

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: software resource, software toolkit, source code

Defining Citation: [PMID:31819800](#)

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

Funding: Google Summer of Code ;
NIGMS P41GM103504

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 9 mentions in open access literature.

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

Schneeberger PHH, et al. (2026) Profound taxonomic and functional gut microbiota alterations associated with trichuriasis: cross-country and country-specific patterns. NPJ biofilms and microbiomes, 12(1), 45.

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

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.

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.

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

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).