

## Special Issue

# The Role of Extracellular Vesicles in Pathogenesis and Therapeutic Strategies

### Message from the Guest Editor

Extracellular vesicles (EVs) are emerging as a valuable source for novel liquid biomarkers, insight into systemic signaling and theranostic tools. EVs, including exosomes and other membrane-bound packets, are released by all cells under a range of conditions, ranging from homeostatic equilibrium to states of cellular stress.

In states of disease, these EVs, depending on their origin, may adaptively ameliorate the disease state or may contribute to the pathogenesis of the disease. Furthermore, because they are released from intercellular spaces into the circulation, they are being investigated through 'liquid biopsies' for various diseases and biological conditions.

The purpose of this Special Issue is to address specific attributes of EVs as liquid biomarkers for personalized medicine. In providing this overview, this Special Issue will delineate the current foundations and tools for the next steps toward the application of EV in therapeutic strategies for the treatment of a wide range of diseases.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2020)



## Biomedicines

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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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### Editor-in-Chief

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