

Special Issue

Ion Conductance and Ion Regulation in Human Health and Disease

Message from the Guest Editor

The gradients in ion concentration across the cell membrane are associated with many processes that define life. Therefore, the knowledge of ion conductance and ion regulation is vital to understanding cellular physiology and pathophysiology. This Special Issue deals with structures and functions of ion transport across membranes, with ion regulation based on intracellular ion stores and signaling processes involving ion transport. It includes studies of excitable cells but also covers non-excitabile cells. Studies on model cells and cell lines as well as primary cells and tissue are welcome. This Special Issue covers original research and comprehensive reviews. Since *IJMS* is a journal of molecular science, pure clinical studies will not be suitable for this Special Issue; however, clinical submissions with biomolecular experiments are welcome.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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