

Special Issue

Exosomes in Medicine: Recent Advances in Drug Delivery, Diagnostics, and Therapeutics

Message from the Guest Editor

Exosomes—nano-sized extracellular vesicles released by cells—have emerged as significant facilitators of intercellular communication, with potential implications in contemporary medicine. This Special Issue aims to highlight recent advances in the understanding of exosomes and their utilization in drug delivery, disease diagnostics, and therapeutic interventions. This Issue solicits original research articles, reviews, and brief communications centered on the extraction, characterization, and engineering of exosomes for clinical and translational purposes. Key study areas of interest encompass exosome-mediated drug- and gene-delivery systems, the function of exosomes as diagnostic biomarkers in oncology and metabolic disorders, and their therapeutic potential in inflammation, neurodegeneration, and immunological regulation. Research that combines exosomes with phytochemicals, nanomaterials, or biomaterials to improve efficacy and specificity is also recommended. This Issue seeks to enhance exosome research by integrating diverse viewpoints and fostering the advancement of innovative solutions for disease management and personalized healthcare.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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