

Special Issue

Molecular Mechanism of Extracellular Vesicles in Human Diseases

Message from the Guest Editor

Extracellular vesicles (EVs) are nano-sized, membrane-bound particles released by all cell types, playing essential roles in intercellular communication. They facilitate the transfer of proteins, lipids, and nucleic acids, impacting various physiological processes and disease mechanisms. EVs are gaining recognition for their potential in diagnostics and therapeutics, serving as biomarkers for diseases such as cancer, infections, and immunological and neurodegenerative disorders. Their ability to transport cargo across biological barriers positions them as promising vehicles for drug delivery and regenerative medicine.

This Special Issue aims to focus on the molecular mechanisms through which EVs contribute to the pathophysiology of human diseases. As a journal dedicated to advancing molecular science, this Special Issue emphasizes studies that explore the intricate biomolecular interactions of EVs in both clinical and model systems. While purely clinical studies fall outside the scope of this Issue, we welcome submissions that incorporate biomolecular experiments alongside clinical insights or studies utilizing relevant models.

Guest Editor

Dr. Eszter Ágnes Tóth

1. Department of Genetics, Cell and Immunobiology, Semmelweis University, Budapest, Hungary
2. Buda Hospital of the Hospitaller Order of Saint John of God, Budapest, Hungary

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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