

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

Dr. Alessandro Russo

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

Deadline for manuscript submissions

closed (15 October 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/154468

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)