

Special Issue

Progress in Understanding of Cardiac Arrhythmia Mechanisms and Antiarrhythmic Targets

Message from the Guest Editors

As you know, cardiac rhythm disorders, i.e., arrhythmias, are a permanent focus of experimental and clinical cardiologists. This is because of high impact on mortality and morbidity worldwide, despite the progress of treatment in the last decades. Both invasive and non-invasive approaches are still not efficient enough to prevent the occurrence and/or recurrence of cardiac arrhythmias, such as atrial fibrillation (AF) and ventricular fibrillation (VF). AF is most frequent arrhythmia, whose incidence increases along with the high risk of stroke. VF is often the cause of sudden cardiac death and sometimes even in patients with an implantable cardioverter-defibrillator. Taken together, it is challenging to address this topic on both bench and bedside molecular levels to understand better arrhythmogenesis, since it is *conditio sine qua non* to discover novel targets and approaches to fight cardiac arrhythmias. This Special Issue aims to cover a selection of recent research topics and updated review articles based on the molecular and cellular view on cardiac arrhythmias and their possible prevention.

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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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