

# Special Issue

## Study on Cardiac Ion Channels

### Message from the Guest Editors

Ion channels are transmembrane proteins that allow ions to pass through cellular membranes. They regulate multiple processes and are highly regulated in turn. In cardiomyocytes, excitation–contraction coupling, how electrical activity generated by voltage-dependent ionic channels triggers cell contractions, is a concept that is well understood. However, how ionic channels are able to regulate cardiac functions ranging from heart development to pathology in response to physiological or pathological stimuli requires further investigation. The understanding of how ionic channels regulate or are regulated during these processes is beneficial to discovering novel therapeutic targets. The current Special Issue aims to highlight the recent advances in understanding the molecular mechanisms involved in the regulation of physiopathological processes by ionic channels and vice versa.

### Guest Editors

Dr. Marie Demion

PhyMedExp, Université de Montpellier, 34295 Montpellier, France

Dr. Adèle Faucherre

Institute of Functional Genomics (IGF), 34094 Montpellier, France

### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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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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### 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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