

Joint 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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Deadline for manuscript submissions

closed (30 November 2021)

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International Journal of Molecular Sciences

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed

mdpi.com/si/61593



International Journal of Molecular Sciences

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed

mdpi.com/si/35008

