

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

Dr. María A. Gandini

Department of Clinical Neurosciences, Hotchkiss Brain Institute,
Calgary Cumming School of Medicine, University of Calgary, Calgary,
AB T2N 4N1, Canada

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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