

Special Issue

Molecular Research in Cardiovascular Disease 2.0

Message from the Guest Editors

Cardiovascular diseases (CVD) are the leading cause of death worldwide. Atherosclerosis, the dominant driver of CVD, is characterized by a process of chronic inflammation and endothelial dysfunction associated with vessel wall accumulation of oxidized low-density lipoproteins. The molecular and cellular mechanisms underlying various cardiovascular diseases are not completely understood. However, several signaling pathways that induce vascular remodeling are essential in both coronary heart disease and in related pathologies, such as pulmonary artery hypertension, suggesting the existence of common mechanisms in these maladies. With this Special Issue, we aim to present representative data obtained at the interface between basic science and clinical research on the molecular mechanisms of heart and vascular diseases and the novel biomarkers and molecules that can become specific targets for future therapeutic interventions. In addition, we hope that the papers presented will inspire novel innovative investigations at the bench to bedside intersection.

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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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