor progression through modulation of cell cycle and actin cytoskeleton. *Communications biology*, 9(1).
- Laurent K, et al. (2026) Epigenetic Legacy: The Role of Sperm miRNAs in the Paternal Inheritance of Diabetes and Obesity Development. *Diabetes/metabolism research and reviews*, 42(3), e70157.
- Fan H, et al. (2026) Inhaled Angiopoietin-Like 4 Antisense Oligonucleotide Therapy for Lung Injury and Fibrosis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(23), e01909.