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## The Interplay between Food Intake and Gut Microbiota

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### Message from the Guest Editor

Dear Colleagues,

The special issue explores the complicated correlation and dynamic interaction mechanism between dietary choices and the intricate bacterial community inhabiting the gastrointestinal tract. This interplay is a crucial element in digestive processes, the gut barrier, inflammation, host metabolism, immunity, and general health and well-being. These microbes and metabolites have a vital role in metabolizing nutrients, regulating the immune system, and even impacting mental well-being and food choice of host. The symbiotic relationship between host and gut microbes has been proven to be influenced by food intake, which has far-reaching implications for various aspects of host health. In summary, studies on the intricate relationship between dietary intake and gut microbiota would provide valuable insights on developing personalized nutrition strategies and innovative approaches for promoting optimal health at the intersection of diet and microbial ecology.



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**Special** Issue



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## Message from the Editor-in-Chief

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