

Special Issue

Molecular and Cellular Mechanisms of Cardiovascular Diseases

Message from the Guest Editors

The Special Issue “Molecular and Cellular Mechanisms of Cardiovascular Disease” will focus on the pathophysiology of cardiovascular disorders including, but not limited to, hypertension, diabetes, coronary artery disease, valvular heart disease, infective endocarditis, aortic dissection and aneurysms, heart failure, congenital and acquired cardiomyopathies, and cardiac tumors. This Special Issue will focus on the known and new signaling pathways involved in the large spectrum of cardiovascular diseases, affecting calcium homeostasis, mitochondria and energy metabolism, oxidative stress, inflammation, cardiac cell survival and apoptosis, autophagy and the extracellular matrix. In addition, the alteration of hormonal and neurohormonal signaling, including adrenergic systems, renin–angiotensin–aldosterone systems, and sex hormones, as well as the molecular and cellular mechanisms leading to gender differences in cardiovascular disease will be included in this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2024)



Biomedicines

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Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/166094

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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