

Special Issue

Advances in Cardiac Arrhythmias: Mechanisms, Diagnostics and Therapeutics

Message from the Guest Editor

Cardiac electrophysiology is evolving rapidly, driven by breakthroughs in molecular science, advanced imaging, computational modeling, and innovative therapeutic approaches. This Special Issue seeks broad, multidisciplinary contributions that span the spectrum from basic mechanisms of impulse formation and conduction to clinical applications that refine diagnosis, risk stratification, and treatment of arrhythmias. We welcome original research, reviews, and perspectives exploring topics such as molecular and genetic drivers of arrhythmogenesis, novel biomarkers, advanced mapping and imaging, wearable and remote monitoring, computational and AI-based tools, as well as pharmacological, device-based, and interventional therapies. Submissions addressing atrial and ventricular arrhythmias, inherited channelopathies, conduction system disorders, and arrhythmias in structural heart disease are encouraged, with a particular focus on innovative approaches that bridge mechanistic understanding and precision, patient-centered care.

Guest Editor

Dr. Paschalis Karakasis

Second Department of Cardiology, Hippokration General Hospital, Aristotle University of Thessaloniki, 54642 Thessaloniki, Greece

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

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