

Special Issue

NOD-like receptors in inflammatory and autoimmune diseases

Message from the Guest Editor

Sensing pathogen or pathogen-associated molecular patterns (PAMPs) by pattern recognition receptors (PRRs) is the critical first step for an effective immune response against pathogens. NOD-like receptors (NLRs) are a group of PRRs which are dedicated to sensing pathogens and PAMPs in the cytoplasm. The biological functions of NLRs are diverse, and involve the assembly of the inflammasome complex, activation of the NF- κ B and MAPK pathways, and inhibition of inflammatory signaling pathways. Although the role of different NLR proteins in diverse microbial infections has been studied extensively, recent studies shed light on the critical role of NLRs in inflammatory and autoimmune diseases. This Special Issue calls for original research, mini and full reviews, and perspectives that address the progress and current knowledge on the role of NLRs in diverse inflammatory and autoimmune diseases. Reviews and original research focusing on the molecular mechanisms of NLR-mediated regulation of immune responses and cell signaling pathways are welcome. For further reading, please visit the [Special Issue Website](#).

Guest Editor

Dr. Hasan Zaki

Department of Pathology, UT Southwestern Medical Center, Dallas, TX 75390, USA

Deadline for manuscript submissions

closed (31 January 2018)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/19601

*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)