

Dong-Kyo Lee

Curriculum Vitae



Postdoctoral Researcher
 Department of Internal Medicine and Laboratory of Genomics and Translational Medicine, Gachon University College of medicine, Incheon, Korea

Educational Background & Professional Experience

2025.5–Present	Postdoctoral Researcher, Department of Internal Medicine and Laboratory of Genomics and Translational Medicine, Gachon University
2025.2–2025.5	Postdoctoral Researcher, Department of biochemistry and cell biology, Cell and matrix research institute, School of medicine, Kyungpook National University
2020.8–2025.2	Ph.D., Kyungpook National University
2018.8–2020.8	M.S., Kyungpook National University
2012.1–2018.8	B.S., Inje University

Research Interests

Research interests include endocrine regulation of skeletal homeostasis, GPCR-mediated signaling, and mutation-driven modulation, with a focus on PTH/PTH1R biology.

Publications

1. Lee DK, Jin X, Choi PR, Cui Y, Che X, Lee S, Hur K, Kim HJ, Choi JY, Phospholipase C b4 promotes RANKL-dependent osteoclastogenesis by interaction with MKK3 and p38 MAPK, Exp Mol Med, 2025.
2. Noh M, Che X, Jin X, Lee DK, Kim HJ, Park DR, Lee SY, Lee H, Gardella T, Choi JY, Lee S, Dimeric R25C PTH(1–34) Activates the Parathyroid Hormone–1 Receptor in vitro and Stimulates Bone Formation in Osteoporotic Female Mice, eLife, 2025.
3. Hyun–Ju Kim, Dong–Kyo Lee, Xian Jin, Xiangguo Che, Sung Ho Ryu, Je–Yong Choi, Phospholipase D2 controls bone homeostasis by modulating M–CSF-dependent osteoclastic cell migration and microtubule stability, Exp Mol Med, 2022.
4. Hyun–Ju Kim, Hye–Jin Yoon, Dong–Kyo Lee, Xian Jin, Xiangguo Che, Je–Yong Choi, The estrogen-related receptor γ modulator, GSK5182, inhibits osteoclast differentiation and accelerates osteoclast apoptosis, BMB Rep, 2021.
5. Hyun–Ju Kim, Dong–Kyo Lee, Xian Jin, Xiangguo Che, Je–Yong Choi, Oleoylethanolamide Exhibits GPR119–Dependent Inhibition of Osteoclast Function and GPR119–Independent Promotion of Osteoclast Apoptosis, Mol cells, 2020.

