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The Genetic Basis of Cardiomyopathies and Heart Failure 2022

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Deadline for manuscript submissions:
closed (25 October 2022)

Message from the Guest Editors

Dear Colleagues,

Cardiomyopathies are rapidly entering the field of personalized medicine. This is evidenced by the development of the first-in-class drug in HCM, the direct myosin inhibitor mavacamten, which has been specifically developed for the treatment of a hypercontractile sarcomere, a fundamental pathomechanism for HCM observed in experimental genetic models of HCM. Gene-based therapies, including exon skipping, trans-splicing, gene replacement and CRISPR/Cas9-based techniques have been developed and used successfully in animal models for HCM caused by *MYBPC3* mutations. Therefore, apart from investigating novel genetic mechanisms for the pathomechanisms of CMP, the knowledge of the genetic basis of each patient with cardiomyopathies already seems to be of primary importance and clinical relevance.

This Special Issue of *International Journal of Molecular Sciences* focuses on the genetic basis of cardiomyopathies and heart failure, and welcomes both original research articles and review papers that deal with the molecular mechanisms underlying the role of molecular genetics in cardiomyopathies and heart failure.

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Message from the Editor-in-Chief

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