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Cardiac Electrophysiology and Pharmacology

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Message from the Guest Editors

Cardiac arrhythmia is a leading cause of morbidity and mortality; therefore, large efforts in cardiac research have gone into finding appropriate antiarrhythmic drugs in the past few decades. Classical antiarrhythmic therapy includes the application of several Na⁺, K⁺, and Ca²⁺-channel blockers. However, the pharmacological interventions are still hampered because the compounds often exert lack of selectivity and/or proarrhythmic side-effects. A further important aspect of the unsatisfactory pharmacological treatments is the lack of sufficient knowledge of the underlying mechanisms in several diseases. Better understanding of cardiac electrophysiology, both in health and in disease, could improve the effectiveness of the pharmacological treatments and may decrease the proarrhythmic risk.

This Special Issue is designed for those fields of cardiac electrophysiology, pathophysiology, and pharmacology that are critically important to improve the efficacy and safety of antiarrhythmic treatment.



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Special Issue



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