



## Oral Cancer: Update on Molecular Pathology, Mechanisms and Treatments

Guest Editor:

**Prof. Dr. Norio Sogawa**

Department of Molecular  
Engineering and Drug  
Developmental Sciences,  
Graduate School of Oral  
Medicine, Matsumoto Dental  
University, Shiojiri 399-0781,  
Japan

Deadline for manuscript  
submissions:  
**closed (20 November 2025)**

### Message from the Guest Editor

Dear Colleagues,

Oral cancer is a generic term for the malignant tumors that occur in the stomatognathic region and is characterized as having multiple risk factors. The relationship between the incidence of oral cancer and lifestyle factors, such as diet, smoking tobacco, drinking alcohol, and oral hygiene habits. Additionally, mechanical stimulation by prosthetic devices also triggers the incidence and development of oral cancer. Moreover, it has recently been reported that periodontitis and periodontopathic bacteria can be individual risk factors for oral cancer development. On the other hand, the oral cavity is covered with mucosal surfaces, consisting of squamous epithelia other than the teeth. Therefore, it also shows that more than 90% of oral cancers are squamous cell carcinomas pathologically. This Special Issue provides an update on the situation of oral cancer (the possible mechanisms of incidence and development, diagnosis, biomarkers, and treatments that are based on the actions of and changes in molecules) from multiple perspectives, such as pathologically, bacteriologically, biochemically, molecularly, and pharmacologically.

Prof. Dr. Norio Sogawa  
Guest Editor





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. José L. Quiles

Department of Physiology,  
Institute of Nutrition and Food  
Technology “Jose Mataix”,  
Biomedical Research Center,  
University of Granada, Avda.  
Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

## 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)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI