



Gut Microbiota in Human Disease and Health

Guest Editor:

Dr. Silvia Turrone

Department of Pharmacy and
Biotechnology, University of
Bologna, Via Belmeloro, 6-40126
Bologna, Italy

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Message from the Guest Editor

Dear Colleagues,

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





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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