

Special Issue

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

Message from the Guest Editor

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.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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