

Resource Summary Report

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Metscape

RRID:SCR_014687

Type: Tool

Proper Citation

Metscape (RRID:SCR_014687)

Resource Information

URL: <http://metscape.ncibi.org>

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Description: A software program that allows users to visualize and interpret human metabolim and expression profiling data by providing users with a bioinformatics framework. Its features include bulding and analyzing networks of genes and compounds, identifying enriched pathways from expression profiling data, and visualizing changes in metabolite data.

Resource Type: resource, source code, software resource

Defining Citation: [PMID:22135418](#)

Keywords: metabolomics, metabolomics tool, visualization, expression profiling, gene, compound, metabolism, human

Funding: NIDDK U24 DK097153;
NIDDK P30DK089503

Availability: Freely available

Resource Name: Metscape

Resource ID: SCR_014687

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260729T044334+0000

Ratings and Alerts

No rating or validation information has been found for Metscape .

No alerts have been found for Metscape .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 145 mentions in open access literature.

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

Tamura Y, et al. (2025) Co-expression of B7-H3 and LAG3 represents cytotoxicity of CD4+ T cells in humans. *Frontiers in immunology*, 16, 1560383.

Qu J, et al. (2025) Oxidative stress-mediated abnormal polarization of decidual macrophages promotes the occurrence of atonic postpartum hemorrhage. *Redox biology*, 81, 103530.

Madhan S, et al. (2025) Rhizobial, passenger nodule endophytes and phyllosphere bacteria in combination with acyl homoserine lactones enhances the growth and yield of groundnut. *Biotechnology reports (Amsterdam, Netherlands)*, 46, e00893.

Sun J, et al. (2025) Schisandrin B exerts anti-colorectal cancer effect through CXCL2/ERK/DUSP11 signaling pathway. *Cancer cell international*, 25(1), 97.

Ramzy A, et al. (2025) Metabolomic analysis reveals key changes in amino acid metabolism in colorectal cancer patients. *Amino acids*, 57(1), 22.

Gollowitzer A, et al. (2025) Attenuated growth factor signaling during cell death initiation sensitizes membranes towards peroxidation. *Nature communications*, 16(1), 1774.

Fakhari S, et al. (2025) Shear stress effects on epididymal epithelial cell via primary cilia mechanosensory signaling. *Journal of cellular physiology*, 240(1), e31475.

Casaro S, et al. (2025) Multi-omics integration and immune profiling identify possible causal networks leading to uterine microbiome dysbiosis in dairy cows that develop metritis. *Animal microbiome*, 7(1), 4.

Yang Q, et al. (2025) Integrated multi-omics analysis and experimental verification reveal the involvement of the PI3K/Akt signaling pathway in myometrial fibrosis of adenomyosis. *Scientific reports*, 15(1), 13637.

Yadav K, et al. (2025) Pancancer analysis of DNA damage repair gene mutations and their impact on immune regulatory gene expression. *Scientific reports*, 15(1), 15667.

Zaher DM, et al. (2025) Identifying the Impact of RelA Overexpression in Triple-Negative Breast Cancer Cells Using Mass Spectroscopy-based Proteomics and Metabolomics Analysis. *Chemistry & biodiversity*, e00717.

Pacheco-Fernandez T, et al. (2025) Protocol for identifying immune mediators during Leishmania infection in mice using metabolomic analysis. STAR protocols, 6(3), 103817.

Huang B, et al. (2024) Identification of key regulatory molecules in the early development stage of Alzheimer's disease. Journal of cellular and molecular medicine, 28(6), e18151.

Zubeldia-Varela E, et al. (2024) The impact of high-IgE levels on metabolome and microbiome in experimental allergic enteritis. Allergy, 79(12), 3430.

Su B, et al. (2024) Mechanism of Fuzheng Qudu prescription in the treatment of lung cancer based on network pharmacology and experimental validation. Heliyon, 10(18), e37546.

Weh KM, et al. (2024) Prebiotic proanthocyanidins inhibit bile reflux-induced esophageal adenocarcinoma through reshaping the gut microbiome and esophageal metabolome. JCI insight, 9(6).

Liu X, et al. (2024) Network Pharmacology and Metabolomics Reveal Anti-Ferroptotic Effects of Curcumin in Acute Kidney Injury. Drug design, development and therapy, 18, 6223.

Faqui T, et al. (2024) Steroid Hormone Biosynthesis and Dietary Related Metabolites Associated with Excessive Daytime Sleepiness. medRxiv : the preprint server for health sciences.

Casaro S, et al. (2024) Integrating uterine microbiome and metabolome to advance the understanding of the uterine environment in dairy cows with metritis. Animal microbiome, 6(1), 30.

Wang P, et al. (2024) Novel insights into the circadian modulation of lipid metabolism in chicken livers revealed by RNA sequencing and weighted gene co-expression network analysis. Poultry science, 103(12), 104321.