



Organismal Metabolism and Nutritional Support

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Message from the Guest Editors

Dear Colleagues,

The recent advancements in high throughput technologies such as metabolomics have provided us with the opportunity to explore the biomarkers of biological patient samples and helped to elucidate the functions of small molecules in driving disease progression. Currently, the application of in vivo isotope tracing and metabolic imaging technology for samples from human patients and experimental models enables us to decipher in vivo organismal metabolism under physiological conditions or its metabolic reprogramming locally within the development of chronic diseases. However, many challenges remain to be addressed, including a comprehensive metabolic landscape of organs in different stages of diseases, its cellular metabolic changes under the influence of distinct microenvironments/host dietary intake, discovery of therapeutic targets combining the study of metabolomics with that of other omics, and nutritional support to alleviate disease progression.

In this Special Issue, we invite both original and review articles on both technical and biological studies focusing on organismal metabolism and nutritional support.





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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.

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