

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, software resource, source code

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: 20260728T043442+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 [kravitz2](#) .

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.

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

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

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.
- 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.
- Zubeldia-Varela E, et al. (2024) The impact of high-IgE levels on metabolome and microbiome in experimental allergic enteritis. *Allergy*, 79(12), 3430.
- 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).
- Faquih T, et al. (2024) Steroid Hormone Biosynthesis and Dietary Related Metabolites Associated with Excessive Daytime Sleepiness. *medRxiv : the preprint server for health sciences*.
- 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.
- 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.
- 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.