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Human Microbiota: Current Updates on Pathogenetic Mechanisms and Methodological Advances

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Deadline for manuscript submissions:

closed (5 October 2023)

Message from the Guest Editor

The human microbiota has gained increasing attention as a possible player contributing to the acquisition and maintenance good of health in humans in addition to disease development. Indeed, these microbial communities, living in equilibrium with the human host, are involved in different physiological functions, including immune system development, tolerance acquisition and mucosal permeability establishment. Accordingly, microbial dysbiosis has been highlighted in several diseases that are not limited to gastrointestinal conditions but extended to other organs that are influenced by local resident microbiota and/or by gut microbiota.

The intent of this Special Issue is to specifically highlight the most recent advances in metagenomic studies reporting not only microbial imbalance in specific diseases but also highlighting the molecular mechanisms linking microbes to the development of various pathologies. Research and review articles on these aspects are encouraged. We invite you to take part in this Special Issue with a scientific contribution. The manuscripts will, as always, be subjected to examination by specialized reviewers to guarantee their scientific acceptability.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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