

# Resource Summary Report

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## MetaboAnalyst

RRID:SCR\_015539

Type: Tool

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### Proper Citation

MetaboAnalyst (RRID:SCR\_015539)

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### Resource Information

**URL:** <https://www.metaboanalyst.ca/>

**Proper Citation:** MetaboAnalyst (RRID:SCR\_015539)

**Description:** Web server for statistical, functional and integrative analysis of metabolomics data. Web based tool suite used for metabolomic data processing, normalization, multivariate statistical analysis, and data annotation, biomarker discovery and classification.

**Synonyms:** MetaboAnalyst 4.0, MetaboAnalyst 3.0

**Resource Type:** analysis service resource, data access protocol, data analysis service, production service resource, service resource, software resource, web service

**Defining Citation:** [PMID:29762782](#)

**Keywords:** statistical, functional, integrative, analysis, metabolomics, data, processing, annotation, biomarker, discovery

**Funding:** Alberta Ingenuity Fund ;  
Alberta Life Sciences Institute ;  
Canada Research Chairs Program ;  
Canadian Institutes for Health Research ;  
Genome Alberta ;  
Genome Canada ;  
McGill University ;  
Natural Sciences and Engineering Research Council of Canada

**Availability:** Free, Available for download, Freely available, Tutorial available, Acknowledgement requested

**Resource Name:** MetaboAnalyst

**Resource ID:** SCR\_015539

**Alternate IDs:** SCR\_016717

**Old URLs:** <http://old.metaboanalyst.ca/MetaboAnalyst/>

**License:** GNU GPL

**Record Creation Time:** 20220129T080326+0000

**Record Last Update:** 20260905T132756+0000

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## Ratings and Alerts

No rating or validation information has been found for MetaboAnalyst.

No alerts have been found for MetaboAnalyst.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 13689 mentions in open access literature.

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

Davis FA, et al. (2026) Bacterial metabolites induce cell wall remodeling, antifungal resistance, and immune recognition of commensal fungi. *Current biology : CB*, 36(3), 674.

Monti M, et al. (2026) Integrating interferon gamma receptor pathways, antigenicity, and immune contexture as predictors of immunotherapeutic strategies for mucosal melanomas. *Journal for immunotherapy of cancer*, 14(3).

Tao H, et al. (2026) NSD1-Mediated PPAR?? Methylation Enhances PTEN Activity to Suppress Glycolysis and Tumor Progression in Endometrial Cancer. *Cancer research*, 86(10), 2464.

Wintz K, et al. (2026) In-depth characterization of the CaV2.2-knockout mouse line. *Scientific reports*, 16(1).

Weinberg F, et al. (2026) Integrative Analysis of Multiomic Pathways Predicts Cancer-Affected Lobes in Lung Cancer. *Cancer prevention research (Philadelphia, Pa.)*, 19(4), 229.

Funk AM, et al. (2026) A Urinary Three-Metabolite Signature Enables Noninvasive Identification of Patients with High-Risk Ovarian Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(14), 2968.

Schauer IE, et al. (2026) Effects of a Reprometabolic Syndrome-Inducing Eucaloric High-Fat Diet on Insulin Sensitivity, Body Composition, the Lipidome, and the Microbiome. *Metabolites*, 16(5).

Kong JY, et al. (2026) Cross-site oral and esophageal microbiome signatures define diagnostic patterns and reveal mechanistic drivers of ESCC. *iScience*, 29(8), 116667.

Jiang X, et al. (2026) USP20-Driven Cholesterol Metabolism Links Inflammatory Signaling to Malignancy and Stromal Coevolution in Pancreatic Cancer. *Cancer research*, 86(3), 712.

Bozon K, et al. (2026) Timing of NAD Deficiency During Organogenesis Dictates Defect Type and Penetrance. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(3), e71504.

Aussel A, et al. (2026) Tumor metabolic adaptation induced by L-asparaginase reveals a vulnerability to PARP1/2 inhibitor in B-cell lymphomas. *Nature communications*, 17(1).

Nassar A, et al. (2026) Ex-vivo culture of human hypertrophic cardiomyopathy hearts: Functional and metabolic changes during long-term culture. *iScience*, 29(4), 115308.

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.

Chen D, et al. (2026) Spatially Resolved Multiomics Reveals Metabolic Remodeling and Autophagy Activation in Adamantinomatous Craniopharyngiomas. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e16965.

Goupille L, et al. (2026) Targeting systemic and tumor metabolic balances with ketogenic diets enhance efficacy of therapy in FLT3-ITD acute myeloid leukemia. *Cell reports*, 45(4), 117185.

Pileggi CA, et al. (2026) Functional and metabolomic analyses of brown adipose tissue during cold-deacclimation reveal rapid N-acetylated amino acid adaptations. *iScience*, 29(4), 115146.

Pan CH, et al. (2026) Mitochondrial-Localized Keratin 17 Promotes Chemoresistance in Basal-like Pancreatic Cancer. *Cancer research*, 86(12), 2935.

Wu N, et al. (2026) Arginine deprivation enhances ASS1-negative glioblastoma radiosensitivity via epigenetic silencing of DNA repair genes. *Cell death & disease*.

Sabatier M, et al. (2026) GPX4 Inhibitor Resistance and Metastatic Features in Triple-Negative Breast Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(23), e23198.

Pasquero S, et al. (2026) Targeting peptidyl-arginine deiminase 4 suppresses SARS-CoV-2 replication and modulates the inflammatory response. *iScience*, 29(3), 115038.