

## Special Issue

# Role of Gut Microbiota in Disease Prevention

### Message from the Guest Editors

We are witnessing massive improvements in disease treatment worldwide and yet are still challenged/faced with a high incidence of non-communicable diseases that are often preventable or whose later stages could be postponed by different interventions like lifestyle changes or pharmaceutical prophylaxis. Gut microbiota has been implicated in numerous processes within the human body helping to preserve a healthy homeostasis (such as colonization resistance, immune system modulation, and the metabolism of different essential compounds), but these mechanisms of action still need further research to turn associations with diseases to effective treatments using living microorganisms, which is a promising future tool in disease prevention. This Special Issue aims to collect the latest findings on the mechanisms of gut microbiota disease prevention considering both exposomes and intrinsic factors in a holistic approach that may help us advance our science and understanding of this complex subject.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2025)



## Biomedicines

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### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

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