

Special Issue

Molecular Mechanisms and Pathophysiology of Cardiovascular Disease

Message from the Guest Editors

Even in the 21st century, cardiovascular diseases (CVD) remain a significant health issue worldwide. As early as in 2001, these diseases were recognized as the largest single cause of mortality on the planet. Today, despite the huge growth of pathophysiology knowledge and advances in molecular mechanisms, prognosis, diagnosis, and treatment, CVD remain at the world's top rank of all human death causes. In fact, the impact of CVD is growing and has reached pandemic proportions, mainly due to the great incidence of obesity in the global population. This Special Issue focuses on molecular mechanisms (vascular calcification, endothelial dysfunction, inflammation, oxidative stress, etc.) (endothelial cells, macrophages, vSMCs, platelets, cardiac myocytes, and extracellular vesicles) and pathophysiology of CVD contributing to better understanding their development, providing insights to guide designing future, more personalized, medicine. We warmly welcome submissions, including original papers and reviews, on this widely discussed topic.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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