



an Open Access Journal by MDPI

Regulation Mechanism of Osteoblast/Osteoclast Differentiation

Guest Editors:

Prof. Dr. Hyung-Mun Yun

Department of Oral Maxillofacial Pathology, School of Dentistry, Kyung Hee University, 26 Kyungheedae-ro, Dongdaemungu, Seoul 02447, Republic of Korea

Dr. Kyung-Ran Park

Korea Basic Science Institute (KBSI), Natural Science Campus, Korea University, 145 Anam-ro, Seongbuk-gu, Seoul 02841, Republic of Korea

Deadline for manuscript submissions: **15 June 2024**

Message from the Guest Editors

Dear Colleagues,

The differentiation of osteoblasts and osteoclasts plays a central role in bone formation and remodeling by tightly regulating bone matrix mineralization. Pathologically, impaired differentiation induces bone diseases such as osteoporosis and associated diseases such as cancer and metabolic diseases. Therefore. research targeting osteoblast or osteoclast differentiation is attracting attention as a promising strategy for the prevention and treatment of these diseases. This Special Issue focuses on the "Regulation Mechanism of Osteoblast/Osteoclast Differentiation", contributing to bone development, formation, remodeling, and diseases through in vitro and/or in vivo studies. We warmly welcome submissions, including original papers and reviews, on this widely discussed topic.

Specialsue

Prof. Dr. Hyung-Mun Yun Dr. Kyung-Ran Park *Guest Editors*



mdpi.com/si/176828





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