Special Issue

Dysbiosis and Metabolic Disorders of the Microbiota

Message from the Guest Editor

ear Colleagues, Microbiota has co-evolved with hosts for a long time, and has in vita physiological and pathological roles, such as mediating host metabolism, gut barrier function, immune balance, biological rhythm, and neurobehavior. As signaling molecules and/or biocatalytic substrates, microbiota metabolites can be absorbed to affect physiological and/or pathological processes in vivo. Contributions on the following subject areas are welcome, but are not limited to:

- Methods developed for wider and/or deeper coverage of metabolome, metaproteome, or metagenome to decipher dysbiosis and metabolic disorders of the microbiota colonizing the gut, plant rhizosphere, soil, water, etc.
- Applications of omics and/or other approaches to decipher dysbiosis and metabolic disorders of gut microbiota under specific conditions, such as pathophysiology, exercise training, environmental stimuli, etc.
- Applications of omics and/or other approaches to decipher dysbiosis and metabolic disorders of environmental microbiota under specific conditions, such as changes in the climate, cultivation conditions, treatment conditions, exposure to environmental pollutants, etc.

Guest Editor

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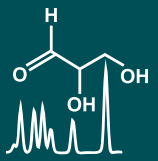

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About the Journal

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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