

Special Issue

Roles and Applications of Extracellular Vesicles in Health and Diseases

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 facilitate cell-to-cell communication through transferring 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 of EVs in health and disease is essential for the practical applications of EVs in therapy and diagnosis. The Special Issue of *International Journal of Molecular Sciences*, "Roles and Applications of Extracellular Vesicles in Health and Disease", will focus on (1) biogenesis or biochemical properties of EVs, (2) functional analysis of EVs in health and disease, (3) engineering EVs for therapeutic development, and (4) EV-based diagnosis. Experimental papers, up-to-date review articles, and commentaries are all welcome.

Guest Editor

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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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