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/microrna-research

Ratings and Alerts

No rating or validation information has been found for Ingenuity Pathway Analysis.

No alerts have been found for Ingenuity Pathway Analysis.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5876 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Kajitani N, et al. (2024) G protein-biased LPAR1 agonism of prototypic antidepressants: Implication in the identification of novel therapeutic target for depression. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 49(3), 561.

Saggese P, et al. (2024) Glucose Deprivation Promotes Pseudohypoxia and Dedifferentiation in Lung Adenocarcinoma. Cancer research, 84(2), 305.

Azzo JD, et al. (2024) Proteomic Associations of NT-proBNP (N-Terminal Pro-B-Type Natriuretic Peptide) in Heart Failure With Preserved Ejection Fraction. Circulation. Heart failure, 17(2), e011146.

Dong L, et al. (2024) Tumour tissue-derived small extracellular vesicles reflect molecular subtypes of bladder cancer. Journal of extracellular vesicles, 13(2), e12402.

Clarke E, et al. (2024) Proteome and phospholipidome interrelationship of synovial fluid-derived extracellular vesicles in equine osteoarthritis: An exploratory 'multi-omics' study to identify composite biomarkers. Biochemistry and biophysics reports, 37, 101635.

Raab M, et al. (2024) Rescue of p53 functions by in vitro-transcribed mRNA impedes the growth of high-grade serous ovarian cancer. Cancer communications (London, England), 44(1), 101.

Ma F, et al. (2024) Systems-based identification of the Hippo pathway for promoting fibrotic mesenchymal differentiation in systemic sclerosis. Nature communications, 15(1), 210.

Watral J, et al. (2024) Comprehensive proteomics of monocytes indicates oxidative imbalance functionally related to inflammatory response in chronic kidney disease-related atherosclerosis. Frontiers in molecular biosciences, 11, 1229648.

Jorgensen AN, et al. (2024) Neurogranin expression regulates mitochondrial function and redox balance in endothelial cells. Redox biology, 70, 103085.

Daily KP, et al. (2024) DNA hypomethylation promotes the expression of CASPASE-4 which exacerbates inflammation and amyloid-? deposition in Alzheimer's disease. Alzheimer's research & therapy, 16(1), 29.

Headley CA, et al. (2024) Extracellular Delivery of Functional Mitochondria Rescues the Dysfunction of CD4+ T Cells in Aging. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(5), e2303664.

Tokifuji BY, et al. (2024) Targeting abatacept-resistant T-helper-17 cells by aldehyde dehydrogenase inhibition. iScience, 27(1), 108646.

Parisian AD, et al. (2024) Palazestrant (OP-1250), A Complete Estrogen Receptor Antagonist, Inhibits Wild-type and Mutant ER-positive Breast Cancer Models as Monotherapy and in Combination. Molecular cancer therapeutics, 23(3), 285.

Sterenborg RBTM, et al. (2024) Multi-trait analysis characterizes the genetics of thyroid function and identifies causal associations with clinical implications. Nature communications, 15(1), 888.

Benabdelkamel H, et al. (2024) Metabolomic Profiling of Blood Plasma in Females with Hyperplasia and Endometrial Cancer. Metabolites, 14(2).

Chang YY, et al. (2024) Transcriptome and machine learning analysis of the impact of COVID-19 on mitochondria and multiorgan damage. PloS one, 19(1), e0297664.

Wu Y, et al. (2024) Pacritinib inhibits proliferation of primary effusion lymphoma cells and production of viral interleukin-6 induced cytokines. Scientific reports, 14(1), 4125.

Liu B, et al. (2024) Skeletal muscle TET3 promotes insulin resistance through destabilisation of PGC-1?. Diabetologia, 67(4), 724.

Jeong SU, et al. (2024) IFITM3-mediated activation of TRAF6/MAPK/AP-1 pathways induces acquired TKI resistance in clear cell renal cell carcinoma. Investigative and clinical urology, 65(1), 84.

Hammer MF, et al. (2024) Sex differences in physiological response to increased neuronal excitability in a knockin mouse model of pediatric epilepsy. Clinical science (London, England : 1979), 138(4), 205.