

## Special Issue

# Biomarkers and Rapid Microbiological Techniques for Optimizing the Diagnosis and Treatment of Patients with Sepsis

### Message from the Guest Editors

In recent years, there have been advances in the use of laboratory techniques to improve the early recognition of sepsis. Some of these involve the discovery or evaluation of biomarkers or digital signatures of sepsis in order to improve the timeliness and accuracy of diagnosis or new therapeutic targets. Rapid diagnosis and appropriate antibiotic therapies are essential and have been shown to improve survival. Despite the importance of early detection, current technologies and clinical methods are often insufficient because they lack the necessary speed, specificity or sensitivity. Given the complexity of sepsis treatment, there is a need for rapid microbiological diagnostic panels that, combined with clinical data and biomarker profiles, allow for the early optimization of empirical antibiotic treatment. Regarding the scope of this Special Issue on biomarkers and rapid microbiological diagnostic techniques, the authors should offer attractive research perspectives on the utility and impact of using different types of biomarkers or rapid microbiological identification panels in patients with sepsis.

### Guest Editors

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

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