

Special Issue

Inflammation and Cancer 2021

Message from the Guest Editors

Activation of inflammasomes, which are large protein complexes, plays a critical role during inflammation by producing cytokines. The activation of inflammasomes plays diverse and sometimes contrasting roles in cancer promotion and therapy, depending on the specific context. Recent studies have shown that autophagy, an intracellular degradation system associated with maintenance of cellular homeostasis, plays a key role in inflammasome inactivation. Meanwhile, autophagy is induced upon progression of various human cancers to metastasis. Thus, major players in inflammation may be a double-edged sword for carcinogenesis. In this context, appropriate strategies will be required to prevent cancer.

In light of this, this Special Issue, entitled "Inflammation and Cancer 2021", is well-timed to say the least, and provides a practical appreciation for the many biochemical, molecular, immunological, and cellular mechanisms shared by cancer and inflammatory processes.

Guest Editors

Dr. Michihiro Mutoh

Prof. Dr. Takuji Tanaka

Prof. Dr. Masahito Shimizu

Deadline for manuscript submissions

closed (31 May 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/78838

*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)