

## Special Issue

# Cell–Cell Communication Through Extracellular Vesicles

### Message from the Guest Editor

The release of extracellular vesicles (EVs) is a highly conserved biological event in prokaryotes and eukaryotes, which appears to be a common process shared by virtually all cell types. In recent years, an increasing number of diverse EVs have been described, secreted by cells of different origins and conditions. EVs appear to represent the evolutionary strategy for cell–cell communication under physiological, altered and pathological conditions. The biological advantage of using EVs stems from their ability to stabilise and protect cargo molecules, such as nucleic acids and proteins, to evade degradation and immunosurveillance mechanisms. The membrane composition, trafficking and content of EVs are highly regulated by several energy-dependent steps in a complex and tightly regulated endosomal biogenesis, which needs further investigation. EVs represent a remarkable target for biomedical research; for biomarker identification; for membrane structural organisation in EVs biogenesis and trafficking; for cell–cell communication in pathological contexts, such as metastatic processes or host–pathogen interplay; and, interestingly, for drug delivery.

---

### Guest Editor

Dr. Federica Fratini

Proteomics Core Facility, Istituto Superiore di Sanità (ISS), 00161 Rome, Italy

---

### Deadline for manuscript submissions

31 July 2026



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/227639](https://mdpi.com/si/227639)

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