

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: 20260729T044405+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 [T1D](#) .

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.

Hu X, et al. (2025) The ALDH2/PolG2 axis enhances mitochondrial biogenesis via transcriptional regulation of Nrf2 and promotes chemotherapy resistance in acute myeloid leukaemia. *Cell death & disease*, 16(1), 616.

Feng J, et al. (2025) Effects of *Mytilus edulis* derived plasmalogens against atherosclerosis via lipid metabolism and MAPK signaling pathway. *NPJ science of food*, 9(1), 178.

Liu C, et al. (2025) Metabolomics for origin traceability of lamb: An ensemble learning approach based on random forest recursive feature elimination. *Food chemistry: X*, 29, 102856.

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.

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.

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

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.

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.

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.

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.

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.

Yao QH, et al. (2025) Effects of dietary alginate oligosaccharides on meat quality, oxidative stability and metabolome of the thigh muscle in heat-stressed broilers. *Poultry science*, 104(12), 106005.