

Special Issue

Biology of Oral Cancer

Message from the Guest Editor

Oral cancer remains a significant global health challenge, with an increasing incidence and high mortality rates despite advancements in therapy. This Special Issue of IJMS aims to provide a comprehensive platform for the latest research on the molecular mechanisms underlying oral cancer biology.

We particularly welcome original research and review articles focusing on the following areas: Genomic and epigenetic alterations in oral cancer initiation and progression; Novel molecular biomarkers for early detection and prognosis; Mechanisms of therapy resistance and tumor recurrence; Interactions between oral microbiome and cancer development; Tumor microenvironment and immune evasion strategies; Emerging targeted therapies and immunotherapeutic approaches; Liquid biopsy applications in oral cancer management; Molecular pathways of field cancerization and premalignant lesions.

This Special Issue is supervised by and assisted by our Topical Advisory Panel Member Dr. Paulina Adamska (Medical University of Gdańsk, https://www.mdpi.com/journal/ijms/topical_advisory_panel?search=Paulina+Adamska).

Guest Editor

Dr. Rafał Pęksa

Department of Pathomorphology, Medical University of Gdansk, 17 Mariana Smoluchowskiego Street, 80-214 Gdansk, Poland

Deadline for manuscript submissions

10 December 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/235285](https://www.mdpi.com/si/235285)

*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://www.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)