

Curriculum Vitae

In-Sook Kwun

Professor
Andong National University



● Educational Background & Professional Experience

1998–Present	Andong National University, Professor
1990–1995	Texas Tech University, USA, Ph.D
1982–1984	Kyungpook National University, MS
1978–1982	Kyungpook National University, BS
2020–Present	UN WHO/FAO Expert Group on Trace Element Nutrients, Expert group
2016	The Korean Food Science and Nutrition, Vice-president
2012–2016	Preventive Nutrition and Food Research, Editor-in-Chief
1996–1997	University of Aberdeen (Rowett Research Institute), UK, Researcher
1995–1996	University of Florida, USA, Researcher

● Research Interests

Research interests are focused on understanding how bio-trace element zinc in our body influence aspects on cell function and human health, in particular in relation to bone health and cardiovascular disease, including cell apoptosis and calcification mechanism.

● Publications

1. Lee JK, Ha JH, Kim DK, Kwun JH, Cho YE, Kwun IS*. Depletion of intracellular zinc causes osteoblast apoptosis with elevation of leptin secretion and phosphorylation of JAK2/STAT3. *Nutrients* 2022 Dec. 15(1):77.
2. Mee-Young Shin and In-Sook Kwun*. Zinc restored the decreased vascular smooth muscle cell viability under atherosclerotic calcification conditions. *Prev Nut Food Sci* 2014 Dec. 19(4):363-366.
3. Ou O, Allen-Redpath K, Urgast D, Gordon MJ, Campbell G, Feldmann J, Nixon GF, Mayer CD, Kwun IS*. Plasma zinc's alter ego is a low-molecular-weight humoral factor. *FASEB Journal* 2013;27:3672-82.
4. Alcantara EH, Shin MS, Feldmann J, Nixon GF and Kwun IS*. Long-term zinc deprivation media accelerates rat vascular smooth muscle cell proliferation involving the down-regulation of JNK1/2 expression in MAPK signaling. *Atherosclerosis* 2013;228:46-52.
5. Kwun IS*, Cho YS, Lomeda RR, Shin HI, Choi JY, Kang YH, Beattie JH. Zinc deficiency suppresses matrix mineralization and retards osteogenesis transiently with catch-up possibly through Runx2 modulation. *Bone* 2010;46:732-41.