

Special Issue

Molecular Mechanism in Cardiovascular Pathology

Message from the Guest Editor

Understanding the molecular basis of cardiovascular diseases (CVDs) is crucial for advancing diagnostics, treatment, and prevention strategies. At the heart of these diseases are complex genetic, cellular, and biochemical interactions that regulate heart function and blood vessels. By deciphering these molecular mechanisms, researchers can identify biomarkers for early detection and develop targeted therapies to improve patient outcomes. This knowledge also offers insights into the underlying causes of conditions such as atherosclerosis, heart failure, and many others, paving the way for more personalized and effective medical interventions. This Special Issue focuses on recent studies that aim to investigate the molecular basis of cardiovascular diseases including inflammatory, degenerative, and functional conditions, with a particular interest on sudden death, cardiomyopathies, coronary artery diseases, pericarditis, and heart failure. Submissions of pathological and molecular studies including biomolecular experiments (but not pure clinical experiments) are welcomed to comply with the aim of the journal.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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