

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 7, 2026

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: 20260905T132749+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 [PRECISE-TBI](#) .

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.

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.

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).

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.

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).

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

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

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.

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.

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.

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

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

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).

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.

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.