Resource Summary Report

Generated by dkNET on Apr 27, 2025

MetaboAnalyst

RRID:SCR_015539

Type: Tool

Proper Citation

MetaboAnalyst (RRID:SCR_015539)

Resource Information

URL: https://www.metaboanalyst.ca/

Proper Citation: MetaboAnalyst (RRID:SCR_015539)

Description: Web server for statistical, functional and integrative analysis of metabolomics data. Web based tool suite used for metabolomic data processing, normalization, multivariate statistical analysis, and data annotation, biomarker discovery and classification.

Synonyms: MetaboAnalyst 4.0, MetaboAnalyst 3.0

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

Defining Citation: PMID:29762782

Keywords: statistical, functional, integrative, analysis, metabolomics, data, processing, annotation, biomarker, discovery

Funding: Alberta Ingenuity Fund; Alberta Life Sciences Institute;

Canadian Institutes for Health Research;

Genome Alberta; McGill University;

Natural Sciences and Engineering Research Council of Canada;

Genome Canada;

Canada Research Chairs Program

Availability: Free, Available for download, Freely available, Tutorial available, Acknowledgement requested

Resource Name: MetaboAnalyst

Resource ID: SCR_015539

Alternate IDs: SCR_016717

Old URLs: http://old.metaboanalyst.ca/MetaboAnalyst/

License: GNU GPL

Record Creation Time: 20220129T080326+0000

Record Last Update: 20250426T060501+0000

Ratings and Alerts

No rating or validation information has been found for MetaboAnalyst.

No alerts have been found for MetaboAnalyst.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9019 mentions in open access literature.

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

Arnone AA, et al. (2025) Endocrine-targeting therapies shift the breast microbiome to reduce estrogen receptor-? breast cancer risk. Cell reports. Medicine, 6(1), 101880.

Boland PM, et al. (2025) A Phase 1b study of the OxPhos inhibitor ME-344 with bevacizumab in refractory metastatic colorectal cancer. Investigational new drugs, 43(1), 60.

Vouilloz A, et al. (2025) Impaired unsaturated fatty acid elongation alters mitochondrial function and accelerates metabolic dysfunction-associated steatohepatitis progression. Metabolism: clinical and experimental, 162, 156051.

Choi M, et al. (2025) Combination model for freshness prediction of pork using VIS/NIR hyperspectral imaging with chemometrics. Animal bioscience, 38(1), 142.

Li J, et al. (2025) Dip2a regulates stress susceptibility in the basolateral amygdala. Neural regeneration research, 20(6), 1735.

Ploypetch S, et al. (2025) Salivary peptidomic profiling of chronic gingivostomatitis in cats by matrix-assisted laser desorption/ionization-time-of-flight mass spectrometry and nanoscale liquid chromatography-tandem mass spectrometry. Journal of veterinary internal medicine, 39(1), e17247.

Thanasukarn V, et al. (2025) Discovery of novel serum peptide biomarkers for cholangiocarcinoma recurrence through MALDI-TOF MS and LC-MS/MS peptidome analysis. Scientific reports, 15(1), 2582.

Zhang Y, et al. (2025) Spatially-resolved characterization of the metabolic and N-glycan alterations in colorectal cancer using matrix-assisted laser desorption/ionization mass spectrometry imaging. RSC advances, 15(3), 1838.

Shaw JR, et al. (2025) Inflammatory disease progression shapes nanoparticle biomolecular corona-mediated immune activation profiles. Nature communications, 16(1), 924.

Liu C, et al. (2025) Aqueous Proteomic and Metabolomic Profiles in Low-Energy vs High-Energy Femtosecond Laser-Assisted Cataract Surgery. Investigative ophthalmology & visual science, 66(1), 10.

Chen L, et al. (2025) Untargeted Metabolomics Reveals Metabolic Link Between Histone H3K27 Demethylase UTX and Neurodevelopment. Journal of cellular and molecular medicine, 29(1), e70334.

Xu J, et al. (2025) Loss of flavonoids homeostasis leads to pistillody in sua-CMS of Nicotiana tabacum. BMC plant biology, 25(1), 111.

Yang Z, et al. (2025) Elevated Lipid Concentrations in Seminal Plasma Can Reduce Sperm Motility in Simmental Bulls. Animals: an open access journal from MDPI, 15(2).

Patil AS, et al. (2025) Comprehensive Metabolomics in Mouse Mast Cell Model of Allergic Rhinitis for Profiling, Modulation, Semiquantitative Analysis, and Pathway Analysis. Biomolecules, 15(1).

Li M, et al. (2025) Pharmacodynamic Mechanisms of Cicadae Periostracum in Parkinson's Disease: A Metabolomics-Based Study. International journal of molecular sciences, 26(2).

Heidarian Y, et al. (2025) Hypoxia-inducible factor 1? is required to establish the larval glycolytic program in Drosophila melanogaster. bioRxiv: the preprint server for biology.

Lange M, et al. (2025) FSP1-mediated lipid droplet quality control prevents neutral lipid peroxidation and ferroptosis. bioRxiv: the preprint server for biology.

Yang BSK, et al. (2025) Systemic Metabolic Alterations after Aneurysmal Subarachnoid Hemorrhage: A Plasma Metabolomics Approach. medRxiv: the preprint server for health sciences.

Song YN, et al. (2025) Metabolic pathway modulation by olanzapine: Multitarget approach

for treating violent aggression in patients with schizophrenia. World journal of psychiatry, 15(1), 101186.

Van Mulders L, et al. (2025) Metabolomics reveals alterations in gut-derived uremic toxins and tryptophan metabolism in feline chronic kidney disease. The veterinary quarterly, 45(1), 1.