# **Resource Summary Report**

Generated by NIF on Apr 17, 2025

# Cytoscape

RRID:SCR\_003032

Type: Tool

### **Proper Citation**

Cytoscape (RRID:SCR\_003032)

#### **Resource Information**

URL: http://cytoscape.org

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**Description:** Software platform for complex network analysis and visualization. Used for visualization of molecular interaction networks and biological pathways and integrating these networks with annotations, gene expression profiles and other state data.

Synonyms: Complex Network Analysis Visualization, Cytoscape 2.6, Cytoscape 3.0

**Resource Type:** data analysis software, software application, data visualization software, data processing software, software resource

**Defining Citation:** <u>PMID:21149340</u>, <u>PMID:14597658</u>

**Keywords:** biological, network, visualization, analysis, data, gene, pathway, molecular, interaction, FASEB list

Funding: National Resource for Network Biology;

NCRR RR031228; NIGMS GM070743

Availability: Open source, The community can contribute to this resource

Resource Name: Cytoscape

Resource ID: SCR\_003032

Alternate IDs: nif-0000-30404

Alternate URLs: https://sources.debian.org/src/cytoscape/

License: GNU Lesser General Public License

**Record Creation Time:** 20220129T080216+0000

Record Last Update: 20250417T065125+0000

### **Ratings and Alerts**

No rating or validation information has been found for Cytoscape.

No alerts have been found for Cytoscape.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 22813 mentions in open access literature.

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

Yang J, et al. (2025) Perilipin-2 mediates ferroptosis in oligodendrocyte progenitor cells and myelin injury after ischemic stroke. Neural regeneration research, 20(7), 2015.

Modesti A, et al. (2025) Molecular, Physical, and Technical Performance Response After a Competitive Match in Male Professional Soccer Players. Antioxidants (Basel, Switzerland), 14(1).

Zhang Y, et al. (2025) Clozapine Induces Agranulocytosis via Inflammatory and Hematopoietic Cytokine Induction of the JAK-STAT Signaling Pathway: Evidence From Network Pharmacology and Molecular Docking. CNS neuroscience & therapeutics, 31(1), e70206.

Chaharlashkar Z, et al. (2025) Metastatic melanoma: An integrated analysis to identify critical regulators associated with prognosis, pathogenesis and targeted therapies. PloS one, 20(1), e0312754.

Škandík M, et al. (2025) Age-associated microglial transcriptome leads to diminished immunogenicity and dysregulation of MCT4 and P2RY12/P2RY13 related functions. Cell death discovery, 11(1), 16.

Testone G, et al. (2025) The molecular pathways leading to GABA and lactic acid accumulation in florets of organic broccoli rabe (Brassica rapa subsp. sylvestris) stored as

fresh or as minimally processed product. Horticulture research, 12(1), uhae274.

Chen P, et al. (2025) A Proteomic Study Based on Home Quarantine Model Identifies NQO1 and Inflammation Pathways Involved in Adenoid Hypertrophy. Journal of inflammation research, 18, 723.

Tang Z, et al. (2025) Single-cell RNA sequencing provides new insights into the interaction between astrocytes and neurons after spinal cord injury in mice. Biochemistry and biophysics reports, 41, 101917.

Zhou S, et al. (2025) The cGAS-STING-interferon regulatory factor 7 pathway regulates neuroinflammation in Parkinson's disease. Neural regeneration research, 20(8), 2361.

Li J, et al. (2025) Knockdown of CENPF induces cell cycle arrest and inhibits epithelial?mesenchymal transition progression in glioma. Oncology letters, 29(1), 61.

Wakisaka N, et al. (2025) Distinct immunological features of oropharyngeal cancer peritumoral tonsillar tissues from inflammatory tonsils and regional lymph nodes: A pilot study. PloS one, 20(1), e0316102.

Linares-Pineda TM, et al. (2025) Longitudinal DNA methylation profiles in saliva of offspring from mothers with gestational diabetes: associations with early childhood growth patterns. Cardiovascular diabetology, 24(1), 15.

Im M, et al. (2025) FN1 and VEGFA Are Potential Therapeutic Targets in Glioblastoma as Determined by Bioinformatics Analysis. Cancer genomics & proteomics, 22(1), 70.

Moore M, et al. (2025) Non-stochastic reassembly of a metabolically cohesive gut consortium shaped by N-acetyl-lactosamine-enriched fibers. Gut microbes, 17(1), 2440120.

Shi Y, et al. (2025) Acquired resistance to PD-L1 inhibition enhances a type I IFN-regulated secretory program in tumors. EMBO reports, 26(2), 521.

Mittra PK, et al. (2025) Proteomic analysis reveals the roles of silicon in mitigating glyphosate-induced toxicity in Brassica napus L. Scientific reports, 15(1), 2465.

Wang L, et al. (2025) Proteomics Reveals the Response Mechanism of Embryonic Bovine Lung Cells to Mycoplasma bovis Infection. International journal of molecular sciences, 26(2).

Zafar S, et al. (2025) Molecular dynamics simulation based prediction of T-cell epitopes for the production of effector molecules for liver cancer immunotherapy. PloS one, 20(1), e0309049.

Sharma D, et al. (2025) Light-dark shift promotes colon carcinogenesis through accelerated colon aging. iScience, 28(1), 111560.

Lin D, et al. (2025) Multiorgan proteomic analysis of infected animal models predict potential host factors for chikungunya virus. MedComm, 6(1), e70013.