

Special Issue

Current Insights into the Role of Exosomes in Intercellular Communication

Message from the Guest Editor

Exosomes are extracellular vesicles (EVs) ranging in diameter from 30 to 150nm. Formed by the endosomal membrane, they are practically secreted from all types of cells and cell microenvironments. In the human body, they travel in bodily liquids including the blood, saliva, urine, etc. Exosomes contain thousands of molecules, including nucleic acids of all types, proteins, and lipids, reflecting the molecular makeup of their cells of origin. Upon travelling in bodily liquids, they may be engulfed by other recipient cells, where they release their cargo. Since part of the molecular cargo is biologically active, it may interfere with the host cells' signal transduction pathways upon their cellular integration. Therefore, exosomes are considered mediators of cell-cell communications. As such, their roles in numerous biological activities are continuously being reported. For this Special Issue of *IJMS*, we are gathering manuscripts focusing on the various roles of exosomes in cell-cell communications in all biological systems.

Guest Editor

Dr. Orit Uziel

1. The Felsenstein Medical Research Center, Rabin Medical Center, Petah Tikva 49100, Israel
2. The Gray Faculty of Medical and Health Sciences, Tel-Aviv University, Tel Aviv 69978, Israel
3. Institute of Hematology, Davidoff Cancer Center, Rabin Medical Center, Petah Tikva 49100, Israel

Deadline for manuscript submissions

closed (30 October 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/183220

*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 9.0
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 (Organic Chemistry)