Resource Summary Report

Generated by <u>NIF</u> on May 20, 2025

Cytoscape

RRID:SCR_003032 Type: Tool

Proper Citation

Cytoscape (RRID:SCR_003032)

Resource Information

URL: http://cytoscape.org

Proper Citation: Cytoscape (RRID:SCR_003032)

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: software application, data visualization software, data analysis software, data processing software, software resource

Defining Citation: PMID:21149340, PMID:14597658

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: 20250519T203229+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: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 22813 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

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.

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.

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.

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.

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.

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).

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).

Meng J, et al. (2025) Porcine granulosa cell transcriptomic analyses reveal the differential regulation of IncRNAs and mRNAs in response to all-trans retinoic acid in vitro. Animal bioscience, 38(2), 267.

Yan R, et al. (2025) Identification of key ferroptosis?related biomarkers in Kawasaki disease by clinical and experimental validation. Biomedical reports, 22(1), 16.

Tang Z, et al. (2025) Long noncoding RNA DHRS4 antisense RNA 1 suppresses osteosarcoma cell proliferation and promotes apoptosis through a competitive endogenous RNA mechanism. Scientific reports, 15(1), 2891.