

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

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: 20260801T191013+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 1803 mentions in open access literature.

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

Xu J, et al. (2026) Omnivorous feeding modulates meat quality and flavor in Xinghua and White Recessive Rock chickens: A metabolomic exploration of breed-specific metabolic pathways. *Poultry science*, 105(1), 106211.

Zhang C, et al. (2026) Multi-omics reveals gut microbiota-mediated environmental adaptation in Mallards and domesticated Shaoxing ducks. *Poultry science*, 105(1), 106177.

Zhang J, et al. (2026) PHGDH-dependent serine metabolism in astrocytes: A key regulator of oxidative stress and pyroptosis in cerebral ischemia-reperfusion injury. *Redox biology*, 89, 103954.

Song Y, et al. (2026) Comprehensive serum, follicular fluid, and ovarian tissue profiling reveals systemic metabolic alterations in high-yielding dairy cows with postpartum inactive ovaries. *BMC veterinary research*, 22(1), 2.

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.

Sowton AP, et al. (2025) Chronic inorganic nitrate supplementation does not improve metabolic health and worsens disease progression in mice with diet-induced obesity. *American journal of physiology. Endocrinology and metabolism*, 328(1), E69.

Wang J, et al. (2025) Multi-omics analysis reveals Jianpi formula-derived bioactive peptide-YG-22 potentially inhibited colorectal cancer via regulating epigenetic reprogram and signal pathway regulation. *Frontiers in genetics*, 16, 1560172.

Persaud M, et al. (2025) Untargeted Metabolomics and Targeted Phytohormone Profiling of Sweet Aloes (*Euphorbia neriifolia*) from Guyana: An Assessment of Asthma Therapy Potential in Leaf Extracts and Latex. *Metabolites*, 15(3).

He L, et al. (2025) Metabolomics Profiling Reveals Critical Roles of Indoxyl Sulfate in the Regulation of Innate Monocytes in COVID-19. *Cells*, 14(4).

Liu XW, et al. (2025) Exploring the effects of quercetin-added pancreatic diet on metabolic homeostasis in dogs via metabolomics. *PloS one*, 20(2), e0318159.

Sanchez-Lucas R, et al. (2025) Elicitor Specific Mechanisms of Defence Priming in Oak Seedlings Against Powdery Mildew. *Plant, cell & environment*, 48(6), 4455.

Saraphol B, et al. (2025) Analysis of the fecal microbiome and metabolome in dairy cows with different body condition scores. *PloS one*, 20(3), e0319461.

Yin X, et al. (2025) Pathogenic germline variants in Chinese pancreatic adenocarcinoma patients. *Nature communications*, 16(1), 2214.

Wen H, et al. (2025) Transcriptome and metabolite conjoint analysis reveals the seed dormancy release process of perilla. *Scientific reports*, 15(1), 7763.

Tian J, et al. (2025) Transcriptomic and metabolomic-based revelation of the effect of fresh corn extract on meat quality of Jingyuan chicken. *Poultry science*, 104(2), 104814.

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).

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.

Zhang JD, et al. (2025) Integrated seminal plasma metabolomics and lipidomics profiling highlight distinctive signature of varicocele patients with male infertility. *Asian journal of andrology*, 27(5), 646.

Jiang C, et al. (2025) NR4A1 suppresses breast cancer growth by repressing c-Fos-mediated lipid and redox dyshomeostasis. *Experimental & molecular medicine*, 57(4), 804.

Jiang Y, et al. (2025) Targeting B7-H3 inhibition-induced activation of fatty acid synthesis boosts anti-B7-H3 immunotherapy in triple-negative breast cancer. *Journal for immunotherapy of cancer*, 13(4).