

## Special Issue

# Microbiota and Sepsis: Interactions and Future Perspectives

### Message from the Guest Editor

Dysbiosis in septic patients may play a role in determining the course of the disease by increasing systemic pro-inflammatory cytokine production. The microbiota could have therapeutic properties, although the underlying mechanism for the observed dysbiosis is unclear. Mounting evidence suggests that severe infection may have an impact on the host microbiota and gut inflammation, infecting intestinal epithelial cells and involving the microvascular system of the gastrointestinal tract. This possible link and its implications can be investigated by observing the effects of the modulation of the microbial flora in critically ill patients with severe infections.

This Special Issue aims to expand the current knowledge of the interactions between microbiota and sepsis in different stages and possible therapeutic exploitations, including new therapies. Experimental studies using in vitro and in vivo models, review articles, and clinical studies are all welcome to be submitted.

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### Guest Editor

Dr. Alessandro Russo

Infectious and Tropical Disease Unit, Department of Medical and Surgical Sciences, 'Magna Graecia' University of Catanzaro, Catanzaro, Italy

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### Deadline for manuscript submissions

closed (15 October 2023)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

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Department of Physiology, Institute of Nutrition and Food Technology  
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