Special Issue

The Role of Gut Microbes in Metabolism Regulation

Message from the Guest Editors

Gut microbes could directly or indirectly affect the metabolism by interacting with metabolic pathways in the intestinal cells or adjusting the types and concentrations of metabolites circulating the body. Moreover, the symbiotic or pathogenic interactions between the host–gut microbiota highlight the positive and negative metabolic responses at the molecular, cellular, organic, physiological, and behavior levels. Due to the profound effect of gut microbes on the host's metabolism, understanding the interaction between the host–gut microbes is key to solving overweight, obesity, and related metabolic disorders.This Special Issue of Metabolites, "The Role of Gut Microbes in Metabolism Regulation", will highlight the "metabolite-mediated" interactions between the gut microbiota and host's metabolism as well as the resulting physiological effects. This Special Issue will not only include the results from basic research (cell, animal models, or wildlife), but is also open to results from epidemiological studies. In addition, new measurement methods, bioinformatical tools, and data analysis concepts are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)

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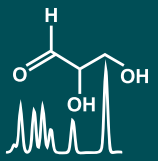

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About the Journal

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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