

## Special Issue

# Clarification of Mechanism of Carcinogenesis

### Message from the Guest Editors

Carcinogenesis is a multiparametric process that involves various factors, such as genetic, epigenetic, immune system-based, and environmental factors. Understanding the fundamental and underlying mechanisms of carcinogenesis at the cellular and molecular levels is essential for developing new therapeutic strategies for malignancies. Recent innovative scientific technology, such as gene targeting with the CRISPR Cas system and bioinformatic analysis, using next generation sequencing or artificial intelligence, has significantly contributed to our understanding of tumor biology. Besides, host immunity has been brought back into the spotlight in tumor progression. This Special Issue will focus on carcinogenesis and will gather novel works dealing with the mechanisms involved in carcinogenesis, by biological or bioinformatic analysis. Both original manuscripts and critical reviews are welcome.

### Guest Editors

Dr. Takaaki Masuda

Department of Surgery, Kyushu University Beppu Hospital, 4546  
Tsurumihara, Beppu 8740838, Japan

Prof. Dr. Koshi Mimori

Department of Surgery, Kyushu University Beppu Hospital, 4546  
Tsurumihara, Beppu 8740838, Japan

### Deadline for manuscript submissions

closed (30 November 2021)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/57720](https://mdpi.com/si/57720)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)