



## Molecular Biology of Parathyroid Tumors 2.0

Guest Editor:

**Dr. Sabrina Corbetta**

Department of Pathophysiology  
and Transplantation, University  
of Milan, Milan, Italy

Deadline for manuscript  
submissions:

**closed (31 January 2023)**

### Message from the Guest Editor

Parathyroid tumors are the second most common endocrine neoplasia. They are mainly benign lesions associated with parathormone (PTH) inappropriate secretion, determining the metabolic disorder known as primary hyperparathyroidism (PHPT). Parathyroid tumors are characterized by calcium-sensing receptor (CASR)-mediated reduced sensitivity to extracellular calcium. However, many aspects of the molecular biology of the parathyroid tumors need to be explored, such as the molecular pathways related to the genetic and epigenetic aberrations, and their effects on parathyroid cell proliferation and/or sensitivity to extracellular calcium, in order to provide targets for new therapeutic approaches, which are lacking.

Our Special Issue aims to widely explore the molecular and biological features of parathyroid tumorigenesis, focusing on genetic and epigenetic aspects, parathyroid cell proliferation and biology, tumor microenvironment, CASR-mediated sensitivity to extracellular calcium, deregulation of the PTH release, and the differences between the benign and malignant behavior of the parathyroid cells, considering original articles and review papers.





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

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