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NK Cells in the Tumor Microenvironment: Immunosuppressive Mechanisms and Therapy

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Message from the Guest Editors

Natural killer (NK) cells represent the innate counterparts of cytotoxic T lymphocytes, poised to rapidly engage in cell-mediated cytotoxicity and the release of potent proinflammatory cytokines. Their functions are largely regulated through surface-activating and inhibitory receptors which probe their tissue microenvironment for signs of infection or malignancy. Therapeutic manipulation of these opposing receptors holds great promise for clinical intervention. In this Special Issue, we explore the mechanisms malignant cells employ to inhibit NK cell surveillance, as well as therapeutic strategies to overcome these immunosuppressive pathways and enhance NK cell activity.

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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