

Special Issue

Gut Microbiota in Human Disease and Health

Message from the Guest Editor

The gut microbiota represents a key environmental modifier of human health, which can have an impact on the onset and/or progression of gastrointestinal and extraintestinal diseases, as well as on the therapeutic response. However, its drivers of variation, its interactions with the human host and the underlying mechanisms remain incompletely understood. Likewise, there is a paucity of information on the impact of manipulating the gut microbiota for preventive and therapeutic purposes. This Special Issue aims to expand current knowledge on the role of the gut microbiota in health and disease, including the potential of its modulation in disease prevention and treatment. The use of multi-omics approaches (metagenomics, metatranscriptomics, metabolomics and culturomics) is encouraged, as well as the search for and validation of mechanistic insights. Purely clinical studies are not suitable, but clinical submissions with biomolecular experiments are welcomed. **Keywords:** gut microbiota; human disease; omics; microbiota–host interactions; microbiota manipulation

Guest Editor

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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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