

Special Issue

Advances in Pro-Inflammatory and Anti-Inflammatory Cytokines

Message from the Guest Editor

Over the past few years, research on pro-inflammatory and anti-inflammatory cytokines has tremendously furthered our understanding in the field of biology on a molecular level with disease progression. The balance between pro-inflammatory and anti-inflammatory cytokines contributes to homeostasis and maintenance of well-being. This has led to the potential new therapies, providing prophylactic or mitigative benefits to the treatment of complicated diseases. For example, using exosomes packed with cytokine(s) to correct certain metabolic problems or organ dysfunction has been published. A great deal of this progress is due to efforts that bridge across disciplines including molecular biology, biochemistry, pharmacology, and clinical medicine. The focus of this Special Issue is to bring together the most recent developments and state-of-the-art research studies to understand the molecular interaction between pro-inflammatory and anti-inflammatory cytokines and develop advanced prophylactics, mitigators, and therapies by managing the crosstalk of pro-inflammatory and anti-inflammatory cytokines. Original research articles, comprehensive reviews, and other types are all welcome.

Guest Editor

Dr. Juliann G. Kiang

Armed Forces Radiobiology Research Institute, Uniformed Services University of the Health Sciences, Bethesda, MD 20889-5648, USA

Deadline for manuscript submissions

20 August 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/209270

*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)