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Heart Failure: From Molecular Pathology to Novel Therapeutic Approach

Guest Editor:

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Deadline for manuscript submissions:
closed (30 April 2024)

Message from the Guest Editor

Heart failure is a clinical syndrome caused by several structural and/or functional abnormalities. There is no single pathology underlying the basis of heart failure. Identification of the aetiology of heart failure is mandatory and it determines subsequent treatment. If pathophysiological mechanisms underlying specific respective heart failures are known, it will open new opportunities of appropriate therapies and may result in reducing the mortality of heart failure. Inherited genetic/familial cardiomyopathies are specified forms of heart failure. Finding a molecular basis for the development of heart failure, especially in people with a pathogenic gene variant, in patients with cardiomyopathy will allow better prediction of the disease outcomes and progression. Different forms of regulated cell death are implicated in the pathogenesis of heart failure. Ferroptosis is one of these pathways that contribute to heart failure.

This Special Issue seeks high-quality research articles that serve to highlight the key role of molecular mechanisms in heart failure and extends to therapies used to treat this condition.

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Message from the Editor-in-Chief

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