

## Special Issue

# Hunting for Prospective Molecular Approaches to Prevent Cardiac Arrhythmias

### Message from the Guest Editor

The prevention and management of cardiac rhythm disorders, including atrial and ventricular fibrillation, is still a hot topic in clinical medicine. The heart is an electromechanical pump, and its function involves complex and coordinated activity. Asynchrony in these events promotes the development of life-threatening cardiac arrhythmias. Thus, therapies for prevention and treatment require a fundamental understanding and the ability to visualize, perturb and control cardiac electrical activity. Accordingly, continuous efforts are being made to reveal pro-arrhythmia triggers and to determine pro-arrhythmia markers in specific cardiac conditions. In turn, research is being conducted to explore new approaches for rhythm control and the prevention/attenuation of dysrhythmias in jeopardized heart. The outcomes of this research may include novel insights into current cardio-protective agents or natural compounds exhibiting antiarrhythmic potential, as well as epigenetic approaches.

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### Guest Editor

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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.

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