

Special Issue

Novel Insight into Ion Channel and Ion-Related Signaling

Message from the Guest Editor

Ions are the central balance point of the body. Ion channels are responsible for regulating the ion concentration within cells to maintain homeostasis in our body. Because ion-related signals generated when ions pass through ion channels can be used as indicators to detect cell signaling processes during cell communication and regulation, ion channels can be used as essential targets for the development of treatments for various diseases. In recent years, various studies have revealed the importance of ion channels and ion-related signals, yielding new insights into the function and regulation of ion channels. This Special Issue aims to highlight cutting-edge discoveries in ion channel physiology and ion-related signaling, and introduces the latest research and advances in the field. This Issue will provide researchers with new insights into the mechanisms of ion channel regulation and ion-related signaling. These articles cover a wide range of topics, including new perspectives on ion channel regulation and signaling, the cellular processes of ion channels, and the development of new therapies targeting ion channels.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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