



Exosomes 2.0

Guest Editor:

Dr. Abdelnaby Khalyfa

Department of Biomedical
Sciences, Joan C. Edwards
School of Medicine, Marshall
University, Huntington, WV
25701, USA

Deadline for manuscript
submissions:

closed (30 November 2023)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI