Special Issue

Gut Microbiota and Host Diseases

Message from the Guest Editor

The gut microbiota is a complex community of microorganisms, including bacteria, viruses and fungi, that inhabit the gastrointestinal tract. Over the years, it has been found that the gut microbiota is not only critical for gastrointestinal health, but also involved in a variety of disease processes, including metabolic diseases, autoimmune diseases, tumors and inflammatory diseases. In this Research Topic, we aim to explore the potential roles of gut microbiota and its metabolites in host diseases and the treatments that target gut microbiota for inflammatory diseases. We encourage the exploration of the relationship between gut microbiota and host diseases, as well as the treatment of diseases that target the gut microbiota. Both original research and review articles are welcomed here, including but not limited to, the following research topics:

- Correlation analysis of gut microbiota composition and host diseases;
- Mechanisms of gut microbiota affecting the development of host diseases;
- Prevention and diagnosis of host diseases based on gut microbiota;
- Probiotics, synbiotics, herbal medicines and other therapies that target the gut microbiota for host diseases.

Guest Editor

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Deadline for manuscript submissions

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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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