

Special Issue

Lipidomics in Health and Disease

Message from the Guest Editor

This is an invitation to submit research articles and reviews regarding the ever-increasing utility of lipidomics in medical and veterinary research.

Lipidomics is a specialized subfield of metabolomics, with research in this area expanding at a rapid rate. This includes basic and clinical research efforts. As a result, there are a number of potential lipid biomarkers that are under intense study in the fields of oncology, infectious diseases, neurology, and psychiatry.

Analytical advancements, particularly electrospray ionization high-resolution mass spectrometry (ESI-HR-MS), have enabled sampling across a broad domain of these lipids utilizing direct-flow analyses and the introduction of samples by chromatographic methods. Tandem mass spectrometry is also essential for validating the structures of the monitored lipids.

With this invitation, we solicit research related to basic research, lipidomics methodology, clinical diagnostics, and clinical therapies. In particular, we invite reviews of alternate analytical strategies, data validation, and available lipid databases to be submitted.

Guest Editor

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Deadline for manuscript submissions

closed (30 March 2025)



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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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