Resource Summary Report

Generated by dkNET on May 20, 2025

exRNA Atlas

RRID:SCR_017221
Type: Tool

Proper Citation

exRNA Atlas (RRID:SCR_017221)

Resource Information

URL: https://exrna-atlas.org

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Description: Software tool as data and metadata repository of Extracellular RNA Communication Consortium. Atlas includes small RNA sequencing and qPCR derived exRNA profiles from human and mouse biofluids. All RNAseq datasets are processed using version 4 of exceRpt small RNAseq pipeline. Atlas accepts submissions for RNAseq or qPCR data.

Resource Type: data access protocol, service resource, expression atlas, production service resource, organization portal, data analysis service, database, controlled vocabulary, atlas, ontology, analysis service resource, data or information resource, portal, consortium, software resource, storage service resource, data repository, application programming interface

Defining Citation: PMID:30951672

Keywords: Differential, expression, RNA, sequencing, qPCR, data, visualization, extracellular, exRNA, atlas, repository, dataset

Related Condition: gastric cancer, colon carcinoma, colorectal cancer, prostate carcinoma, pancreatic carcinoma, multiple sclerosis, glioblastoma multiforme, ulcerative colitis, Alzheimer's disease, ischemic stroke, intraparenchymal hemorrhage of brain, asthma, cardiovascular disorder, myocardial infarction, lupus, nephrotic syndrome, transplanted kidney present, liver disease, transplanted liver present, pre-eclampsia, Parkinson disease, intraventricular brain hemorrhage, subarachnoid hemorrhage

Funding: NIDA U54 DA036134;

NCI R01 CA163849;
NIGMS R25 GM056929;
NCATS UH3 TR000906;
NCI U19 CA179512;
NIDDK P30 DK63720;
NHLBI K23 HL127099;
NHLBI R01 HL136685;
NIA R01 AG059729;
NCATS UH3 TR000943;
NCI R35 CA209904;
NCI CA217685;
NHLBI R01 HL122547;
American Cancer Society ResearchProfessor Award ;
Frank McGraw Memorial Chair in CancerResearch

Availability: Restricted

Resource Name: exRNA Atlas

Resource ID: SCR_017221

License URLs: https://exrna.org/resources/data/data-access-policy-summary/

Record Creation Time: 20220129T080334+0000

Record Last Update: 20250519T203951+0000

Ratings and Alerts

No rating or validation information has been found for exRNA Atlas.

No alerts have been found for exRNA Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Mosca N, et al. (2024) Osteosarcoma in a ceRNET perspective. Journal of biomedical science, 31(1), 59.

Dogra N, et al. (2024) Extracellular vesicles carry transcriptional 'dark matter' revealing

tissue-specific information. Journal of extracellular vesicles, 13(8), e12481.

Rizzuto AS, et al. (2024) Exploring the role of epicardial adipose-tissue-derived extracellular vesicles in cardiovascular diseases. iScience, 27(4), 109359.

Palakurthi SS, et al. (2024) A comprehensive review of challenges and advances in exosome-based drug delivery systems. Nanoscale advances, 6(23), 5803.

Pietrangelo T, et al. (2023) Endurance-dependent urinary extracellular vesicle signature: shape, metabolic miRNAs, and purine content distinguish triathletes from inactive people. Pflugers Archiv : European journal of physiology, 475(6), 691.

Nonaka T, et al. (2023) Saliva diagnostics: Salivaomics, saliva exosomics, and saliva liquid biopsy. Journal of the American Dental Association (1939), 154(8), 696.

Kalia V, et al. (2023) Seminar: Extracellular Vesicles as Mediators of Environmental Stress in Human Disease. Environmental health perspectives, 131(10), 104201.

Nicodemou A, et al. (2023) Emerging Roles of Mesenchymal Stem/Stromal-Cell-Derived Extracellular Vesicles in Cancer Therapy. Pharmaceutics, 15(5).

Ramirez-Garrastacho M, et al. (2022) Extracellular vesicles as a source of prostate cancer biomarkers in liquid biopsies: a decade of research. British journal of cancer, 126(3), 331.

Sun R, et al. (2021) Comprehensive Analysis of RNA Expression Correlations between Biofluids and Human Tissues. Genes, 12(6).

Sahoo S, et al. (2021) Therapeutic and Diagnostic Translation of Extracellular Vesicles in Cardiovascular Diseases: Roadmap to the Clinic. Circulation, 143(14), 1426.

Tzaridis T, et al. (2021) Extracellular Vesicle Separation Techniques Impact Results from Human Blood Samples: Considerations for Diagnostic Applications. International journal of molecular sciences, 22(17).

Novoa-Herrán S, et al. (2021) Challenges and opportunities in the study of extracellular vesicles: Global institutional context and national state of the art. Biomedica : revista del Instituto Nacional de Salud, 41(3), 555.

von Felden J, et al. (2021) Unannotated small RNA clusters associated with circulating extracellular vesicles detect early stage liver cancer. Gut.

Han S, et al. (2020) Exosomal Long Non-Coding RNA: Interaction Between Cancer Cells and Non-Cancer Cells. Frontiers in oncology, 10, 617837.

Veziroglu EM, et al. (2020) Characterizing Extracellular Vesicles and Their Diverse RNA Contents. Frontiers in genetics, 11, 700.

Raimondo S, et al. (2020) Emerging Insights on the Biological Impact of Extracellular Vesicle-Associated ncRNAs in Multiple Myeloma. Non-coding RNA, 6(3).

Yan Z, et al. (2020) Presymptomatic Increase of an Extracellular RNA in Blood Plasma Associates with the Development of Alzheimer's Disease. Current biology : CB, 30(10), 1771.

Hulstaert E, et al. (2020) Charting Extracellular Transcriptomes in The Human Biofluid RNA Atlas. Cell reports, 33(13), 108552.

Happel C, et al. (2020) Extracellular RNAs as potential biomarkers for cancer. Journal of cancer metastasis and treatment, 6.