

Special Issue

Voltage-Gated Ion Channels and Human Diseases

Message from the Guest Editor

I am pleased to invite you to contribute to this Special Issue focusing on voltage-gated ion channels in human diseases. The number of disorders linked to ion channel defects has significantly increased in recent years. Mutations in the genes coding for these proteins can lead to various conditions affecting the heart, skeletal muscle, and brain, altering the electrical excitability of cells and increasing the risk of symptoms such as cardiac arrhythmia, periodic paralysis, myotonia, seizures, migraines, episodic ataxia, and other diseases. For this Special Issue, we welcome your original research or review articles on channelopathies, specifically addressing disorders caused by mutations that result in defective ion channel function, regulation, or expression. The goal is to highlight how studying these mutations can enhance our understanding of the mechanistic basis of human disease and emphasize the critical roles of ion channels.

Guest Editor

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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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