

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.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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