Special Issue

The Role of Gut Microbes in Metabolism Regulation: 2nd Edition

Message from the Guest Editors

Gut microbes, the trillions of microorganisms inhabiting the gastrointestinal tracts, modulate gut physiology and extraintestinal functions. Gut microbes can directly or indirectly affect metabolism by interacting with metabolic pathways in the intestinal cells or adjusting the types and concentrations of metabolites circulating in the body. Moreover, the symbiotic and pathogenic interactions between the host–gut microbiota highlight the positive and negative metabolic responses at the molecular, cellular, organic, physiological, and behavior levels. Emerging evidence has provided insights into the mechanism of how metabolites derived from microbiota affect host health and homeostasis. Due to the profound effect of gut microbes on the host's metabolism, understanding the interaction between 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: 2nd Edition", will highlight the "metabolite-mediated" interactions between the gut microbiota and host's metabolism as well as the resulting physiological effects.

Guest Editors

Dr. Zhengrong Yuan

Dr. Haolin Zhang

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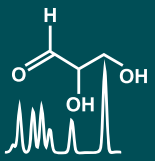
Deadline for manuscript submissions

closed (30 November 2024)



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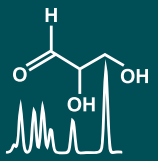

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About the Journal

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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