Resource Summary Report

Generated by RRID on Apr 29, 2025

OmicsNet

RRID:SCR_016724
Type: Tool

Proper Citation

OmicsNet (RRID:SCR_016724)

Resource Information

URL: https://www.omicsnet.ca/

Proper Citation: OmicsNet (RRID:SCR_016724)

Description: Web based tool to create different types of molecular interaction networks and visually explore them in a three-dimensional (3D) space (genes/proteins, microRNAs, transcription factors or metabolites).

Resource Type: web service, service resource, data access protocol, production service resource, analysis service resource, software resource

Defining Citation: PMID:29878180

Keywords: create, molecular, interaction, network, visually, 3D, gene, protein, microRNA, transcription factor, metabolite, bio.tools

Funding: Natural Sciences and Engineering Research Council of Canada ;
Genome Canada ;
Canada Research Chairs Program

Availability: Free, Freely available

Resource Name: OmicsNet

Resource ID: SCR_016724

Alternate IDs: biotools:omicsnet

Alternate URLs: https://bio.tools/omicsnet

Record Creation Time: 20220129T080332+0000

Record Last Update: 20250429T055846+0000

Ratings and Alerts

No rating or validation information has been found for OmicsNet.

No alerts have been found for OmicsNet.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Zhang J, et al. (2024) The association of GNB5 with Alzheimer disease revealed by genomic analysis restricted to variants impacting gene function. American journal of human genetics, 111(3), 473.

Mantione ME, et al. (2024) Disrupting pro-survival and inflammatory pathways with dimethyl fumarate sensitizes chronic lymphocytic leukemia to cell death. Cell death & disease, 15(3), 224.

Mok JH, et al. (2024) Differential protein expression and metabolite profiling in glaucoma: Insights from a multi-omics analysis. BioFactors (Oxford, England), 50(6), 1220.

Wu S, et al. (2024) Multi-omic analysis tools for microbial metabolites prediction. Briefings in bioinformatics, 25(4).

Nguyen QH, et al. (2024) Current approaches and outstanding challenges of functional annotation of metabolites: a comprehensive review. Briefings in bioinformatics, 25(6).

Kwoji ID, et al. (2023) 'Multi-omics' data integration: applications in probiotics studies. NPJ science of food, 7(1), 25.

Yang L, et al. (2023) From single- to multi-omics: future research trends in medicinal plants. Briefings in bioinformatics, 24(1).

Zhou XJ, et al. (2023) Integration of artificial intelligence and multi-omics in kidney diseases. Fundamental research, 3(1), 126.

Marino C, et al. (2023) Supplementing Low-Sodium Bicarbonate-Calcic (Lete)® Water: Effects in Women on Bone and Systemic Metabolism. Metabolites, 13(11).

Fu J, et al. (2023) Metabolomics meets systems immunology. EMBO reports, 24(4), e55747.

Berquez M, et al. (2023) Lysosomal cystine export regulates mTORC1 signaling to guide kidney epithelial cell fate specialization. Nature communications, 14(1), 3994.

Zhou G, et al. (2022) OmicsNet 2.0: a web-based platform for multi-omics integration and network visual analytics. Nucleic acids research, 50(W1), W527.

Karimi MR, et al. (2022) Prospects and challenges of cancer systems medicine: from genes to disease networks. Briefings in bioinformatics, 23(1).

Milenkovic D, et al. (2022) Flavanol Consumption in Healthy Men Preserves Integrity of Immunological-Endothelial Barrier Cell Functions: Nutri(epi)genomic Analysis. Molecular nutrition & food research, 66(21), e2100991.

Zhou G, et al. (2021) OmicsAnalyst: a comprehensive web-based platform for visual analytics of multi-omics data. Nucleic acids research, 49(W1), W476.

LaLone CA, et al. (2021) International Consortium to Advance Cross-Species Extrapolation of the Effects of Chemicals in Regulatory Toxicology. Environmental toxicology and chemistry, 40(12), 3226.

Ruskovska T, et al. (2021) Systematic Bioinformatic Analyses of Nutrigenomic Modifications by Polyphenols Associated with Cardiometabolic Health in Humans-Evidence from Targeted Nutrigenomic Studies. Nutrients, 13(7).

Lindenmeyer MT, et al. (2021) Perspectives in systems nephrology. Cell and tissue research, 385(2), 475.

Wang X, et al. (2020) IGF2R-initiated proton rechanneling dictates an anti-inflammatory property in macrophages. Science advances, 6(48).

Heuschkel MA, et al. (2020) Integrative Multi-Omics Analysis in Calcific Aortic Valve Disease Reveals a Link to the Formation of Amyloid-Like Deposits. Cells, 9(10).