

Special Issue

Recent Advancements in Primary Cardiomyopathies

Message from the Guest Editors

Cardiomyopathies are primary diseases of the myocardium, commonly genetically transmitted. The most common forms are hypertrophic (HCM), dilated (DCM), and arrhythmogenic cardiomyopathy (ACM). Cardiomyopathies are leading causes of sudden cardiac death (SCD), particularly among the young. However, early diagnosis of affected individuals remains challenging and a resolutive therapy is still lacking, as current treatments can only control the symptoms but not prevent or rescue the phenotype. Genetics, genomics, and basic science studies in cellular and animal models allow delineating the genetic bases and the molecular mechanisms implicated in the pathogenesis of cardiomyopathies in order to develop novel diagnostic tools and more specific therapies. The purpose of this Special Issue is to review the scientific bases of non-ischemic cardiomyopathies. We will focus on progresses in the current understanding of onset and natural history of these conditions. Furthermore, we will discuss advancements in genetics and genomics, and the most recent discoveries on biomarkers and novel therapeutic targets.

Guest Editors

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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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