

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: database, data or information resource

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

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: 20260808T190439+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

Usage and Citation Metrics

We found 2067 mentions in open access literature.

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

He P, et al. (2027) Key molecular networks underlying retinol's biphasic effects on cell proliferation through multi-omics integrative analysis using genome-scale metabolic modeling. *Synthetic and systems biotechnology*, 15, 43.

Yang J, et al. (2026) Temporal Metabolomics Profiling Reveals Liver Metabolic Control in Single and Repeated Exhaustive Exercise in Murine Models. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(9), e71868.

Li D, et al. (2026) Artificial intelligence-driven integration of multi-biofluid omics and clinical phenotype enables stratification of endometrial cancer. *Cell reports. Medicine*, 7(6), 102805.

Goodin DA, et al. (2026) Glioblastoma region-specific metabolic signatures reflect patient survival duration. *Journal of neuro-oncology*, 177(3).

Zhao C, et al. (2026) Mediation of sphingolipid metabolism on the relationship between human nitrosamines exposure and esophageal cancer risk. *Scientific reports*, 16(1).

Zhu K, et al. (2026) Integrated metabolome and microbiome analysis deciphers the effects of resveratrol and γ -hydroxy- γ -methylbutyric acid on jejunal function under different protein levels in Tibetan sheep. *Microbiology spectrum*, 14(3), e0284325.

Capatina AL, et al. (2026) Artemether and Euphorbia factor L9 suppress kynurenine production through distinct effects on tryptophan metabolism. *The Biochemical journal*, 483(4), 541.

Wang Y, et al. (2026) Enhancement of Disease Resistance in Pengze Crucian Carp (*Carassius auratus* var. Pengze) by Carvacrol Through Modulation of Intestinal Microbiota and Serum Metabolism. *Metabolites*, 16(3).

Xu W, et al. (2026) Integrating metabolomics and machine learning with in silico analysis to identify early biomarkers and molecular interactions in sepsis-associated acute kidney injury. *Scientific reports*, 16(1).

Yin J, et al. (2026) Integrated Physiological, Transcriptomic and Metabolomic Analyses Provide Insights into the Adaptive Mechanism of *Salix viminalis* Roots in Response to Cadmium Stress. *Plants (Basel, Switzerland)*, 15(7).

Gou W, et al. (2026) Integrative transcriptomic and metabolomic analysis reveals key genes and regulatory networks underlying seed germination in *Polygonatum sibiricum*. *BMC genomics*, 27(1).

Babuta J, et al. (2026) Altered Sphingolipid Metabolism is Associated with Osimertinib Resistance in Nonsmall-Cell Lung Cancer. *Journal of proteome research*, 25(5), 2569.

Zhang R, et al. (2026) Multi-Omics Analyses Reveal Metabolic Alterations Regulated by Orf Virus in Primary Ovine Fetal Turbinate Cells. *Viruses*, 18(2).

Ma J, et al. (2026) Early Growth and Serum Metabolic Profiling of One-Month-Old MSTN-Knockout Xinjiang Brown Cattle via CRISPR/Cas12Mix. *Animals : an open access journal from MDPI*, 16(4).

Wang B, et al. (2026) Multi-omics-based metabolomic kinetics study of corn stover fermented by combined probiotic and enzymatic treatment. *BMC microbiology*, 26(1).

Hu S, et al. (2026) Effects of aerobic exercise on inflammation and gut microbiota in obese mice: a metagenomic and metabolomic analysis. *Journal of translational medicine*, 24(1).

Su Y, et al. (2026) Multi-omics-based characterization and differentiation of fecal microbiota and metabolite profiles in high- and low-yielding laying hens. *Poultry science*, 105(9), 107003.

Rix T, et al. (2026) Lipid Class Prediction from MS1 Data using Gaussian Graphical Models. *Analytical chemistry*, 98(21), 15379.

Li W, et al. (2026) ThLaeA functions as a conditional repressor to maintain metabolic homeostasis in *Trichoderma hypoxylon*. *mBio*, 17(6), e0018926.

Zhu YJ, et al. (2026) Amonafide Targeting NTSR1-PI3K/AKT/mTOR Signaling Attenuates Vascular Remodeling in Pulmonary Arterial Hypertension. *Journal of the American Heart Association*, 15(10), e045580.