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## Impact of Microbiome Community Changes on Host Health through Metabolic Dysregulation

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Deadline for manuscript  
submissions:

**closed (15 March 2024)**

### Message from the Guest Editors

Dear Colleagues,

The human microbiome is a complex ecosystem of microorganisms that inhabit our bodies. Studies in the field of metabolomics have provided new insights into the interactions between the microbiome and its host, highlighting the role these microorganisms play in human health and disease. Research on the microbiome is ongoing and encompasses a wide range of topics, including potential connections between the microbiome and the development of chronic diseases as well as the ways in which the microbiome may influence normal metabolic processes. The microbiome represents a rapidly developing field of study with potential implications for medicine.

This Special Issue is dedicated to exploring the frontiers of microbiome–metabolome interactions and their impact on human health. We welcome submissions that delve into the mechanisms of metabolic dysregulation associated with alterations in the microbiome community and investigate the challenges of integrating clinical microbiome and metabolomic data.



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# Special Issue



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## Editor-in-Chief

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## 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.

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