Special Issue

Gut Microbioma Structure and Functions in Human Health and Disease 2.0

Message from the Guest Editor

The gut consortium structure is driven by a number of different phenomena and is affected by many host factors. These facts, along with the complex taxonomy by which the microbiotas are analyzed, makes it difficult to interpret the gut microbial consortium and to establish if it is responsible for an important contribution (negative or positive) to the patient's health. Nevertheless, we are certain that there is a noticeable decrease in alfa-biodiversity of microbiota in people affected by certain pathologies, and that a strong correlation does exist between particular phylum or taxa with these diseases. Therefore, despite this advance in knowledge, much remains unclear. This special issue aims to fill in some of the gaps that limit us from being able to translate this partial knowledge into everyday medicine. I kindly invite researchers or clinicians to contribute reviews or original papers having as a main focus the many aspects of the gut microbial consortium in health and disease with the unique aim to better understand the structural and taxonomic relationships, while also taking into consideration the possibilities for intervention in these processes.

Guest Editor

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"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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