

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 [PRECISE-TBI](#) .

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

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.

Mony T, et al. (2026) Supplementation of aged garlic extract attenuates age-associated memory impairment and cognitive decline: Involvement of molecular pathways in the cortex and hippocampus. Biomedical reports, 24(1), 2.

Saum K, et al. (2026) Chronic kidney disease induces distinct alterations of macrophage lipid metabolism in a mouse model of atherosclerosis. Journal of lipid research, 67(2), 100975.

van Eeghen SA, et al. (2026) Insulin Sensitivity and Associated Plasma Proteomics During Sex Hormone Therapy. The Journal of clinical endocrinology and metabolism, 111(4), e1070.

Krantz S, et al. (2026) Dissection of G β s and Hedgehog Signaling Cross-talk Reveals Therapeutic Opportunities to Target Hedgehog-Dependent Tumors. Cancer research, 86(4), 940.

Liong O, et al. (2026) Oral Immunotherapy Induces Shift in lncRNA Expression Modulating Allergen-Specific Immune Responses. *Allergy*, 81(6), 2111.

Gautier-Isola M, et al. (2026) LINC01116, a hypoxia-lncRNA marker of pathological lymphangiogenesis and poor prognosis in lung adenocarcinoma. *Molecular oncology*, 20(4), 962.

Ishigami J, et al. (2026) Proteomics Analysis of Plasma for Risk of Sepsis: Findings from the Atherosclerosis Risk in Communities Study. *The journal of applied laboratory medicine*, 11(2), 281.

Ma X, et al. (2026) Genetic disruption of mitochondrial dynamics and stasis leads to liver injury and tumorigenesis. *The Journal of clinical investigation*, 136(4).

Biswas SR, et al. (2026) Impaired Complex I dysregulates neural/glia precursors and corpus callosum development revealing postnatal defects in Leigh syndrome mice. *EMBO molecular medicine*, 18(2), 677.

Agrusa JE, et al. (2026) Disordered differentiation and cellular senescence in pediatric Hodgkin Reed-Sternberg cells. *Blood advances*, 10(8), 2711.

Kremastiotis G, et al. (2026) Suppression of CSF2RA macrophage polarisation impacts pathological cardiac remodelling in mice. *Scientific reports*, 16(1), 3870.

Santella B, et al. (2026) Epigenetic alterations of AKT1 orchestrate a metabolic reprogramming in advanced lipedema: translational insights from an integrated multi-omics study. *Journal of translational medicine*, 24(1), 265.

Cuminetti V, et al. (2026) Succinate receptor 1 restricts hematopoiesis and prevents acute myeloid leukemia progression. *Nature communications*, 17(1).

Pini V, et al. (2026) Muscle transcriptome profiling reveals novel molecular pathways and biomarkers in laminin- α 2 deficient patients. *Acta neuropathologica communications*, 14(1).

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

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*.

Goldberg L, et al. (2026) Immunometabolic determinants of long-term response in leukemia patients receiving CD19 CAR T cell therapy. *Nature communications*, 17(1).

Anderson S, et al. (2026) Targeting immunometabolic pathways with AZD1656 alleviates inflammation and metabolic dysfunction in type 2 diabetic cardiomyopathy. *Nature cardiovascular research*, 5(2), 138.