

Special Issue

Molecular Mechanism of Infectious Disease

Message from the Guest Editor

The acute infection of pathogens elicits strong immune responses in the host to clear invading pathogens and infected cells. These innate and adaptive immune responses lead to the eventual recovery of most infected individuals. Numerous proteins from pathogens, signal molecules, receptors, cytokines, and chemokines have been known to be involved in this process. Each pathogen has unique ways to infect, and has employed mechanisms to escape and/or evade the host immune responses. In some cases, acute symptoms develop into fatal systemic deterioration showing coagulation abnormality or immunological tolerance. Systemic reactions can lead to poor understanding of underlying biological events during the acute phase of immune response. Emerging knowledge of new inflammatory molecules revealed a novel aspect of the pathophysiology of acute infectious diseases. In this Special Issue, we will focus on the novel molecules involved in infection to have a better understanding of infectious diseases.

Guest Editor

Prof. Dr. Toshio Hattori

1. Graduate School of Public Health, Shizuoka Graduate University of Public Health, Shizuoka 420-0881, Shizuoka, Japan
2. International Research Institute of Disaster Science, Tohoku University, Sendai 980-8577, Miyagi, Japan

Deadline for manuscript submissions

closed (31 December 2017)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/9207

*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)