Special Issue

Advanced Metabolomics and Lipidomics Approaches in Studying Human Diseases

Message from the Guest Editor

Metabolomics and lipidomics have proven to be powerful strategies that enable the identification of metabolic signatures of pathological conditions, thus offering means for unraveling biomarkers and drug discovery. This Special Issue on “Advanced Metabolomics and Lipidomics Approaches in Studying Human Diseases” will serve as a platform dedicated to this pursuit. During the last decade, metabolomics and lipidomics in studying biological processes and metabolic responses of the population to pathophysiological stimuli, genetic modifications, and environmental challenges have revealed new therapeutic avenues. This Special Issue will cover research targets of outstanding medical and biological interests, in human diseases and experimental models, using a range of cutting-edge technologies and data analysis tools. Several topics including sample preparation and detection techniques, bioinformatics and data analysis, and metabolic and molecular networks will be addressed, with the aim of improving diagnosis, prognosis, and therapeutic monitoring in inherited and common human diseases.

Guest Editor

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Deadline for manuscript submissions

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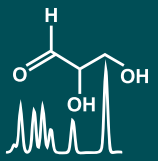

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About the Journal

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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