

Special Issue

A Commemorative Issue in Honor of Professor Peter A. Ward: World Expert in Sepsis

Message from the Guest Editor

Sepsis has long been a scourge in human medicine. In humans with sepsis, there is a strong activation of complement factors and release of histones from neutrophils (PMNs) and macrophages (MΦs) that are strongly proinflammatory. has spent nearly 50 years in active research on leukocytes, neutrophils, macrophages, histones, and their roles in sepsis and inflammatory disorders. Much is known about how both PMNs and MΦs are affected by complement activation products, resulting in a series of events that cause proinflammatory responses in cells and organs. Activated histones may undergo chemical modifications such as methylation, acetylation, etc., enhancing the biological proinflammatory activities of histones. These chemical responses may enhance or inhibit the functions of histones and inflammation. This Special Issue focuses on sepsis, an inflammatory response in PMNs and MΦs, and results in extensive cell and organ damage. Cell and organ injury may result from a destructive inflammatory response that is especially lethal in elderly humans.

Guest Editor

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Deadline for manuscript submissions

20 December 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/209104

*International Journal of
Molecular Sciences*
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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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