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Gut Microbiota and Regulation of Metabolism

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Message from the Guest Editors

The Special Issue aims to explore the intricate relationship between the gut microbiota and metabolic processes, shedding light on the profound implications for human health and disease. Recent research has unveiled the pivotal role played by the gut microbiome in modulating host metabolism, influencing nutrient absorption, energy homeostasis, immune response and even contributing to the development of metabolic disorders.

This Special Issue invites authors to contribute original research articles and reviews that delve into the molecular mechanisms underpinning the crosstalk between gut microbes and host metabolism. Topics of interest include microbial metabolites, host–microbiota interactions and the impact on diseases such as inflammatory bowel disease, colon cancer, and non-alcoholic fatty liver disease. Additionally, we encourage submissions that explore therapeutic interventions targeting the gut microbiota to regulate metabolism.



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Special Issue



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Message from the Editor-in-Chief

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