

## Special Issue

# The NLRP3-Inflammasome in Health and Disease

### Message from the Guest Editor

In the last decades, many in vitro and in vivo studies have demonstrated that the aberrant NLRP3 activation is strongly involved in the pathogenesis of prevalent diseases, including inflammatory bowel disease, coronary heart disease, chronic kidney disease, autoimmune diseases, neurodegenerative diseases and cancer. Furthermore, genetic studies uncovered mutations or genetic variants in NLRP3 inflammasome components, conferring the susceptibility for diseases, such as diabetes and systemic inflammation. Finally, recently it has been proposed that dysregulated epigenetic mechanisms may contribute to the clinical manifestations of autoinflammatory syndromes by upregulating the expression of inflammasome components.

Therefore, it is our pleasure to invite investigators to contribute to this Special Issue with original research articles, aimed to better elucidate the current knowledge of the physiological and pathophysiological mechanisms of NLRP3 inflammasome activation in health and diseases and to propose new therapeutic approaches targeting NLRP3 inflammasome.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2022)



## 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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### Editor-in-Chief

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