

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, storage service resource, data repository, database, 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: 20260819T044511+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 214 mentions in open access literature.

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

Milczek-Haduch D, et al. (2026) Comparative Analysis of Extracellular Vesicle Isolation From Equine Serum and Plasma Using Two Isolation Methods With Structural and Proteomic Validation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(2), e71472.

Li J, et al. (2026) Downregulated lysyl oxidase in plasma extracellular vesicles: a biomarker linked to brain metastasis risk in lung adenocarcinoma. BMC medicine, 24(1).

Li Y, et al. (2026) Engineering Yeast Extracellular Vesicle Biogenesis Through Rewiring Membrane Trafficking Pathways. Microbial biotechnology, 19(4), e70338.

Tricard J, et al. (2026) New proteomic signature in circulating extracellular vesicles from tumor-draining and peripheral veins of patients with lung adenocarcinoma. Cancer cell international, 26(1).

Hajka D, et al. (2026) Bidirectional Communication Between Astrocytes and Neurons via Extracellular Vesicles: A Multi-Omics Approach. Journal of neurochemistry, 170(2), e70373.

Tamkovich S, et al. (2026) Exosome crown proteins are promising markers for liquid biopsy of breast cancer. Frontiers in oncology, 16, 1698043.

Kemunto G, et al. (2026) Advancing Extracellular Vesicle Research: A Review of Systems Biology and Multiomics Perspectives. Proteomics, 26(2-3), 33.

Guzzetti M, et al. (2026) Molecular and functional characterization of GMP-manufactured neural stem cells and their extracellular vesicles for innovative therapeutic applications. Stem cell research & therapy, 17(1), 74.

Cáceres-Verschae A, et al. (2026) Profiling of Extracellular Vesicles of Non-Small Cell Lung Cancer Reveals Proteins Associated With Osimertinib Resistance. Journal of extracellular vesicles, 15(1), e70219.

Duret T, et al. (2026) The P2X4 purinergic receptor controls the autophagy-related release of small extracellular vesicles from mammary cancer cells under hypoxia. Cell communication and signaling : CCS, 24(1).

Zhang Y, et al. (2026) Integrative discovery and targeted proteomics elucidate the plasma exosomal landscape in thyroid disorders, with emphasis on papillary thyroid carcinoma complicating Hashimoto's thyroiditis. *Frontiers in endocrinology*, 17, 1778949.

Kim J, et al. (2026) Leveraging Quantitative Proteomics and Extracellular Vesicle Data to Uncover Druggable Receptor Kinases Across Cancers. *Journal of extracellular vesicles*, 15(4), e70275.

Aebisher D, et al. (2026) MALDI-TOF Mass Spectrometry for Glioblastoma Secretome Biomarker Screening: A Review of Challenges and Perspectives. *Current issues in molecular biology*, 48(6).

Pierri B, et al. (2026) Tissue-Specific Extracellular Vesicles Enriched From Circulation: Exploring the Liquid Biopsy Perspective. *Journal of extracellular biology*, 5(2), e70106.

Talat LY, et al. (2026) Large Extracellular Vesicle-Derived Latent MMP-8 and Gelatinolytically Active MMP-2 as Potential Circulating Markers for Lymph Node Metastasis in Breast Cancer. *Cancers*, 18(9).

D Arrigo D, et al. (2026) Frozen melanoma tissues yield extracellular vesicles with preserved diagnostic and immunogenic properties. *BMC medicine*, 24(1).

WalyEldeen AA, et al. (2026) Plasma small-extracellular vesicles' proteomic signature in neoadjuvant chemotherapy-naïve breast cancer patients. *PloS one*, 21(5), e0348500.

Li Q, et al. (2026) 80 years of extracellular vesicles: from discovery to clinical translation. *Extracellular vesicles and circulating nucleic acids*, 7(1), 165.

Dabaliz A, et al. (2025) Sending the Signal to Bone: How Tumor-Derived EVs Orchestrate Pre-Metastatic Niche Formation and Skeletal Colonization. *Biomedicines*, 13(7).

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