Special Issue

Lipidomics as a Diagnostic Tool: Lipid Metabolism and Its Related Human Diseases

Message from the Guest Editors

Lipid metabolism is involved in every facet of human physiology and the dysregulation of these processes is implicated in the onset and/or progression of various diseases. In recent years, we have seen lipidomics used as a powerful tool to identify potential lipid biomarkers. However, we are only at the tip of the proverbial iceberg. There are an estimated 60,000 lipid species, though only several thousand of these have been identified with high confidence. Despite this gap, those identified lipid species are shown to be integral to human physiology and pathology, leaving a breadth of information yet to be discovered. With advances in instrumentation and computational methods, we are learning more about the function of distinct lipids in the human lipidome as well as the delicate cross-talk between lipids and protein cofactors. In this Special Issue, we seek to explore the use of lipidomics to better understand lipid metabolism. We aim to provide a more in-depth look into the human lipidome to potentially discover novel lipids, lipid mediators, or co-factors that are linked to human disease.

Guest Editors

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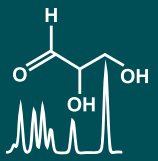

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About the Journal

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.

Editor-in-Chief

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