



## Molecular Mechanism of Infectious Disease

Guest Editor:

**Prof. Dr. Toshio Hattori**

1. Visiting Professor, Graduate  
School of Public Health,  
Shizuoka Graduate University of  
Public Health, Shizuoka 420-  
0881, Shizuoka, Japan  
2. Emeritus Professor, Tohoku  
University, Sendai 980-8577,  
Miyagi, Japan

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### Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Toshio Hattori  
*Guest Editor*





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## 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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*International Journal of Molecular  
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MDPI, St. Alban-Anlage 66  
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