

Special Issue

Novel Strategies in the Study of the Human Gut Microbiota

Message from the Guest Editor

The homeostasis of the human gastrointestinal tract is strictly dependent on the resident gut microbiota, a complex and plastic community of thousands of microbial species that live permanently or more or less temporarily in the intestinal lumen or in association with the intestinal mucosa. The study of the composition and fluctuation of the intestinal microbiota in healthy humans and in particular diseases may be of great help for the comprehension of the roles that microbes play in sustaining host health as well as of the interactions between microbes and human cells. In this view, such studies might take advantage of animal models or in vitro systems aimed at mimicking the intestinal environment. The aim of this Special Issue is to provide a collection of articles on microbiota composition and effect on human health, particularly focusing on strategies that can be adopted to study this complex and plastic microbial community, in vivo or in vitro. As the of this Special Issue, I invite you to submit research articles, review articles, and short communications related to “Novel Strategies in the Study of the Human Gut Microbiota”.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2023)



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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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