



New Insights on the Role of Lipid Metabolism in the Development of Cardiac Dysfunction

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Message from the Guest Editor

Myocardial lipid metabolism remains of critical importance in the resynthesis of ATP and maintenance of contraction in the healthy heart. However, lipid metabolism is suggested as a culprit mechanism in the development of cardiac dysfunction in a variety of chronic diseases such as pressure-overload hypertrophy, diabetes, obesity, and heart failure. Excessive fatty acid oxidation, decreased fatty acid oxidation, “lipotoxicity”, and changes in other lipid metabolic pathways have been implicated as potential causes of cardiac dysfunction. However, the distinguishing metabolic aberrancy in lipid metabolism could be distinct to specific pathologies or populations. This Special Issue of *Metabolites* will be dedicated to publishing original articles and reviews that provide insight into the role of alterations in myocardial lipid metabolism that contribute to the development of cardiac dysfunction. We welcome the submission of original studies or review articles that highlight changes in lipid metabolism that are the cause or consequence of cardiac dysfunction in specific pathologies. In addition, studies and papers seeking to identify changes in lipid metabolism.





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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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