

Resource Summary Report

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MetaboAnalystR

RRID:SCR_016723

Type: Tool

Proper Citation

MetaboAnalystR (RRID:SCR_016723)

Resource Information

URL: <https://github.com/xia-lab/MetaboAnalystR>

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Description: Software R package for comprehensive analysis of metabolomics data. Contains the R functions and libraries underlying MetaboAnalyst web server, including functions for metabolomic data analysis, visualization, and functional interpretation.

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

Defining Citation: [PMID:29955821](#)

Keywords: analysis, metabolomic, data, analysis, vixualization, functional, interpretation

Funding: Canada Research Chairs ;
McGill Graduate Dean Award ;
Natural Sciences and Engineering Research Council of Canada

Availability: Free, Available for download, Freely available

Resource Name: MetaboAnalystR

Resource ID: SCR_016723

License: GNU General Public License v3.0

Record Creation Time: 20220129T080332+0000

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Ratings and Alerts

No rating or validation information has been found for MetaboAnalystR.

No alerts have been found for MetaboAnalystR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 525 mentions in open access literature.

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

Yu Q, et al. (2026) Gut microbiota-associated nutritional-immune status predicts prognosis in postoperative NSCLC patients. Gut microbes, 18(1), 2652460.

Speziale R, et al. (2026) Plasma metabolomic profiling identifies a metabolic signature for non-muscle-invasive bladder cancer independent of hematuria. Biology direct, 21(1).

Li G, et al. (2026) Spatial Multiomics Analyses Reveal That Diabetes Promotes Pancreatic Cancer Progression by Stimulating Cholesterol-Induced Neutrophil Extracellular Trap Formation. Cancer research, 86(10), 2327.

Cuesta-López L, et al. (2026) Transcriptomic and proteomic analysis stratifies patients with axial spondyloarthritis based on disease activity, structural damage and radiographic progression. RMD open, 12(1).

Fernandes R, et al. (2026) Fecal microbiota transplantation plus immunotherapy in metastatic renal cell carcinoma: the phase 1 PERFORM trial. Nature medicine, 32(4), 1325.

Guo Z, et al. (2026) Psoralidin, a main compound in Psoraleae Fructus, induces hepatotoxicity by impeding lipid oxidative catabolism and aggravating lipid accumulation in mice. Chinese medicine, 21(1), 58.

Mohanty I, et al. (2026) MS/MS Mass Spectrometry Filtering Tree for Bile Acid Regio- and Stereoisomer Annotation. Analytical chemistry, 98(6), 4571.

Wu B, et al. (2026) Transcriptomic and metabolomic analysis of metabolite changes and regulatory mechanisms associated with gonadal degeneration in yellow oil crab (*Scylla paramamosain*). BMC genomics, 27(1).

Zeng J, et al. (2026) Potential mechanism of the effect of heat stress on milk protein synthesis revealed by integrated metabolomic and proteomic analyses. Journal of animal science and biotechnology, 17(1), 28.

Huang N, et al. (2026) 12R-HETE acts as an endogenous ligand for Nur77 in the intestines and regulates NKp46+ ILC3 development. Science advances, 12(8), eadz8405.

Gong Z, et al. (2026) Non-targeted metabolomics reveals liver metabolome changes in broiler chickens fed diets supplemented with fermented brewer's grain. *Scientific reports*, 16(1).

Mori C, et al. (2026) Holder Pasteurization Affects the VOCs and Lipid Profile of Human Milk. *Foods (Basel, Switzerland)*, 15(7).

Yan P, et al. (2026) ADH4 deficiency activates the NRF2-CSF1 axis by increased lipid peroxidation in hepatocellular carcinoma. *Cancer cell international*, 26(1).

Zhang L, et al. (2026) Comparative analysis of the dental plaque metabolome in tooth stain and caries within primary dentition. *BMC oral health*, 26(1).

Zhao M, et al. (2026) Dysregulation of cholesterol metabolism decreases cervical cancer cells' migratory ability caused by propofol in vitro. *Scientific reports*, 16(1).

Li G, et al. (2026) Ferroptosis induced by preslaughter shackling stress: a mechanism underlying quality deterioration in broiler muscle during postmortem storage. *Poultry science*, 105(8), 107081.

Xu S, et al. (2026) Metagenomics and metabolomics analyses of the mechanism of non-expression of natural mating behavior in captive male Malayan pangolins (*Manis javanica*). *Frontiers in microbiology*, 17, 1828282.

Krarp KB, et al. (2026) Exploratory NMR-based metabolomics reveals transient lipoprotein changes during prolonged computer gaming. *Metabolomics : Official journal of the Metabolomic Society*, 22(4).

Liu J, et al. (2026) Human Umbilical Cord Plasma Metabolomics Uncover Potential Metabolites for Combating Aging. *Aging cell*, 25(1), e70295.

Ye L, et al. (2026) Fecal metagenome and plasma metabolome analyses reveal changes in gut microbiota composition and plasma metabolites in rats with abemaciclib-induced diarrhea. *BMC gastroenterology*, 26(1).