



Extracellular Vesicles: Biology and Potentials in Cancer Therapeutics

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Message from the Guest Editor

In contrast to the artificial vehicles for drug delivery in cancer, extracellular vesicle (EV) as intercellular communication has attracted tremendous interest from the scientific community for use as a vehicle for therapeutics. EVs have been studied as delivery vehicles to transport drugs, proteins, and non-coding RNA for therapeutic purposes. Various approaches are emerging, with interesting experimental results.

The efficiency and specificity of drug delivery should be considered for targeting specific cell populations in dealing with tumor heterogeneity. EVs can be engineered to deliver specific bioactive molecules to target cells. The exploitation of their molecular composition and physical properties, as well as the use of bio-techniques to modify their content, are important issues to target them to specific cells/tissues/organs.

This Special Issue particularly focuses on how EVs offer a solution to molecular cancer therapeutics, thereby providing an efficient and effective way to treat cancer that marks a paradigm shift in modern oncology.





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