

Special Issue

Therapeutic Applications and Biology of Extracellular Vesicles

Message from the Guest Editors

Extracellular vesicles (EVs) have emerged as key players in complex multicellular organism communication networks. These nano-sized particles, lipid-enveloped structures, secreted by virtually all cell types, transport many bioactive molecules, such as nucleic acids, proteins, and lipids, reflecting the cargo of their parental cells. EVs have been involved in a wide range of biological processes, from immune modulation to angiogenesis and tumorigenesis, prompting innovative strategies to harness their potential as diagnostic biomarkers and therapeutic delivery systems. This Special Issue delves into the biology of EVs and their potential therapeutic applications, presenting cutting-edge research that underlines their great potential in medicine. By examining these aspects, we aim to inspire and explore novel strategies to harness EVs both as a potential diagnostic tool and as an innovative method for therapeutic applications.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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