

## Special Issue

# New Insights into Cardiac Ion Channel Regulation 2.0

### Message from the Guest Editors

The ordered electrical excitation of the heart coordinates the efficient pumping of blood throughout the body. Cardiac arrhythmias are electrical disturbances that are often the manifestation of drug toxicity or acquired or genetic diseases. Clinicians and scientists collectively work to identify the basis and prevention of different arrhythmogenic mechanisms. Molecular, cellular, animal, and clinical studies have identified several major families of clinically important cardiac ionic currents and their associated genes and proteins. These studies have led to new discoveries in ion channel regulation at the level of gene transcription, mRNA splicing and stability, translation, protein assembly, intracellular transport (trafficking), second messenger modification, and biophysical function. In this Special Issue, we focus on foundational and emerging concepts in cardiac ion channel regulation, with an emphasis on how this information contributes to a better understanding of normal cardiac excitation and arrhythmogenicity.

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### Deadline for manuscript submissions

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## 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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