Special Issue

The Role of Biomolecules in Tumor Microenvironment

Message from the Guest Editors

The tumor microenvironment (TME) is a complex environment that comprises cancer cells, stromal cells, extracellular matrix, lymphatic cells, vasculature, and signaling molecules. The biomolecules generated in such a suppressive milieu (e.g., metabolites, exosomes) can be viewed as diagnostic and prognostic biomarkers to characterize the current stage and behavior of the tumor and even understand the development of the tumor. By contrast, the biomolecules that directly or indirectly alter the tumor microenvironment (e.g., proteinases) can potentially become therapeutic agents to block or reduce the development progress of tumors for cancer treatment. Understanding this dynamic and intricate interaction between biomolecules and the tumor microenvironment could help to translate fundamental research toward clinical applications.

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in Biomolecules so far. We would be delighted to welcome you as one of our authors.

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