

Special Issue

Ion Channel and Ion-Related Signaling

Message from the Guest Editors

Ion channels play important roles in cellular functions in various organ systems, such as nervous, cardiovascular, immune, and endocrine systems, and are potential therapeutic targets for treatment of their dysfunction “Channelopathy”. Ion channels modulate diverse intracellular signaling pathways involving in neuronal activity, muscle contraction, cell proliferation, differentiation, apoptosis, and transcription.

In this Special Issue, original studies on all aspects of ion channel and ion-related signaling are welcome and in particular, molecular analyses of ion channels and their related intracellular signaling in multiple body systems are favorable. It will also cover the reports providing new insights into molecular mechanisms of “Channelopathies”, including the transcriptional, spliceosomal, epigenetic, and post-translational regulation of ion channels and impact of novel screening technologies on ion channel drug discovery.

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Deadline for manuscript submissions

closed (30 September 2018)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/10194

*International Journal of
Molecular Sciences*
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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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