



Extracellular Vesicles: The Biology and Therapeutic Applications

Guest Editor:

Dr. Tamás Visnovitz

Department of Genetics, Cell-
and Immunobiology,
Semmelweis University, H-1089
Budapest, Hungary

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Message from the Guest Editor

Dear Colleagues,

Extracellular vesicles (EVs) are phospholipid bilayer limited particles located in the extracellular space, without self-reproducibility. They represent a heterogeneous population in size and origin and play an important role in physiology and pathology. The exponentially increased number of published studies in the last decade highlights the importance of the field; however, many EV-related questions remain unanswered, while the exact role of different EV populations in cell-to-cell communication is still not completely understood. The release mechanism, uptake, and intracellular fate of EVs are not fully understood. High-throughput methods such as proteomics, transcriptomics, lipidomics, glycomics, and glycoproteomics often lead to new EV-related biomarkers and may suggest new targets in diagnostics. EV-based therapies are a new and dynamically increasing part of biomedical sciences.

This Special Issue aims to gather manuscripts on a basic understanding of EV-related biological processes, new technologies supporting EV studies, biomarker research, and therapeutic applications.

Dr. Tamás Visnovitz

Guest Editor





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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

Message from the Editor-in-Chief

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