



Lipid Metabolism and Cardiometabolic Diseases: Latest Advances and Prospects

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Message from the Guest Editors

Dear Colleagues,

Lipids play a key role in several process associated with physiological conditions. Lipid metabolites are indispensable regulators of physiological and pathological processes, including atherosclerosis, endothelial dysfunction and coronary artery disease. The determination of individual lipid characteristics via new tools and information technologies in biosamples could facilitate an understanding of the mechanisms implicated in lipid-based diseases. This Special Issue focuses on the interplay among lipid dysregulation-related diseases, including diabetes, obesity, metabolic-associated fatty liver disease (MAFLD), atherosclerosis, hypertension, and CAD. Subtopics that are also of interest include, but are not limited to, the following:

- Lipid assessment and cardiometabolic syndrome;
- Metabolomic/lipidomic approach and cardiometabolic risk;
- Glucose metabolism and diabetes associated with cardiometabolic disease;
- Insulin resistance and atherosclerosis, endothelial dysfunction and coronary artery disease;
- Lipidomic techniques for the discovery of new biomarkers and diagnostic/prognostic tools for cardiometabolic disease.





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Editor-in-Chief

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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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