

## Special Issue

# Molecular and Electrophysiological Modulation in Cardiac Arrhythmias

### Message from the Guest Editor

Cardiac arrhythmias are prevalent diseases among humans at different ages and may occur in diseased and structurally normal hearts. While arrhythmias have widely varied phenotypes and causes, they possess shared cellular electrophysiologic properties. These involve abnormalities in action potential generation, repolarization, or conduction due to a complex interplay of ion channels and their intracellular regulation, as well as electrophysiological remodelling. Thus, increasing the knowledge of the molecular and electrophysiological mechanisms of arrhythmia may be critical to the development of an appropriate diagnosis and treatment strategy. In this Special Issue, experts in the field will update the readers on the role of ion channel and their molecular biology in normal cardiac electrical function and the mechanisms of arrhythmias leading to sudden cardiac death from the bench to the clinic. The articles will focus on the current knowledge, important questions that remain unanswered, and future research to develop an advance therapy for inheritable and acquired ion-channel-related diseases. Dr. Álvaro Macias

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### Guest Editor

Dr. Alvaro Macias

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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