

Hong-Hee Kim

Curriculum Vitae



Professor
Department of Cell and Developmental Biology, School of Dentistry, Seoul National University, Korea

● **Educational Background & Professional Experience**

2010.4–Present	Professor, Department of Cell and Developmental Biology, Seoul National University School of Dentistry
2008.9–2015.2	Director, Bone Metabolism Research Center, Seoul National University
2005.4–2010.3	Associate Professor, Department of Cell and Developmental Biology, Seoul National University School of Dentistry
2003.3–2005.3	Assistant Professor, Department of Cell and Developmental Biology, Seoul National University School of Dentistry
2000.4–2003.2	Assistant Professor, Department of Microbiology and Immunology, Chosun University School of Dentistry
1997.11–2000.3	Instructor, Department of Microbiology and Immunology, Chosun University School of Dentistry
1995.8–1997.10	Research Associate, Harvard Medical School/Dana–Farber Cancer Institute
1990.6–1995.8	Ph.D., Department of Pharmacology, University of Iowa, Medical School
1982.3–1986.2	BS, College of Pharmacy, Seoul National University

● **Research Interests**

Molecular understanding of bone metabolism
Interaction between bone and immune system
Periodontitis and systemic diseases

● **Publications**

1. Lee M, Kim MK, Mo S, Bae YS, Kim HH. Inhibition of salt-inducible kinases resolves autoimmune arthritis by promoting macrophage efferocytosis. *Signal Transduction and Targeted Therapy*. 2025, 10:293.
2. Jang JS, Hong SJ, Mo S, Kim MK, Kim YG, Lee Y, Kim HH. PINK1 restrains periodontitis-induced bone loss by preventing osteoclast mitophagy impairment. *Redox Biology*. 2024, 69, 103023.
3. Kim HY, Song MK, Gho YS, Kim HH*, Choi BK*. Extracellular vesicles derived from the periodontal pathogen Filifactor alocis induce systemic bone loss through Toll-like receptor 2. *Journal of Extracellular Vesicles*. 2021, 10:e12157.
4. Kim B, Kim H, Jung S, Moon A, Noh DY, Lee ZH, Kim HJ, Kim HH. A CTGF–RUNX2–RANKL axis in breast and prostate cancer cells promotes tumor progression in bone. *Journal of Bone and Mineral Research*. 2020, 35:155–66.
5. Chang EJ, Jeongim Ha J, Oerlemans F, Lee YJ, Lee SW, Ryu J, Kim HJ, Lee Y, Kim HM, Choi JY, Kim JY, Shin CS, Pak YK, Tanaka S, Wieringa B, Lee ZH, Kim HH. Brain-type creatine kinase has a crucial role in osteoclast-mediated bone resorption. *Nature Medicine* 2008,14:966–972.

