

Resource Summary Report

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RCy3

RRID:SCR_027668

Type: Tool

Proper Citation

RCy3 (RRID:SCR_027668)

Resource Information

URL: <https://github.com/cytoscape/RCy3>

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Description: Software R package in Bioconductor that communicates with Cytoscape via its REST API, providing access to the full feature set of Cytoscape from within the R programming environment. RCy3 has been redesigned to streamline its usage and future development as part of a broader Cytoscape Automation effort. Network biology using Cytoscape from within R.

Synonyms: RCy3: Network biology using Cytoscape from within R

Resource Type: source code, software toolkit, software resource

Defining Citation: [PMID:31819800](#)

Keywords: Network biology using Cytoscape from within R, network biology, Cytoscape, R

Funding: NIGMS P41GM103504;
Google Summer of Code

Availability: Free, Available for download, Freely available

Resource Name: RCy3

Resource ID: SCR_027668

Alternate URLs: <https://bioconductor.org/packages/release/bioc/html/RCy3.html>,
<https://zenodo.org/records/3473421>

License: MIT license

Record Creation Time: 20251118T060127+0000

Ratings and Alerts

No rating or validation information has been found for RCy3.

No alerts have been found for RCy3.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Park SY, et al. (2025) Cathepsin L as a dual-target to mitigate muscle wasting while enhancing anti-tumor efficacy of anti-PD-L1. Nature communications, 16(1), 10706.

Thompson S, et al. (2025) Menadione reduces the expression of virulence- and colonization-associated genes in Helicobacter pylori. Microbiology (Reading, England), 171(3).

Doh??l M, et al. (2024) High rate of macrolide resistance and closely genetically related Mycobacterium abscessus complex strains identified among both cystic fibrosis and non-cystic fibrosis patients within two countries. Microbiology spectrum, 12(12), e0105624.

Wang C, et al. (2024) A Bioinformatics Tool for Identifying Intratumoral Microbes from the ORIEN Dataset. Cancer research communications, 4(2), 293.

Girardi F, et al. (2024) A gibberellin-assisted study of the transcriptional and hormonal changes occurring at floral transition in peach buds (Prunus persica L. Batsch). BMC plant biology, 24(1), 643.

Wang C, et al. (2023) A bioinformatics tool for identifying intratumoral microbes from the ORIEN dataset. bioRxiv : the preprint server for biology.

Fang X, et al. (2021) Lilikoi V2.0: a deep learning-enabled, personalized pathway-based R package for diagnosis and prognosis predictions using metabolomics data. GigaScience, 10(1).

Miagoux Q, et al. (2021) Inference of an Integrative, Executable Network for Rheumatoid Arthritis Combining Data-Driven Machine Learning Approaches and a State-of-the-Art Mechanistic Disease Map. Journal of personalized medicine, 11(8).