



Role of Cytokines and Their Receptors in Human Tumors and Immune-Regulation

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Message from the Guest Editor

Dear Colleagues,

Cytokines are the main signaling molecules for the development of the immune response. After binding to their specific receptors on different types of immune cells, signal transduction pathways are activated, affecting the functional activity, proliferation, and differentiation of target cells. These processes concern both immune and tumor cells, as well as the development of tumor growth and metastasis. Further understanding of the induced cytokine signature in the tumor microenvironment will provide deeper insight into the molecular mechanisms of immune regulation during tumorigenesis. These new data can provide important information regarding the practical approach to the treatment of different tumor types.

This Special Issue will provide a platform for the newest scientific research concerning the molecular mechanisms of the regulation of cytokines and their receptors in immune cells in the tumor milieu. Original articles and reviews on signal transduction involving cytokines and their receptors, molecular genetics and epigenetics regulation, cell biology and immunology, and related fields, focusing on tumor development and metastasis, are welcome.





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Message from the Editor-in-Chief

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