

# Resource Summary Report

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## PathwayNet

RRID:SCR\_017353

Type: Tool

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### Proper Citation

PathwayNet (RRID:SCR\_017353)

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### Resource Information

**URL:** <http://pathwaynet.princeton.edu/>

**Proper Citation:** PathwayNet (RRID:SCR\_017353)

**Description:** Web user interface for interaction predictions of human gene networks and integrative analysis of user data types that takes advantage of data from diverse tissue and cell-lineage origins. Predicts presence of functional association and interaction type among human genes or its protein products on whole genome scale. Used to analyze experimental gene in context of interaction networks.

**Resource Type:** service resource, data analysis service, data access protocol, software resource, production service resource, web service, analysis service resource

**Defining Citation:** [PMID:25431329](#)

**Keywords:** Interface, interaction, predict, human, gene, network, integrative, analysis, user, data, tissue, cell, functional, protein, genome

**Funding:** NIGMS R01 GM071966;  
NHGRI HG005998;  
NIGMS P50 GM071508

**Availability:** Free, Freely available

**Resource Name:** PathwayNet

**Resource ID:** SCR\_017353

**Record Creation Time:** 20220129T080334+0000

**Record Last Update:** 20260729T044429+0000

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### Ratings and Alerts

No rating or validation information has been found for PathwayNet.

No alerts have been found for PathwayNet.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Zhang RX, et al. (2025) FNDC1 is a myokine that promotes myogenesis and muscle regeneration. The EMBO journal, 44(1), 30.

Lee S, et al. (2024) High-throughput identification of repurposable neuroactive drugs with potent anti-glioblastoma activity. Nature medicine, 30(11), 3196.

Chauhan C, et al. (2023) 5-Iodotubercidin sensitizes cells to RIPK1-dependent necroptosis by interfering with NF- $\kappa$ B signaling. Cell death discovery, 9(1), 262.

Tsegaye MA, et al. (2021) Oncogenic signaling inhibits c-FLIPL expression and its non-apoptotic function during ECM-detachment. Scientific reports, 11(1), 18606.

Li J, et al. (2021) Discovery and characterization of potent And-1 inhibitors for cancer treatment. Clinical and translational medicine, 11(12), e627.

Cai Y, et al. (2020) Overexpression of PGC-1 $\beta$  influences the mitochondrial unfolded protein response (mtUPR) induced by MPP<sup>+</sup> in human SH-SY5Y neuroblastoma cells. Scientific reports, 10(1), 10444.

Wu J, et al. (2020) A single-cell survey of cellular hierarchy in acute myeloid leukemia. Journal of hematology & oncology, 13(1), 128.