

Special Issue

Molecular Mechanisms and Signalling Pathways in Cardiovascular Pathophysiology

Message from the Guest Editor

As is well known, cardiovascular diseases are the leading cause of death worldwide. Understanding the pathophysiological processes that lead to the wide variety of these pathologies is essential to establishing the most appropriate treatments to combat them. In recent years, special interest has been gained in research into the subcellular processes associated with the pathophysiological particularity of each patient, with the aim of steering to more precise therapeutic strategies. This is why basic research into the cardiovascular pathophysiological intracellular signaling pathways and the molecular mechanisms involved in them is of crucial importance. Thus, this Special Issue welcomes articles that present new evidence that strengthens the knowledge of these pathophysiological mechanisms of the cardiovascular system, including cardiac and vascular excitation–contraction coupling dysfunction, endothelial damage, hypertension, heart failure, maladaptive hypertrophy, diabetic heart, and altered bioenergetics, among other mechanisms.

Guest Editor

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Message from the Editor-in-Chief

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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