

Special Issue

Regulation of Hepatic and Systemic Immune Responses by the Gut Microbiome

Message from the Guest Editors

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.

Guest Editors

Prof. Dr. Cristin Constantin Vere

Gastroenterology and Internal Medicine, University of Medicine and Pharmacy of Craiova, Craiova, Romania

Prof. Dr. Costin Teodor Streba

Department of Research Methodology, University of Medicine and Pharmacy of Craiova, 200533 Craiova, Romania

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Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary and Biomedical Sciences, College of
Veterinary Medicine, University of Minnesota, Saint Paul, MN 55108,
USA

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