International Journal of
Molecular Sciences

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Recent Advancements in Primary Cardiomyopathies

Guest Editors:

Prof. Dr. Raffaella Lombardi
Department of Advanced Biomedical Sciences, Federico II University of Naples, Naples, Italy

Dr. Suet Nee Chen
Molecular Genetics, Cardiovascular Institute, University of Colorado Denver Anschutz Medical Campus, Aurora, CO, USA

Prof. Dr. Kalliopi Pilichou
Department of Cardiac-Thoracic-Vascular Sciences and Public Health, Università degli Studi di Padova, Padua, Italy

Deadline for manuscript submissions:
closed (30 November 2021)

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.

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Editor-in-Chief

Prof. Dr. Maurizio Battino
Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

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International Journal of Molecular Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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