

Resource Summary Report

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CEU Mass Mediator

RRID:SCR_022090

Type: Tool

Proper Citation

CEU Mass Mediator (RRID:SCR_022090)

Resource Information

URL: <http://ceumass.eps.uspceu.es/>

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Description: Software tool for searching metabolites in different databases including Kegg, HMDB, LipidMaps, Metlin, NP Atlas, KNApSack, MINE and in house library. Designed for searches through experimental masses obtained from mass spectrometry techniques. Metabolite annotation tool that uses expert system to score putative annotation based on analytical information acquired under different configurations.

Abbreviations: CMM

Synonyms: CEU Mass Mediator version 3.0, CMM 2.0, CMM 3.0, CEU Mass Mediator 2.0

Resource Type: software resource, data access protocol, web service

Defining Citation: [DOI:10.1016/j.jpba.2018.02.046](https://doi.org/10.1016/j.jpba.2018.02.046), [DOI:10.1021/acs.jproteome.8b00720](https://doi.org/10.1021/acs.jproteome.8b00720)

Keywords: Metabolite annotation, searching metabolites in different databases, experimental masses, mass spectrometry,

Availability: Free, Freely available

Resource Name: CEU Mass Mediator

Resource ID: SCR_022090

Record Creation Time: 20220421T050138+0000

Record Last Update: 20260813T055240+0000

Ratings and Alerts

No rating or validation information has been found for CEU Mass Mediator.

No alerts have been found for CEU Mass Mediator.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Thomas H, et al. (2026) Protocol for MR1-ligand cross-linking to discover metabolite antigens by proteomics. STAR protocols, 7(1), 104399.

Wang J, et al. (2026) Energy Metabolism and Auxin Signaling Disruption Underlying Stamen Identity Defects in Tobacco Cytoplasmic Male Sterility K326 (CMS K326): Integrated Transcriptomic and Metabolomic Analyses. Plants (Basel, Switzerland), 15(4).

Acero N, et al. (2025) Vitis vinifera L. Leaves as a Source of Phenolic Compounds with Anti-Inflammatory and Antioxidant Potential. Antioxidants (Basel, Switzerland), 14(3).

de Sá HC, et al. (2025) Alterations in Cardiac Metabolism by Trypanosoma cruzi Infection: A Metabolomic Assessment by RPLC-MS and GC-MS. ACS infectious diseases, 11(12), 3620.

Duarte-Delgado NP, et al. (2025) Metabolic Alterations in Colombian Women with Rheumatoid Arthritis and Systemic Lupus Erythematosus Reveal Potential Lipid Biomarkers Associated with Inflammation and Cardiovascular Risk. International journal of molecular sciences, 26(10).

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).

Mastrangelo A, et al. (2025) Imidazole propionate is a driver and therapeutic target in atherosclerosis. Nature, 645(8079), 254.

Aya V, et al. (2025) Integrating metagenomics and metabolomics to study the gut microbiome and host relationships in sports across different energy systems. Scientific reports, 15(1), 15356.

Chamoso-Sanchez D, et al. (2025) Unveiling cellular changes in leukaemia cell lines after cannabidiol treatment through lipidomics. Scientific reports, 15(1), 2238.

Osorio-Méndez JF, et al. (2025) Exploring the mechanisms of action of the antimicrobial peptide CZS-5 against Trypanosoma cruzi epimastigotes: insights from metabolomics and molecular dynamics. Parasites & vectors, 18(1), 208.

Mutithu DW, et al. (2025) Serum metabolic profiling in rheumatic heart disease and degenerative aortic stenosis. *Scientific reports*, 15(1), 31470.

Sequeda-Castañeda LG, et al. (2025) Phytochemical Profile and Acute Toxicity in CD-1 Mice of the Hydroethanolic Extract and Butanolic Fraction of *Piper marginatum* Jacq. *Journal of xenobiotics*, 15(5).

Guillín Y, et al. (2025) Comparative metabolic study of planktonic and sessile cells in *Salmonella* Enteritidis ATCC 13076: Elucidating metabolic pathways driving biofilm formation. *PloS one*, 20(1), e0317420.

Kulkarni AJ, et al. (2025) L-Phenylalanine is a metabolic checkpoint of human Th2 cells. *Cell reports. Medicine*, 6(12), 102466.

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

Mishra NR, et al. (2024) Stereoselective Amine-omics Using Heavy Atom Isotope Labeled l- and d-Marfey's Reagents. *Journal of the American Society for Mass Spectrometry*, 35(6), 1217.

De La Hoz-Romo MC, et al. (2024) Marine actinobacteria metabolites: unlocking new treatments for acne vulgaris. *Frontiers in microbiology*, 15, 1501951.

Virsedá-Berdices A, et al. (2024) Plasma metabolomic profile is near-normal in people with HIV on long-term suppressive antiretroviral therapy. *Frontiers in cellular and infection microbiology*, 14, 1340610.

Ribeiro JM, et al. (2024) Untargeted Liquid Chromatography-High-Resolution Mass Spectrometry Metabolomic Investigation Reveals Altered Lipid Content in *Leishmania infantum* Lacking Lipid Droplet Protein Kinase. *Tropical medicine and infectious disease*, 9(9).

Chitiva LC, et al. (2024) Metabolomic Profiling of *Guadua* Species and Its Correlation with Antioxidant and Cytotoxic Activities. *ACS omega*, 9(35), 36939.