

Resource Summary Report

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Metabolomics Fiehn Lab

RRID:SCR_008311

Type: Tool

Proper Citation

Metabolomics Fiehn Lab (RRID:SCR_008311)

Resource Information

URL: <http://fiehnlab.ucdavis.edu/>

Proper Citation: Metabolomics Fiehn Lab (RRID:SCR_008311)

Description: Develops improved methods in analytical chemistry and bioinformatics to capture and utilize metabolomic data. These tools are employed to understand, which parts of larger biochemical networks respond to genetic perturbation or environmental stress.

Synonyms: UCDavis Fiehn Lab

Resource Type: data or information resource, laboratory portal, organization portal, portal

Keywords: analytical chemistry and bioinformatics methods, utilize metabolomic data, genetic perturbation, environmental stress

Availability: Free, Freely available

Resource Name: Metabolomics Fiehn Lab

Resource ID: SCR_008311

Alternate IDs: nif-0000-24414

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260912T200013+0000

Ratings and Alerts

No rating or validation information has been found for Metabolomics Fiehn Lab.

No alerts have been found for Metabolomics Fiehn Lab.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Benjamin G, et al. (2025) Nitrogen-fixing symbiosis induces differential accumulation of *Medicago truncatula* leaf defence metabolites in response to pea aphid infestation. *Frontiers in plant science*, 16, 1670344.

Sun B, et al. (2025) The gut dysbiosis and plasma lipid metabolisms signatures in children with active tuberculosis. *BMC microbiology*, 25(1), 425.

Jiao R, et al. (2024) Lipid metabolism analysis in esophageal cancer and associated drug discovery. *Journal of pharmaceutical analysis*, 14(1), 1.

Sandström H, et al. (2024) Data-Driven Compound Identification in Atmospheric Mass Spectrometry. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(8), e2306235.

Wu N, et al. (2024) Dynamic alterations and ecological implications of rice rhizosphere bacterial communities induced by an insect-transmitted reovirus across space and time. *Microbiome*, 12(1), 189.

Zhu Y, et al. (2023) Untargeted and targeted mass spectrometry reveal the effects of theanine on the central and peripheral metabolomics of chronic unpredictable mild stress-induced depression in juvenile rats. *Journal of pharmaceutical analysis*, 13(1), 73.

Sun B, et al. (2023) Exploration of Lipid Metabolism Alterations in Children with Active Tuberculosis Using UHPLC-MS/MS. *Journal of immunology research*, 2023, 8111355.

Sun Y, et al. (2023) Indoor metabolites and chemicals outperform microbiome in classifying childhood asthma and allergic rhinitis. *Eco-Environment & Health*, 2(4), 208.

Yan G, et al. (2023) Differences in Organic Solute and Metabolites of *Leymus chinensis* in Response to Different Intensities of Salt and Alkali Stress. *Plants (Basel, Switzerland)*, 12(9).

Li M, et al. (2022) Comparing the Profiles of Raw and Cooked Donkey Meat by Metabonomics and Lipidomics Assessment. *Frontiers in nutrition*, 9, 851761.

Meng Y, et al. (2022) Analysis of chemotypes and their markers in leaves of core collections of *Eucommia ulmoides* using metabolomics. *Frontiers in plant science*, 13, 1029907.

Gao H, et al. (2021) Changes of Lipopolysaccharide-Induced Acute Kidney and Liver Injuries in Rats Based on Metabolomics Analysis. *Journal of inflammation research*, 14,

1807.

Peng Y, et al. (2021) Metabolomic-based clinical studies and murine models for acute pancreatitis disease: A review. *Biochimica et biophysica acta. Molecular basis of disease*, 1867(7), 166123.

Misra BB, et al. (2021) New software tools, databases, and resources in metabolomics: updates from 2020. *Metabolomics : Official journal of the Metabolomic Society*, 17(5), 49.

Mangmee S, et al. (2020) Lipid profile of *Trichinella papuae* muscle-stage larvae. *Scientific reports*, 10(1), 10125.

Feng G, et al. (2020) A visible-light activated [2 + 2] cycloaddition reaction enables pinpointing carbon-carbon double bonds in lipids. *Chemical science*, 11(27), 7244.

Hafeezunnisa M, et al. (2020) The Rho-Dependent Transcription Termination Is Involved in Broad-Spectrum Antibiotic Susceptibility in *Escherichia coli*. *Frontiers in microbiology*, 11, 605305.

Yang B, et al. (2018) Monitoring tyrosine kinase inhibitor therapeutic responses with a panel of metabolic biomarkers in chronic myeloid leukemia patients. *Cancer science*, 109(3), 777.

Kind T, et al. (2006) Metabolomic database annotations via query of elemental compositions: mass accuracy is insufficient even at less than 1 ppm. *BMC bioinformatics*, 7, 234.