Special Issue

Mass Spectrometry in Metabolomics

Message from the Guest Editor

Metabolism is the chemical process that occurs in cells and living organisms to produce substances and energy needed to sustain life. Metabolomics focuses primarily on small molecular metabolites. The metabolome is considered to be more phenotypic than the genome because metabolites are variable depending on disease and environment. However, we do not know what and how many metabolites are present in the cell. Metabolomics deals with compounds that are widely different in their physicochemical properties. Advances in mass spectrometry have made it possible to measure a large number of metabolites. Even so, it is not possible to obtain the whole picture in a single analysis. There are many challenges in mass spectrometry, such as the certainty of metabolite identification and precise control of quantitative data. However, mass spectrometry has revealed many biological phenomena through metabolomics. In this Special Issue, we will discuss the latest information on metabolomics via mass spectrometry.

Guest Editor

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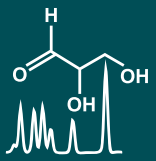
Deadline for manuscript submissions

closed (31 July 2023)



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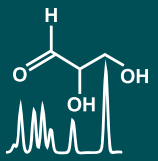

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About the Journal

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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