



cancers



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Factors Regulating Cancer Cell Growth, Migration, Invasion, and Apoptosis

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Message from the Guest Editors

The signaling network in the cancer microenvironment, involving interactions between cancer cells and various other cells, plays a critical role in determining the biological characteristics of individual cancers. These interactions affect a variety of biological activities, including cancer cell survival and proliferation, invasive potential, collective migration, and therapeutic response to anticancer drugs. Cells comprising the cancer microenvironment include cancer-associated fibroblasts, cancer-associated macrophages, immune cells, vascular cells, and adipocytes. Various intercellular and intracellular signaling networks are activated or inactivated by growth factors, cytokines, chemokines, and extracellular matrices secreted by these cells, or by the cell surface receptors expressed on them, leading to different cancer characteristics. Research aiming to elucidate the cancer microenvironment and its role in cancer progression is rapidly progressing. Furthermore, an improved understanding of signaling networks in the cancer microenvironment could provide critical information needed for the development of novel cancer therapies, especially for refractory cancers.



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Special Issue



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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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