



The Role of the Gut Microbiome in Health and Disease

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Message from the Guest Editors

Dear Colleagues,

Our understanding of the impact of microbes on their human hosts is only just emerging. These microbial communities have coevolved with us, forming astonishing 'symbiotic relationships' with our bodies that are largely responsible for our overall health. The associations between the gut microbiome and the pathogenesis of disease have positioned the gut microbiome as a potential novel target for therapeutics. This Special Issue focuses on the complex interplay between the gut microbiome and the balance between health and disease. You are invited to submit state-of the art reviews as well as original research articles on the role of microbiota found in disease, across multiple systems including but not limited to hepatobiliary, cardiovascular and urogynecological. We welcome research on all aspects of the gut microbiome in health, particularly works that demonstrate a role of gut microbiota in the pathogenesis of disease, with a focus on host-microbiota interactions, or research on the microbiome regarding its potential to yield biomarkers or therapeutics in disease.





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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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