Resource Summary Report

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MetaboLights

RRID:SCR_014663
Type: Tool

Proper Citation

MetaboLights (RRID:SCR_014663)

Resource Information

URL: https://www.ebi.ac.uk/metabolights/

Proper Citation: MetaboLights (RRID:SCR_014663)

Description: A cross-species, cross-technique database for metabolomics experiments, data, and derived information. It includes metabolite structures and their reference spectra, their biological roles, locations and concentrations, and experimental data from metabolic experiments.

Synonyms: MetaboLights

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

Keywords: metabolomics, database, structure, spectra, experimental data

Funding: BBSRC BB/L024152/1

Availability: Publicly available, The community can contribute to this resource

Resource Name: MetaboLights

Resource ID: SCR_014663

License URLs: https://www.ebi.ac.uk/about/terms-of-use

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250425T060026+0000

Ratings and Alerts

No rating or validation information has been found for MetaboLights.

No alerts have been found for MetaboLights.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 636 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Sacchettino L, et al. (2025) Altered microbiome and metabolome profiling in fearful companion dogs: An exploratory study. PloS one, 20(1), e0315374.

Nobert S, et al. (2025) Assessing metal-induced glycation in French fries. Metallomics : integrated biometal science, 17(1).

Yang M, et al. (2025) S100P is a ferroptosis suppressor to facilitate hepatocellular carcinoma development by rewiring lipid metabolism. Nature communications, 16(1), 509.

Braakman R, et al. (2025) Global niche partitioning of purine and pyrimidine cross-feeding among ocean microbes. Science advances, 11(1), eadp1949.

Onji M, et al. (2025) RANK drives structured intestinal epithelial expansion during pregnancy. Nature, 637(8044), 156.

Chen W, et al. (2025) Universal, untargeted detection of bacteria in tissues using metabolomics workflows. Nature communications, 16(1), 165.

Chen Y, et al. (2025) Comparative transcriptomics and metabolomics provide insight into degeneration-related physiological mechanisms of Morchella importuna after long-term preservation. Microbial biotechnology, 18(1), e70045.

Thaitumu MN, et al. (2025) LC-MS-Based Global Metabolic Profiles of Alternative Blood Specimens Collected by Microsampling. Metabolites, 15(1).

Brombacher E, et al. (2025) Characterizing the omics landscape based on 10,000+ datasets. Scientific reports, 15(1), 3189.

Li S, et al. (2025) Maternal group B Streptococcus decreases infant length and alters the early-life microbiome: a prospective cohort study. Annals of medicine, 57(1), 2442070.

Kosaka Y, et al. (2025) Autonomous ribosome biogenesis in vitro. Nature communications, 16(1), 514.

Rogers AB, et al. (2025) HoloFood Data Portal: holo-omic datasets for analysing host-microbiota interactions in animal production. Database : the journal of biological databases and curation, 2025.

Secomandi E, et al. (2025) Biochemical, photosynthetic and metabolomics insights of single and combined effects of salinity, heat, cold and drought in Arabidopsis. Physiologia plantarum, 177(1), e70062.

Kasapi M, et al. (2024) LAVASET: Latent Variable Stochastic Ensemble of Trees. An ensemble method for correlated datasets with spatial, spectral, and temporal dependencies. Bioinformatics (Oxford, England), 40(3).

Yurekten O, et al. (2024) MetaboLights: open data repository for metabolomics. Nucleic acids research, 52(D1), D640.

Zhang Z, et al. (2024) Integrated omics analysis reveals the alteration of gut microbiota and fecal metabolites in Cervus elaphus kansuensis. Applied microbiology and biotechnology, 108(1), 125.

Cheng S, et al. (2024) Multi-omics of the gut microbial ecosystem in patients with microsatellite-instability-high gastrointestinal cancer resistant to immunotherapy. Cell reports. Medicine, 5(1), 101355.

Yao Y, et al. (2024) Response of soybean root exudates and related metabolic pathways to low phosphorus stress. PloS one, 19(12), e0314256.

Price E, et al. (2024) What is the real value of omics data? Enhancing research outcomes and securing long-term data excellence. Nucleic acids research, 52(20), 12130.

Sanchez JI, et al. (2024) Metabolomics biomarkers of hepatocellular carcinoma in a prospective cohort of patients with cirrhosis. JHEP reports : innovation in hepatology, 6(8), 101119.