Special Issue

High-Throughput Metabolomics

Message from the Guest Editor

High-throughput metabolomics is widely employed for the identification and quantification of biochemical metabolites. Multiple high-throughput analytical platforms—including liquid chromatography–mass spectrometry (LC-MS), gas chromatography–mass spectrometry (GC-MS), nuclear magnetic resonance spectroscopy (NMR), and two-dimensional MS (2D-MS)—have been used for the comprehensive characterization of metabolites in biological systems, including discovery applications, single cell methods, and imaging MS. This Special Issue is focused on the current use of high-throughput metabolomics in biological and clinical research. Specific areas include, but are not limited to, the identification of metabolomics markers, the application of MS imaging, single cell metabolomics, 2D-MS based metabolomics, data integration, and computational and statistical methods of high-throughput metabolomics.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2020)

Metabolites

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/si/25340

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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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