

Resource Summary Report

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Vesiclepedia

RRID:SCR_019011

Type: Tool

Proper Citation

Vesiclepedia (RRID:SCR_019011)

Resource Information

URL: <http://www.microvesicles.org/>

Proper Citation: Vesiclepedia (RRID:SCR_019011)

Description: Web based database of proteins, RNA, lipids and metabolites that are identified in extracellular vesicles. Compendium for extracellular vesicles with continuous community annotation and with manually curated data from published literature.

Synonyms: Vesiclepedia 2019

Resource Type: data or information resource, database, data repository, service resource, storage service resource

Defining Citation: [DOI:10.1371/journal.pbio.1001450](https://doi.org/10.1371/journal.pbio.1001450), [DOI:10.1093/nar/gky1029](https://doi.org/10.1093/nar/gky1029)

Keywords: Extracellular vesicles, gene information, molecule information, protein, RNA, lipid, metabolite, gene ontology, annotation, external references, FASEB list

Funding: Australian Research Council ;
NHMRC project grant

Availability: Free, Freely available

Resource Name: Vesiclepedia

Resource ID: SCR_019011

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260803T040755+0000

Ratings and Alerts

No rating or validation information has been found for Vesiclepedia.

No alerts have been found for Vesiclepedia.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 149 mentions in open access literature.

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

Rubinstein E, et al. (2025) Tetraspanins affect membrane structures and the trafficking of molecular partners: what impact on extracellular vesicles? Biochemical Society transactions, 371.

Honecker B, et al. (2025) Entamoeba histolytica extracellular vesicles drive pro-inflammatory monocyte signaling. PLoS neglected tropical diseases, 19(4), e0012997.

Gelsomino L, et al. (2025) Adipocyte-derived extracellular vesicles sustain mitochondrial metabolism in breast cancer cells: New insights into the cross-talk between cancer cells and the tumor microenvironment. International journal of oncology, 67(6).

Li H, et al. (2025) Exosomal gene signature in esophageal carcinoma: Insights from single-cell and bulk RNA sequencing. Translational oncology, 61, 102490.

Lee YJ, et al. (2025) Metabolic Reprogramming Into a Glycolysis Phenotype Induced by Extracellular Vesicles Derived From Prostate Cancer Cells. Molecular & cellular proteomics : MCP, 24(4), 100944.

Balakrishnan A, et al. (2025) Unlocking the secrets of the immunopeptidome: MHC molecules, ncRNA peptides, and vesicles in immune response. Frontiers in immunology, 16, 1540431.

Chen XF, et al. (2025) [Isolation and proteomics analysis of cerebrospinal fluid exosome subtypes]. Se pu = Chinese journal of chromatography, 43(5), 518.

Gangachannaiah S, et al. (2025) Potential of extracellular vesicle cargo as molecular signals in Schizophrenia: a scoping review. Schizophrenia (Heidelberg, Germany), 11(1), 17.

Yang X, et al. (2025) Integration of transcriptome and Mendelian randomization analyses in exploring the extracellular vesicle-related biomarkers of diabetic kidney disease. Renal failure, 47(1), 2458767.

Cagigas ML, et al. (2025) Short-Term Severe Energy Restriction Promotes Molecular Health and Reverses Aging Signatures in Adults With Prediabetes in the PREVIEW Study. Aging cell, 24(8), e70123.

Shao X, et al. (2025) Extracellular vesicle-derived miRNA-mediated cell-cell communication inference for single-cell transcriptomic data with miRTalk. *Genome biology*, 26(1), 95.

Li J, et al. (2025) Impact of Static Myoblast Loading on Protein Secretion Linked to Tenocyte Migration. *Journal of proteome research*, 24(5), 2529.

Lou P, et al. (2025) Harnessing tissue-derived mitochondria-rich extracellular vesicles (Ti-mitoEVs) to boost mitochondrial biogenesis for regenerative medicine. *Science advances*, 11(29), eadt1318.

Mahmoud AM, et al. (2025) Lipidomic profiling of human adiposomes identifies specific lipid shifts linked to obesity and cardiometabolic risk. *JCI insight*, 10(12).

Ráez-Meseguer C, et al. (2025) Comparative Analysis of Platelet-Derived Extracellular Vesicle Protein Extraction Methodologies for Mass Spectrometry. *Journal of proteome research*, 24(8), 3931.

Cufaro MC, et al. (2025) FACS-Proteomics strategy toward extracellular vesicles single-phenotype characterization in biological fluids: exploring the role of leukocyte-derived EVs in multiple sclerosis. *Journal of translational medicine*, 23(1), 565.

Leung PYM, et al. (2025) Glycolytic control proteins in urinary extracellular vesicles are elevated during kidney transplant T cell-mediated rejection. *BMC nephrology*, 26(1), 283.

Nadeau A, et al. (2025) Characterization of extracellular vesicle-associated DNA and proteins derived from organotropic metastatic breast cancer cells. *Journal of experimental & clinical cancer research : CR*, 44(1), 157.

Noghero A, et al. (2025) Cargo and Biological Properties of Extracellular Vesicles Released from Human Adenovirus Type 4-Infected Lung Epithelial Cells. *Viruses*, 17(10).

Martínez-García J, et al. (2025) ICP-MS for Multiplexed Protein Determination in Extracellular Vesicles from APP/PS1 Mice Blood Serum-Application to a Zn Supplementation Pilot Study. *Analytical chemistry*, 97(38), 20928.