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Education

02/2000: **B.S**. Department of Genetic Engineering, Chonnam National University, Kwang-Ju, South Korea
02/2002: **M.S**. Division of Molecular and Life Sciences, Pohang University of Science and Technology (POSTECH), Pohang, South Korea
08/2005: **Ph.D.** Division of Molecular and Life Sciences, Pohang University of Science and Technology (POSTECH), Pohang, South Korea

Professional Experience

2006-2007: **Senior Researcher**, Genexine Inc., South Korea
2008-2010: **PostDoc**, Department of Biochemistry, Molecular Biology and Biophysics, University of Minnesota, Minneapolis, USA
2011-2015: **Research Associate**, Department of Biochemistry, Molecular Biology and Biophysics, University of Minnesota, Minneapolis, USA
2016-present: **Head** of Biotech Institute, Amicogen Inc., South Korea

Professional Expertise

a) Enzyme mechanism, Industrial enzyme, Protein engineering,
b) Cell metabolism (mTOR kinase)

Selective papers

a) Yun, et al. mTORC1 Coordinates Protein Synthesis and Immunoproteasome Formation via PRAS40 to Prevent Accumulation of Protein Stress. *Molecular Cell 61(4), 625-639*
b) Yun, et al. Arg158 is Critical in Both Binding the Substrate and Stabilizing the Transition-State Oxyanion for the Enzymatic Reaction of Malonamidase E2. *J. Biol. Chem. 281, 40057-40064.*
c) Yun, et al. Small Exterior Hydrophobic Cluster Contributes to Conformational Stability and Steroid Binding in Ketosteroid Isomerase from *Pseudomonas putida* Biotype B. *FEBS J. 272, 1999-2011*.
d) Yun, et al. Origin of the different pH activity profile in two homologous ketosteroid isomerases. *J. Biol. Chem. 278, 28229-28236.*