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Tumor Microenvironment: From Cellular Components to Therapeutic Perspectives

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Message from the Guest Editors

Dear Colleagues,

The tumor microenvironment is a complex ecosystem, which includes cancer-associated cells, blood vessels, and extracellular matrix, involving a large panel of cellular-derived factors. It also comprises different types of immune cells, such as T and B lymphocytes, natural killer (NK) cells, dendritic cells, myeloid-derived suppressor cells (MDSCs), neutrophils, and tumor-associated macrophages (TAMs). In addition, intercellular communication is supported by a large spectrum of chemokines, cytokines, inflammatory mediators, growth factors, and matrix-remodeling enzymes in the tumor niche.

For this Special Issue of Biomedicines, we invite authors to submit contributions that provide new insights into the mechanisms of tumor microenvironment contribution to cancer development, progression, metastasis, immune escape, and therapy resistance. In particular, articles or reviews on new findings or concepts regarding the cellular and molecular interactions between tumor cells and microenvironment components, as well as their cooperation in tumor invasion and therapy resistance, are of great interest.



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Special Issue



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Message from the Editor-in-Chief

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