

Special Issue

Tumor Microenvironment and Its Actors: Are Ion Channels Relevant?

Message from the Guest Editors

Cancer research is opening new perspectives in the field of patients' management, focusing mainly on factors that promote tumor progression. The environment surrounding the tumor mass, consisting of resident cells and extracellular matrix, plays an important role in maintaining a condition conducive to the growth and progression of the disease. This also results in the establishment of resistance to the main therapeutic standards, such as chemotherapy and radiotherapy. Oncology research is making great strides, bringing to light new prognostic and therapeutic biomarkers. Among all, it has been demonstrated that the ion channel family is involved in several type of cancers. For this reason, the goal of this Special Issue is to bring together experts and scientists who work on ion channels to collect information and data regarding their involvement not only in tumor but also in its microenvironment. The ultimate purpose is to identify at molecular level ion channels' contribution in the various cancerous processes, ranging from signaling pathways involved in tumor growth, invasion, angiogenesis, drug resistance, metastasis formation, up to immune escape.

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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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