

## Special Issue

# Molecular Mechanisms of Periodontal Disease and Autoimmune Diseases

### Message from the Guest Editor

Periodontitis is the sixth most common health condition in the world, affecting at least 47% of adults aged 30 years and older in the United States. Periodontitis is a destructive inflammatory disease triggered by dental bacterial plaque that if left untreated can lead to tooth mobility and tooth loss. Several studies have demonstrated the involvement of autoimmune responses in periodontal disease, but also that periodontal diseases can increase the susceptibility or exacerbate autoimmune diseases such as rheumatoid arthritis, type I diabetes mellitus, systemic lupus erythematosus, Crohn's disease, scleroderma and Sjögren's syndrome. Understanding the linking mechanisms of pathogenesis characterized by a dysregulated host immune response in periodontal and autoimmune diseases may provide new therapeutic options and targets for both disorders. The aim of this Special Issue is to provide the most updated research on the molecular mechanisms that underlie the two-way connection between periodontal disease and autoimmune diseases. Both original research and review articles on this topic will be accepted.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 February 2025)



## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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