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Extracellular Vesicles: Biology and Emerging Therapeutic Opportunities

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submissions:
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Message from the Guest Editors

Dear Colleagues,

Extracellular vesicles (EVs) are secreted by all cell types and can be found in all body fluids. EVs are intensely discussed and studied as potential new diagnostic biomarkers, and their ability to act as a natural vector offers a unique platform for the development of a new class of therapeutics. For example, unmodified EVs derived from mesenchymal stromal cells have demonstrated beneficial therapeutic effects in multiple animal disease models, and additionally EVs can be engineered to display various targeting and therapeutic moieties and shuttle cargo over biological barriers. Despite those prospects, many EV-related aspects related to EV production, isolation, formulation, cargo and function as well as their subsequent therapeutic application are yet poorly defined. This Special Issue has the aim to summarize the state-of-the-art, and the latest findings published within the field, as well as to elucidate future directions.



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Special Issue



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