

Special Issue

The Role of Cellular Ion Channels and Transporters in Cancers

Message from the Guest Editors

A growing literature demonstrate the important roles of ion channels and transporters in cancer and their interest as new therapeutic targets and biomarkers. Initially observed in cancer cell proliferation, the role of ion channels and transporters in cancer cells has spread to all hallmarks of cancer including interactions of cancer cells with their micro-environment and the development of cancer resistance to therapy. The aim of this Special Issue will be to provide latest progress and current understanding of the contribution of ion channels in multiple aspects of cancers and to highlight their potential as new therapeutic targets of the tumour itself or the tumor micro-environment. The scope will include all ion channels and transporters (expressed at the plasma membrane or intracellular organelles) and their contribution in any aspects of tumorigenesis including but not limited to the biology of cancer cells (migration, proliferation, invasion, energetic metabolism ...), the tumor micro-environment (stroma, vascular, immune compartments) or the cancer resistance to therapy. Special interest will be given to articles discussing the functions of ion channels in cancers.

Guest Editors

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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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