

Resource Summary Report

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Metabolomics Workbench

RRID:SCR_013794

Type: Tool

Proper Citation

Metabolomics Workbench (RRID:SCR_013794)

Resource Information

URL: <http://www.metabolomicsworkbench.org>

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Description: Repository for metabolomics data and metadata which provides analysis tools and access to various resources. NIH grantees may upload data and general users can search metabolomics database. Provides protocols for sample preparation and analysis, information about NIH Metabolomics Program, data sharing guidelines, funding opportunities, services offered by its Regional Comprehensive Metabolomics Resource Cores (RCMRC)s, and training workshops.

Abbreviations: MetWB

Synonyms: , Metabolomics Workbench, MetWB, UCSD Metabolomics Workbench, Metabolomics Workbench (MetWB)

Resource Type: storage service resource, service resource, data repository, data or information resource

Keywords: repository, metabolomics, database, funding, training, protocol, bio.tools, FASEB list

Funding: NIH

Availability: Free, Freely available

Resource Name: Metabolomics Workbench

Resource ID: SCR_013794

Alternate IDs: biotools:Metabolomics_Workbench

Alternate URLs: https://bio.tools/Metabolomics_Workbench,
<https://api.datacite.org/doi?prefix=10.21228>

License URLs: <http://www.metabolomicsworkbench.org/termsfuse.html>

Record Creation Time: 20220129T080318+0000

Record Last Update: 20250425T060004+0000

Ratings and Alerts

No rating or validation information has been found for Metabolomics Workbench.

No alerts have been found for Metabolomics Workbench.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 437 mentions in open access literature.

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

Qian Q, et al. (2025) CVD Atlas: a multi-omics database of cardiovascular disease. *Nucleic acids research*, 53(D1), D1348.

Fu Y, et al. (2025) Diet-gut microbiome interaction and its impact on host blood glucose homeostasis: a series of nutritional n-of-1 trials. *EBioMedicine*, 111, 105483.

Metz TO, et al. (2025) Introducing "Identification Probability" for Automated and Transferable Assessment of Metabolite Identification Confidence in Metabolomics and Related Studies. *Analytical chemistry*, 97(1), 1.

Ji XY, et al. (2025) Interspecific allelopathic interaction primes direct and indirect resistance in neighboring plants within agroforestry systems. *Plant communications*, 6(1), 101173.

Nandy D, et al. (2025) DisCo P-ad: Distance-Correlation-Based p-Value Adjustment Enhances Multiple Testing Corrections for Metabolomics. *Metabolites*, 15(1).

Chamoso-Sanchez D, et al. (2025) Unveiling cellular changes in leukaemia cell lines after cannabidiol treatment through lipidomics. *Scientific reports*, 15(1), 2238.

Cao HH, et al. (2025) An untargeted metabolomic analysis of acute AFB1 treatment in liver, breast, and lung cells. *PloS one*, 20(1), e0313159.

Radenkovic S, et al. (2024) Neural and metabolic dysregulation in PMM2-deficient human in vitro neural models. *Cell reports*, 43(3), 113883.

Wieder C, et al. (2024) PathIntegrate: Multivariate modelling approaches for pathway-based multi-omics data integration. *PLoS computational biology*, 20(3), e1011814.

Mukha D, et al. (2024) Identification of Fasnall as a therapeutically effective Complex I inhibitor. *bioRxiv : the preprint server for biology*.

Vazquez-Medina A, et al. (2024) Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism along the microbiota-gut-brain axis. *Frontiers in microbiology*, 15, 1326584.

Karagiannis D, et al. (2024) Metabolic reprogramming by histone deacetylase inhibition preferentially targets NRF2-activated tumors. *Cell reports*, 43(1), 113629.

Wang C, et al. (2024) A multidimensional atlas of human glioblastoma-like organoids reveals highly coordinated molecular networks and effective drugs. *NPJ precision oncology*, 8(1), 19.

Jaroensuk J, et al. (2024) A versatile in situ cofactor enhancing system for meeting cellular demands for engineered metabolic pathways. *The Journal of biological chemistry*, 300(2), 105598.

Liu W, et al. (2024) Identification and validation of serum metabolite biomarkers for endometrial cancer diagnosis. *EMBO molecular medicine*, 16(4), 988.

Wieder C, et al. (2024) PathIntegrate: Multivariate modelling approaches for pathway-based multi-omics data integration. *bioRxiv : the preprint server for biology*.

Xu X, et al. (2024) Investigating causal associations among gut microbiota, metabolites, and psoriatic arthritis: a Mendelian randomization study. *Frontiers in microbiology*, 15, 1287637.

Qin M, et al. (2024) Ultra-High-Performance Liquid Chromatography-High-Definition Mass Spectrometry-Based Metabolomics to Reveal the Potential Anti-Arthritic Effects of *Illicium verum* in Cultured Fibroblast-like Synoviocytes Derived from Rheumatoid Arthritis. *Metabolites*, 14(10).

Viehof A, et al. (2024) The human intestinal bacterium *Eggerthella lenta* influences gut metabolomes in gnotobiotic mice. *Microbiome research reports*, 3(2), 14.

Mitchell JM, et al. (2024) Common data models to streamline metabolomics processing and annotation, and implementation in a Python pipeline. *PLoS computational biology*, 20(6), e1011912.