

Special Issue

Extracellular Vesicles: The Biology and Therapeutic Applications

Message from the Guest Editor

Extracellular vesicles (EVs) are phospholipid bilayer limited particles located in the extracellular space, without self-reproducibility. They represent a heterogeneous population in size and origin and play an important role in physiology and pathology. The exponentially increased number of published studies in the last decade highlights the importance of the field; however, many EV-related questions remain unanswered, while the exact role of different EV populations in cell-to-cell communication is still not completely understood. The release mechanism, uptake, and intracellular fate of EVs are not fully understood. High-throughput methods such as proteomics, transcriptomics, lipidomics, glycomics, and glycoproteomics often lead to new EV-related biomarkers and may suggest new targets in diagnostics. EV-based therapies are a new and dynamically increasing part of biomedical sciences. This Special Issue aims to gather manuscripts on a basic understanding of EV-related biological processes, new technologies supporting EV studies, biomarker research, and therapeutic applications.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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