

# Special Issue

## New Challenges and Opportunities: Extracellular Vesicles in Biological and Biochemical Processes

### Message from the Guest Editors

Cell-to-cell communication is mediated by the release of a plethora of soluble molecules of varying nature and functions. However, extracellular vesicles (EVs) have been recognized as essential mediators of this intercellular crosstalk for many years now, being involved in all key biological processes in humans, such as cell differentiation, tissue homeostasis, and organ remodeling. EVs are membrane-enclosed structures, containing a complex cargo composed of proteins, lipids, and nucleic acids, which can be fully functional once transferred to target cells, and when released by normal and tumor cells, they act as critical modulators in both physiological and pathological conditions. This Special Issue will comprise a selection of research papers and reviews, focusing on the novel biochemical and molecular aspects of biological processes mediated by EVs. Contributions are welcome on EVs molecular characterization and cell signaling pathways involved in EVs-mediated physiological and pathological processes, as well as their impact on possible clinical implications.

### Guest Editors

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### Deadline for manuscript submissions

closed (10 August 2024)



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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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### Editor-in-Chief

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