

Special Issue

Inflammation, Inflammatory Diseases, and Inflammasomes

Message from the Guest Editors

Much effort has been made on demonstrating the mechanisms of inflammatory responses and developing anti-inflammatory therapeutics, however, previous studies have mainly focused on the “priming”, a preparatory step of inflammatory responses. Recent studies have actively demonstrated the “triggering”, an activation step of inflammatory responses. The Cardinal feature of the triggering is the activation of inflammasomes, intracellular inflammatory protein complexes. Previous studies have demonstrated the roles of inflammasomes in inflammatory responses and diseases, which provides strong evidence that inflammasomes are central players for inflammation and new potential targets for novel anti-inflammatory drug development. However, inflammasome functions and their dysregulation in inflammatory responses and diseases still remain to be investigated. This Special Issue welcomes the studies focusing on but not limited to the role of inflammasomes in inflammatory responses and disease, identification and validation of novel molecules regulating inflammasome functions, and potential inflammasome-targeted therapeutics. The Special Issue Start date is 26 July 2022.

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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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