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Regulation of Hepatic and Systemic Immune Responses by the Gut Microbiome

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Message from the Guest Editors

Dear Colleagues,

All information related to the gut microbiota presently shows an active, complex, and diverse microenvironment that deeply affects the rest of the human body. This veritable “consortium of microorganisms” as it has recently been called affects both the digestive tract as well as the whole metabolism and immune system. As the liver plays an important role in the immunological defense system, interaction with the gut microbiome may prove to be a valuable tool to modulate and improve the response to disease, providing both insight on the pathophysiology of various conditions, as well as giving birth to a novel arsenal of therapeutic measures. Neuroendocrine pathways and neuromodulators also play a definitive role in the gut-immune axis, and researchers in this field are providing a constant stream of important data.

We kindly invite you all to contribute both original research as well as comprehensive literature updates to this important topic.



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Special Issue



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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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