

Curriculum Vitae

Je-Yong Choi

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● Education

- 1982.3-1988.2 BS, D.D.S., School of Dentistry, Kyungpook National University (KNU)
1988.3-1994.3 PhD/Assisting teacher, School of Dentistry, KNU

● Professional Career

Positions

- 2019-2022 Director of Center for Laboratory Animal Resources in KNU, Korea
2018-2021 Advisory board member of Science and Technology Policy Institute (STEPI), Korea
2017-2018 Director of Industry and Academic Cooperation Foundation, KNU
2014-2016 Associate Dean for Academic Affairs, School of Medicine, KNU
2009-2011 Director of Center for Laboratory Animal Resources in KNU, Korea
2009-Present Professor, Department of Biochemistry & Cell Biology, School of Medicine, KNU
2008-2009 Vice Director of Industry and Academic Cooperation Foundation, KNU
2006-2006 Visiting Professor, Graduate School of Medicine, University of Tokyo, Japan
2004-2009 Associate Professor, Dept. of Biochemistry & Cell Biology, School of Medicine, KNU
2001-2004 Assistant Professor, Dept. of Biochemistry, School of Medicine, KNU
1999-2001 Assistant professor, Medical Research Institute, KNU Hospital
1998-1999 Instructor Dept. Cell Biology, UMASS Medical School, MA, U.S.A
1996-1997 Postdoctoral fellow, Dept. Cell Biology, UMASS Medical School, MA, U.S.A.
1993-1996 Military service as a public health doctor

● Research Area

Our laboratory focuses on elucidating the molecular mechanisms of bone homeostasis through functional studies of the RUNX/CBFB complex in skeletal and non-skeletal tissues. RUNX2/CBFB complex is essential in forming osteoblasts, chondrocyte maturation, and bone marrow formation in skeletal tissues. We recently focused on the upstream and downstream regulation of RUNX/CBFB complexes in skeletal and non-skeletal tissues. These studies will ultimately contribute to translational research in developing treatments for bone diseases such as osteoporosis and osteoarthritis.

● Main Publications

Kim HJ, Lee DK, Jin X, Che X, Ryu SH, Choi JY. Phospholipase D2 controls bone homeostasis by modulating M-CSF-dependent osteoclastic cell migration and microtubule stability. *Exp Mol Med.* 2022; 54:1146-1155.