

## Special Issue

# Cellular Mechanisms in Oral Cavity Homeostasis and Disease

### Message from the Guest Editor

The oral cavity represents a unique and dynamic microenvironment, where diverse cell types—including epithelial cells, immune cells, fibroblasts, endothelial cells, and mesenchymal stem cells—interact to maintain tissue integrity and immune balance. Cellular mechanisms such as proliferation, differentiation, migration, immune modulation, and extracellular matrix remodeling are central to preserving oral homeostasis. Disruptions in these tightly regulated processes can lead to pathological conditions including periodontitis, oral mucosal diseases, and oral cancer. This Special Issue focuses on exploring the molecular and cellular pathways that govern oral tissue development, regeneration, and response to injury or infection. Emphasis is placed on the role of signaling cascades, stem cell plasticity, inflammatory networks, and intercellular communication in both physiological and pathological states. We invite original research articles and comprehensive reviews that advance the understanding of how cellular processes contribute to oral health and disease progression.

### Guest Editor

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### Deadline for manuscript submissions

28 February 2026



## Cells

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## About the Journal

### Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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### Editors-in-Chief

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).