

Special Issue

Extracellular Vesicles: From Molecular Mechanisms to Therapeutic Applications: 2nd Edition

Message from the Guest Editor

Extracellular vesicles (EVs) are increasingly recognized as integral mediators of intercellular communication, enabling the transfer of proteins, lipids, nucleic acids, and metabolites between neighboring and distant cells. Released by both eukaryotic and prokaryotic cells under physiological and pathological conditions, they consist of a diverse group of membrane-enclosed particles with different biogenesis pathways, molecular contents, and functions. Accumulating evidence demonstrates that EVs contribute to fundamental biological processes. EVs are also deeply implicated in the pathogenesis of cancer, neurodegenerative disorders, cardiovascular disease, autoimmune conditions, and infectious diseases.

This Special Issue invites high-quality contributions that advance the current understanding of extracellular vesicles in physiological and pathological contexts. We particularly encourage submissions that address EV biogenesis and heterogeneity, cargo sorting and functional transfer, methodological advances in isolation and characterization, disease-associated signaling, and the development of EV-based biomarkers and therapeutics.

Guest Editor

Dr. Jung-Hyun Lee

Department of Life Science, University of Seoul, Seoul 02504, Republic of Korea

Deadline for manuscript submissions

31 October 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/279298

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)