

Special Issue

IL-36 Family Cytokines in Physiological and Pathophysiological Inflammation

Message from the Guest Editor

The IL-36 family of cytokines is a poorly understood subfamily of the IL-1 family. It consists of three pro-inflammatory receptor agonists: IL-36 α , IL-36 β , IL-36 γ ; one IL-36 receptor (IL-1R6) antagonist: IL-36RA; and one putative IL-1R6 antagonist: IL-38. Experimental data suggest that IL-36 family cytokines play a role in the protection of barrier tissues from infection, but also in the auto-inflammatory disorders in these tissues. The most prominent example of this is most likely the increased susceptibility to generalized pustular psoriasis, which is caused by mutations in IL-36RA. There is still much to learn about the function of IL-36 family cytokines in inflammatory disorders, including auto-immunity and cancer. Therefore, this Special Issue welcomes original research and review articles that focus on the molecular aspects of IL-36 family signaling in physiological and pathophysiological inflammation.

Guest Editor

Dr. Andreas Weigert

Institute of Biochemistry I, Faculty of Medicine, Goethe-University Frankfurt, 60590 Frankfurt, Germany

Deadline for manuscript submissions

closed (31 December 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/110793

*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)