

Special Issue

Microbial Infections and Sepsis: Pathophysiological Mechanisms and Therapeutic Approaches

Message from the Guest Editor

Sepsis survivors exhibit immune dysfunction, hematological changes, and an increased risk of infection. Clinical and experimental studies indicate that sepsis causes an immunosuppressive state characterized by diminished antimicrobial effector functions that increase susceptibility to infection. Sepsis-induced immunosuppression is multi-factorial and thought to be due to impaired cytokine secretion and diminished phagocytic activity of myeloid cells. However, researchers are still trying to discover whether and how sepsis impacts stem cell location and mobilization long-term, upon recovery from sepsis. In this Special Issue, we aim to accumulate original research articles and review articles related to pathophysiological mechanisms and therapeutic approaches in sepsis.

Guest Editor

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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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