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Bacterial Cancer Therapy

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Message from the Guest Editor

Dear Colleagues,

One of the primary limitations of cancer therapy is the lack of selectivity of therapeutic agents to tumor cells. Current efforts are focused on discovering and developing anticancer agents that selectively target only tumor cells but spare normal cells to improve the therapeutic index. The use of preferentially replicating bacteria as an oncolytic agent is one of the innovative approaches for the treatment of cancer. This is based on the observation that some obligate or facultative anaerobic bacteria are capable of multiplying selectively in tumors and inhibiting their growth. Meanwhile, bacteria have been demonstrated to colonize and destroy tumors, and emerged as biological gene vectors to the tumor microenvironment. To improve the efficacy and safety of the bacterial therapy, a further understanding of bacteria in the tumor microenvironment is required. This Special Issue will mainly focus on bacteria and their induced antitumor activity.



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Message from the Editor-in-Chief

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