

Special Issue

Sepsis: From Molecular Mechanisms, Pathophysiology to Novel Therapeutic Approaches 2.0

Message from the Guest Editor

Considering antibiosis, eradication of the focus, and intensive care supply as the only treatment regimens for patients suffering from sepsis, it is obvious that new therapies are mandatory. Because the anamneses of patients are very heterogeneous, characterizing mechanistic details associated with sepsis initiation or progression will be helpful to set up new therapy approaches. Therefore, manuscripts elucidating molecular mechanisms in vitro or in vivo in preclinical models as well as studies from patients providing insights into new therapy concepts to prevent or treat sepsis progression are welcome. Review and original articles that cover, but are not limited to, the following topics are welcome:

- Cell culture studies, characterizing and/or identifying new factors involved in sepsis development;
- The role of immune cell subpopulations in sepsis progression;
- Animal models providing mechanistic insights of underlying principles leading to sepsis;
- Therapeutic approaches to prevent or cure sepsis and future perspectives;
- Definition of new sepsis biomarkers;
- Characterization of putative subgroups of sepsis patients with a similar origin of sepsis.

Guest Editor

Prof. Dr. Andreas von Knethen

Department of Anaesthesiology, Intensive Care Medicine and Pain Therapy-Experimental Unit, University Hospital Frankfurt, Theodor-Stern-Kai 7, Building 9B, 3rd Floor, 60590 Frankfurt, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

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

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