

Special Issue

Interplay Between the Human Microbiome and Diseases

Message from the Guest Editors

The human microbiome has a great impact on our health throughout our lives. The human gut microbiota is the primary source of human microbial populations, contributing considerably to both positive and negative outcomes. The impact of gut microbial population has been studied intensively over the last two decades. The gut microbiota of healthy individuals differs from that of those affected by disease and the deviation in the composition can lead to different disorders. The dysbiosis of the microbiota with respect to different life-threatening diseases such as cancer, cardiovascular disease, bowel inflammatory disease and difficult-to-treat bacterial infections is of great interest. Studies support not only the discovery and understanding of the link between certain diseases and the microbiome, but also the possibility of modifying it through dietary changes, lifestyle changes, the use of special microbe cocktails or fecal microbiota transplantation. Research on the human microbiome and its role in treating diseases is welcomed for publication in this Special Issue.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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