

Special Issue

Gut Microbiota in Disease

Message from the Guest Editor

Perturbations of the intestinal microbiota may underlie the pathogenesis of numerous disease processes, not only of the digestive tract but also of the whole organism. Complex alterations in the composition and function of the gut microbiome, collectively defined as dysbiosis, are a crucial point in the progression of pathologies, such as liver cirrhosis, immune-mediated diseases, and neurological disorders. Therefore, the modulation of the gut microbiome becomes fundamental to stop progression of several diseases, but also to regulate the response to therapy in some specific contexts, such as in cancer patients who are treated with immunotherapy. The aim of this Special Issue is to report the latest evidence on the role of the gut microbiome in influencing human health, in particular on its contribution in various disease processes, and how its modulation may affect the development and progression of diseases.

Guest Editor

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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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