Resource Summary Report

Generated by NIF on May 15, 2025

NetPath

RRID:SCR_003567

Type: Tool

Proper Citation

NetPath (RRID:SCR_003567)

Resource Information

URL: http://www.netpath.org/

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Description: A manually curated resource of signal transduction pathways in humans. All pathways are freely available for download in BioPAX level 3.0, PSI-MI version 2.5 and SBML version 2.1 formats. The slim pathway models representing only core reactions in each pathway are available at NetSlim. All the NetPath pathway models are also submitted to WikiPathways.

Abbreviations: NetPath

Resource Type: data or information resource, database

Defining Citation: PMID:20067622

Keywords: pathway, signal transduction, molecule, physical interaction, gene, transcriptional regulation, transport, enzyme catalysis, immune, signaling pathway, FASEB list

Related Condition: Cancer

Funding:

Availability: Creative Commons Attribution License

Resource Name: NetPath

Resource ID: SCR 003567

Alternate IDs: nlx_157701

Record Creation Time: 20220129T080219+0000

Record Last Update: 20250507T060141+0000

Ratings and Alerts

No rating or validation information has been found for NetPath.

No alerts have been found for NetPath.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 85 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Ata AAEM, et al. (2024) Hydrogeochemical characteristics and air quality risks associated with gold mining operations in Egypt using geochemical modeling and risk indices. Heliyon, 10(11), e31086.

Huang Y, et al. (2024) DrugRepoBank: a comprehensive database and discovery platform for accelerating drug repositioning. Database: the journal of biological databases and curation, 2024.

Chang X, et al. (2024) GINv2.0: a comprehensive topological network integrating molecular interactions from multiple knowledge bases. NPJ systems biology and applications, 10(1), 4.

Pastrello C, et al. (2024) PathDIP 5: improving coverage and making enrichment analysis more biologically meaningful. Nucleic acids research, 52(D1), D663.

Shaikh SB, et al. (2024) A signaling pathway map of plasminogen activator inhibitor-1 (PAI-1/SERPINE-1): a review of an innovative frontier in molecular aging and cellular senescence. Cell communication and signaling: CCS, 22(1), 544.

Steier Z, et al. (2023) Single-cell multiomic analysis of thymocyte development reveals drivers of CD4+ T cell and CD8+ T cell lineage commitment. Nature immunology, 24(9), 1579.

Pai S, et al. (2023) Multi-scale systems genomics analysis predicts pathways, cell types, and drug targets involved in normative variation in peri-adolescent human cognition. Cerebral

cortex (New York, N.Y.: 1991), 33(13), 8581.

Zhang Y, et al. (2023) CRdb: a comprehensive resource for deciphering chromatin regulators in human. Nucleic acids research, 51(D1), D88.

Li X, et al. (2022) dbBIP: a comprehensive bipolar disorder database for genetic research. Database: the journal of biological databases and curation, 2022.

Liu J, et al. (2022) Multi-Scalar Data Integration Links Glomerular Angiopoietin-Tie Signaling Pathway Activation With Progression of Diabetic Kidney Disease. Diabetes, 71(12), 2664.

Vega Magdaleno GD, et al. (2022) Machine learning-based predictions of dietary restriction associations across ageing-related genes. BMC bioinformatics, 23(1), 10.

Milano M, et al. (2022) Challenges and Limitations of Biological Network Analysis. Biotech (Basel (Switzerland)), 11(3).

Martín-Sánchez A, et al. (2021) Comorbidity between Alzheimer's disease and major depression: a behavioural and transcriptomic characterization study in mice. Alzheimer's research & therapy, 13(1), 73.

Jeong JH, et al. (2021) Elucidation of Novel Therapeutic Targets for Breast Cancer with ESR1-CCDC170 Fusion. Journal of clinical medicine, 10(4).

Yang C, et al. (2021) Mining of RNA Methylation-Related Genes and Elucidation of Their Molecular Biology in Gallbladder Carcinoma. Frontiers in oncology, 11, 621806.

Jungwirth U, et al. (2021) Impairment of a distinct cancer-associated fibroblast population limits tumour growth and metastasis. Nature communications, 12(1), 3516.

Charles Jacob HK, et al. (2021) Modulation of Early Neutrophil Granulation: The Circulating Tumor Cell-Extravesicular Connection in Pancreatic Ductal Adenocarcinoma. Cancers, 13(11).

Magnano CS, et al. (2021) Automating parameter selection to avoid implausible biological pathway models. NPJ systems biology and applications, 7(1), 12.

Arici MK, et al. (2021) Performance Assessment of the Network Reconstruction Approaches on Various Interactomes. Frontiers in molecular biosciences, 8, 666705.

Butz F, et al. (2020) MicroRNA Profiling in Oesophageal Adenocarcinoma Cell Lines and Patient Serum Samples Reveals a Role for miR-451a in Radiation Resistance. International journal of molecular sciences, 21(23).