



Innovative Drug Delivery Strategies for Targeted Cancer Immunotherapy

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Message from the Guest Editor

Cancer immunotherapy, including checkpoint inhibitors, adoptive cell transfer, cancer vaccines, and cytokines, has emerged as a revolutionary approach to treating various malignancies by harnessing the body's immune system. Despite its promise, the clinical success of immunotherapy is often limited by therapeutic agents' delivery efficiency and specificity. Innovative drug delivery strategies are essential to overcome these barriers, enhancing the delivery and uptake of immunotherapeutic agents and reducing systemic toxicity. By incorporating cutting-edge technologies, researchers are developing various delivery systems (e.g., liposomes, polymeric carriers, inorganic nanoparticles, extracellular vesicles, cell membrane-coated nanoparticles) that can selectively target tumor and immune cells, providing controlled release of therapeutics to modulate the immune response. This Special Issue focuses on the latest advancements in drug delivery systems engineered to enhance the efficacy and specificity of cancer immunotherapies.





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Message from the Editor-in-Chief

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