

Resource Summary Report

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MiMI Plugin for Cytoscape

RRID:SCR_003424

Type: Tool

Proper Citation

MiMI Plugin for Cytoscape (RRID:SCR_003424)

Resource Information

URL: <http://portal.ncibi.org/gateway/mimiplugin.html>

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Description: The Cytoscape MiMI Plugin is an open source interactive visualization tool that you can use for analyzing protein interactions and their biological effects. The Cytoscape MiMI Plugin couples Cytoscape, a widely used software tool for analyzing bimolecular networks, with the MiMI database, a database that uses an intelligent deep-merging approach to integrate data from multiple well-known protein interaction databases. The MiMI database has data on 119,880 molecules, 330,153 interactions, and 579 complexes. By querying the MiMI database through Cytoscape you can access the integrated molecular data assembled in MiMI and retrieve interactive graphics that display protein interactions and details on related attributes and biological concepts. You can interact with the visualization by expanding networks to the next nearest neighbors and zooming and panning to relationships of interest. You also can perceptually encode nodes and links to show additional attributes through color, size and the visual cues. You can edit networks, link out to other resources and tools, and access information associated with interactions that has been mined and summarized from the research literature information through a biology natural language processing database (BioNLP) and a multi-document summarization system, MEAD. Additionally, you can choose sub-networks of interest and use SAGA, a graph matching tool, to match these sub-networks to biological pathways.

Abbreviations: MiMI Plugin

Synonyms: Cytoscape Plugin for MiMI, MiMI Plugin - Cytoscape Plugin for MiMI

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

Defining Citation: [PMID:18812364](#)

Keywords: protein interaction, network visualization, xquery, interactive database, information refining, molecular interaction, bioinformatics tool, java, protein-protein

interaction, interaction network, biological effect, bimolecular, interaction, molecular, network, pathway, protein, visualization, plugin

Funding: NIH ;
NIDA U54 DA021519;
NLM R01 LM008106;
NCRR P41 RR018627

Resource Name: MiMI Plugin for Cytoscape

Resource ID: SCR_003424

Alternate IDs: nif-0000-33090

Alternate URLs: <http://mimiplugin.ncibi.org/index.html>

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260729T044042+0000

Ratings and Alerts

No rating or validation information has been found for MiMI Plugin for Cytoscape.

No alerts have been found for MiMI Plugin for Cytoscape.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

da Silva Santos C, et al. (2015) Proteome profiling of human cutaneous leishmaniasis lesion. The Journal of investigative dermatology, 135(2), 400.