

Special Issue

Exosomes 2.0

Message from the Guest Editor

Exosomes, a class of extracellular vesicle (EVs) involved in cell-to-cell communication, are released by most of all biological fluids and emerging as novel cell-cell communication mediators in physiological and pathological conditions. These exosomes differ from other EVs based on their biogenesis, release pathways, size content, and function. Furthermore, these exosomes have shown to carry cell-specific cargos such as lipids, proteins, and miRNAs, mRNAs, and other genetic materials and can be selectively taken up by neighboring or distant cells far from their release, which may ultimately reprogram the recipient cells distal from their release. Thus, exosomes and their biologically active cargos may offer potential biomarkers of diagnosis and therapeutic targets in a range of diseases, such as chronic inflammation, obesity, cardiovascular and neurodegenerative diseases, metabolic diseases, and tumors. This Special Issue aims to present new knowledge and covers all the topics relevant to exosomes in healthy and pathological conditions, including the onset and progression of cancer, sleep disorders, and heart diseases.

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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