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Extracellular Vesicles and Bionanovesicles in Cell-Free Therapies and Drug delivery

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Message from the Guest Editors

Extracellular vesicles (EVs: exosomes, microvesicles) are the membrane vesicles released by most types of cells. Bionanovesicles (exosome mimetics/nanovesicles) are engineered vesicles from cells. Recent studies show that EVs/mimetics/nanovesicles that are derived/engineered from cells have different functions and therapeutic effects. Numerous studies reported that these EVs and bionanovesicles can efficiently deliver many different kinds of cargo to the target cell. Therefore, they are often used to deliver therapeutic cargo for treatment. Therapeutics, such as small molecules or nucleic acid drugs, can be incorporated into exosomes and then delivered to specific types of cells or tissues to realize targeted drug delivery. EVs and bionanovesicles hold promise for cell-free therapies and drug delivery for a wide range of diseases.

We cordially invite you to present your excellent EV- or bionanovesicles-based therapies and drug delivery research discoveries to this Special Issue, for the wider scientific and academic community.



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Special Issue



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We hope to handle your contribution to *Pharmaceuticals* soon.

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