

Resource Summary Report

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XCMS

RRID:SCR_015538

Type: Tool

Proper Citation

XCMS (RRID:SCR_015538)

Resource Information

URL: <https://xcmsonline.scripps.edu>

Proper Citation: XCMS (RRID:SCR_015538)

Description: Cloud-based mass spectrometry data processing platform for metabolomics and lipidomics.

Synonyms: XCMS Online

Resource Type: data or information resource, database

Keywords: platform, metabolomics, lipidomics, mass spectrometry, mass spectrometry platform, FASEB list

Funding:

Availability: Available for purchase

Resource Name: XCMS

Resource ID: SCR_015538

License URLs: https://xcmsonline.scripps.edu/landing_page.php?pgcontent=termsOfUse
https://xcmsonline.scripps.edu/landing_page.php?pgcontent=privacyPolicy

Record Creation Time: 20220129T080326+0000

Record Last Update: 20250507T061101+0000

Ratings and Alerts

No rating or validation information has been found for XCMS.

No alerts have been found for XCMS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1514 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Zheng C, et al. (2025) Integrative Omics Analysis Reveals Mechanisms of Anthocyanin Biosynthesis in Djulis Spikes. *Plants (Basel, Switzerland)*, 14(2).

Yuan JD, et al. (2025) Heat Tolerance Differences Between Hu Sheep and Hu Crossbred Sheep in Microbial Community Structure and Metabolism. *Metabolites*, 15(1).

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

Hou CC, et al. (2025) Specific plasma metabolite profile in intestinal Behçet's syndrome. *Orphanet journal of rare diseases*, 20(1), 21.

Wu W, et al. (2025) Modulation of glymphatic system by visual circuit activation alleviates memory impairment and apathy in a mouse model of Alzheimer's disease. *Nature communications*, 16(1), 63.

Li T, et al. (2025) Free-caged rearing modes regulate chicken intestinal metabolism by influencing gut microbial homeostasis. *Poultry science*, 104(1), 104381.

Wang J, et al. (2025) Characteristic alterations of gut microbiota and serum metabolites in patients with chronic tinnitus: a multi-omics analysis. *Microbiology spectrum*, 13(1), e0187824.

Tan B, et al. (2025) Combining untargeted and targeted metabolomic profiling reveals principal differences between osteopenia, Osteoporosis and healthy controls. *Aging clinical and experimental research*, 37(1), 28.

He M, et al. (2025) Metabolomics and Transcriptomics Reveal the Effects of Different Fermentation Times on Antioxidant Activities of *Ophiocordyceps sinensis*. *Journal of fungi (Basel, Switzerland)*, 11(1).

Shao Y, et al. (2025) Cordycepin affects *Streptococcus mutans* biofilm and interferes with its metabolism. *BMC oral health*, 25(1), 25.

Kolnes KJ, et al. (2025) Effects of seven days' fasting on physical performance and metabolic adaptation during exercise in humans. *Nature communications*, 16(1), 122.

Shan C, et al. (2025) Exploring the Mechanism of *Clostridium autoethanogenum* Protein for Broiler Growth Based on Gut Microbiota and Serum Metabolomics. *Biology*, 14(1).

Liu Q, et al. (2025) Integrated transcriptome and metabolome analysis of liver reveals unsynchronized growth mechanisms in blunt-snout bream (*Megalobrama amblycephala*). *BMC genomics*, 26(1), 30.

Ancel L, et al. (2025) Metabolomics identifies plasma biomarkers of localized radiation injury. *Scientific reports*, 15(1), 2166.

Pal Mahadevan V, et al. (2025) Preference for and resistance to a toxic sulfur volatile opens up a unique niche in *Drosophila busckii*. *Nature communications*, 16(1), 767.

Song XQ, et al. (2025) Copy number amplification of *FLAD1* promotes the progression of triple-negative breast cancer through lipid metabolism. *Nature communications*, 16(1), 1241.

Geng J, et al. (2025) Moderate-intensity interval exercise exacerbates cardiac lipotoxicity in high-fat, high-calories diet-fed mice. *Nature communications*, 16(1), 613.

Liu C, et al. (2025) A chromosome-scale genome assembly of the pioneer plant *Stylosanthes angustifolia*: insights into genome evolution and drought adaptation. *GigaScience*, 14.

Ma Y, et al. (2025) Comparative metabolomics reveals eggshell translucency formation using LC-MS Analysis. *Poultry science*, 104(1), 104623.

Xiao M, et al. (2025) Influence of Drying Methods on the Morphological Features, Microstructural Properties, and Antioxidant Performance of *Floccularia luteovirens*: A Metabolomic Analysis. *Journal of fungi (Basel, Switzerland)*, 11(1).