

Resource Summary Report

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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., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: NetPath

Resource Type: database, data or information resource

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

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: NetPath

Resource ID: SCR_003567

Alternate IDs: nlx_157701, r3d100011009

Alternate URLs: <https://doi.org/10.17616/R34G98>

Record Creation Time: 20220129T080219+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 90 mentions in open access literature.

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

Rai AB, et al. (2025) Mapping growth differentiation factor-15 (GDF15)-mediated signaling pathways in cancer: insights into its role across different cancer types. Discover oncology, 16(1), 386.

Mei H, et al. (2025) Network analysis of multivariate time series data in biological systems: methods and applications. Briefings in bioinformatics, 26(3).

Palollathil A, et al. (2025) The network map of mucin 1 mediated signaling in cancer progression and immune modulation. Discover oncology, 16(1), 1404.

Aravind A, et al. (2025) An assembled molecular signaling map of interleukin-24: a resource to decipher its multifunctional immunoregulatory role in pathophysiological conditions. Frontiers in immunology, 16, 1608101.

Müller-Dott S, et al. (2025) Comprehensive evaluation of phosphoproteomic-based kinase activity inference. Nature communications, 16(1), 4771.

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.

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.

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.

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.

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

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.

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.

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

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).

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