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The Role of Nanoparticles in Tumor Treatment

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Message from the Guest Editor

Dear Colleagues,

The field of oncology, nanotechnology, and biomedicine has witnessed rapid progress, leading to innovative developments in nanoparticles for safer and more effective cancer therapy. Nanoparticles predominantly fall into two categories: nanoparticles for gene therapy applications or for the delivery of small-molecule drugs for cancer treatment. They include liposome-, micelle- and protein-based nanoparticles and have biologically attractive properties such as biocompatibility and biodegradability. Nanomedicine could represent a step forward for the application of immunotherapies in clinical practices. By harnessing the potential of nanoparticles, this Special Issue aims to usher in a new era of precise and personalized cancer therapy, providing patients with individualized treatment options.

This Special Issue's goal is the design, development, and characterization of biological nanoparticles and their therapeutic application in cancer. This Special Issue will cover the latest advances made in the last few years.

We look forward to receiving your contributions.













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