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, data repository, database, service resource, storage service resource

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

Alternate IDs: r3d100011556

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

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260919T195300+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 889 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Zhou Q, et al. (2026) Western Diet Inhibits FUT7-Mediated Treg Intestinal Homing to Disrupt the Homeostasis of Intestinal Epithelial Cells in Crohn's Disease. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(13), e09541.

Li Y, et al. (2026) Metabolomic and metagenomic insights into WFBG-mediated regulation of gut microbiota and metabolism in broilers. Applied and environmental microbiology, 92(1), e0189025.

Yang Y, et al. (2026) Porphyrin-Linked Antifungal Nanocarrier Promotes Plant Growth via UV RESISTANCE LOCUS 8-Mediated Light Signalling Activation. Plant biotechnology journal, 24(3), 1518.

Arnst TF, et al. (2026) Optimizing multiomics sample preparation: comparative evaluation of extraction protocols for HepG2 cells. Analytical and bioanalytical chemistry, 418(3), 813.

Wang Q, et al. (2026) Plasma multi-omics profiling unravels molecular alterations and biomarker panels during recovery from severe coronavirus disease 2019: a pilot study. BMC infectious diseases, 26(1).

Chi Y, et al. (2026) Assessing the metabolomics "dark matter" by a detectable khipu model. Metabolomics : Official journal of the Metabolomic Society, 22(3).

Mannochio-Russo H, et al. (2026) Pan-Metabolomics Repository Mapping of the Carnitine Landscape. bioRxiv : the preprint server for biology.

Laimer-Digruber A, et al. (2026) Bacterial extracellular vesicles as recyclable nutrient reservoirs. Nature communications, 17(1).

Theodorou A, et al. (2026) A Universal Framework for Blood Ionome Extraction and Intelligent Quality Control in 1H NMR Metabolomics. Analytical chemistry, 98(17), 12647.

Boscaini S, et al. (2026) Habitual coffee intake shapes the gut microbiome and modifies host physiology and cognition. Nature communications, 17(1).

Ciach MA, et al. (2026) spatialstein: An Open-Source Workflow for Annotation, Deconvolution, and Spatially Aware Segmentation of Mass Spectrometry Imaging Data.

Analytical chemistry, 98(1), 364.

Stanford J, et al. (2026) Contrasting dietary patterns remodel gut microbial function and generate multi-omic signatures associated with cardiometabolic markers. Gut microbes, 18(1), 2685381.

Shi Y, et al. (2026) Key metabolites secreted by Chlorella vulgaris alleviate salt stress in soybean seedlings. Journal of integrative plant biology, 68(7), 2018.

He Y, et al. (2026) IL-33-Driven Macrophage Reprogramming as a Potential Immunometabolic Strategy for Herpes Simplex Keratitis. Pharmaceuticals (Basel, Switzerland), 19(2).

MacLeod AK, et al. (2026) Untargeted metabolomics for triaging of cytochrome b inhibitors during Chagas' disease drug discovery. PLoS neglected tropical diseases, 20(1), e0013917.

Zeng S, et al. (2026) Butyrate ameliorates doxorubicin-induced heart failure by inhibiting cardiomyocyte ferroptosis through the gut-heart axis. iScience, 29(2), 114754.

Ying H, et al. (2026) Connexin43 Deficiency Leads to Ventricular Arrhythmias by Reprogramming Proline Metabolism. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(19), e16090.

Marino C, et al. (2026) Untargeted 1H NMR-based metabolomics unveils distinct circulating biochemical signatures between treatment-resistant and non-treatment-resistant schizophrenia patients: a pilot study. Translational psychiatry, 16(1).

Wang H, et al. (2026) GRSF1 Protects Against Heart Failure by Maintaining BCAA Homeostasis. Circulation, 153(10), 736.

Radke K, et al. (2026) Repurposing statins and phenothiazines to treat chemoresistant neuroblastoma. EMBO molecular medicine, 18(2), 433.