

Special Issue

Roles and Function of Extracellular Vesicles in Diseases 2.0

Message from the Guest Editor

Extracellular vesicles (EVs) are small nano-sized particles that are constantly produced and secreted by cells. Since EVs originate from cells, they contain cellular components such as proteins, lipids, carbohydrates, DNAs, and RNAs. They play key roles in cell-to-cell communication through the transfer of those encapsulated components. As central mediators of intercellular communication, EVs play important roles in the pathogenesis of various diseases, such as cancer progression and metastasis. In this context, understanding the roles and function of EVs in our bodies is essential for the practical application of EVs in therapy and diagnosis. This Special Issue of the *International Journal of Molecular Sciences*, “Roles and Function of Extracellular Vesicles in Disease”, will focus on (1) biogenesis or biochemical properties of EVs, (2) functions of EVs, (3) engineering EVs for therapeutic development, (4) development of novel EV sources, and (5) EV-based applications in therapy and diagnosis. Experimental papers, up-to-date review articles, and commentaries are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2024)



International Journal of Molecular Sciences

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Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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Message from the Editor-in-Chief

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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