

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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