CURRICULUM VITAE

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EDUCATION

1980	DVM	Seoul National University, Colledge of Vet Medicine
1986	Ph.D.	Seoul National University, Graduate School, Major in Biochemistry

PROFESSIONAL EXPERIENCE

2016-present	Honorary Professor, Department of Life Science, POSTECH
2010-present	Professor, School of Life Sciences, UNIST
2010-present	Director, Center for Cell to Cell Communication in Cancer (C5)
2012-2014	President, Multidisciplinary Institute in UNIST
2012-2014	Vice President, Ulsan National Institute of Science and Technology (UNIST)
2003-2010	Principal Investigator, National Research Lab (NRL)
2003-2007	Dean of Research Affairs and Director of Academy/Industry Cooperation, POSTECH
2003-2007	Head, Department of Life Science, POSTECH

HONORS AND AWARDS

2001	Donghun Award (Korean Society for Biochemistry and Molecular Biology)
2005	Yeongam Award (Yeongam Cultural Scholarship Foundation)
2007	Scientists of the Month (Ministry of Education, Science and Technology)
2014	The Gold Ribbon Award Lecture (Korean Society for Molecular and Cellular Biology)
2014	The 7th ASAN Award in Medicine (ASAN Foundation)
2017	Minister's Commendation for an Excellent Science Research Center (Ministry of Science, ICT and Future Planning)

ACADEMIC ACTIVITIES

2017-present	Editorial Board, Biochemistry and Cell Biology
2015-present	Foreign Member, Academy of Sciences of Bologna, Italy
2012-present	Editorial Board, J. Cell Physiol.
2010-present	Associate Editors, Advances in Biological Regulation

EXTRAMURAL ACTIVITIES

2017-present	Chairman, Committee for Promotion of Basic Research (Ministry of Science and ICT)
2017-present	Chairman, Academic Roadmap TF Committee (The Korean Federation of Science and Technology Societies)
2016-present	Head of Program Management, Woman in Engineering-Undergraduate Leading Program
2015-2017	Chairman, National Council of Basic Sciences & Technology in Korea

BOOKS

2014 Phosphoinositide-dependent phospholipase C activity & signaling, Elsevier
2014 Phospholipases in Health and Disease, Springer

SELECTED PAPERS (20 of 326 articles)

1. Yang YR et al. Forebrain-specific ablation of phospholipase Cγ1 causes manic-like behavior. *Mol Psychiatry*. 2017; 22(10):1473-1482
2. Yang YR et al. Obesity resistance and increased energy expenditure by white adipose tissue browning in Oga(+/-) mice. *Diabetologia*. 2015; 58(12):2867-76.
3. Yang YR et al. OGA heterozygosity suppresses intestinal tumorigenesis in Apc(min/+) mice. *Oncogenesis*. 2014; 3:e109.
4. Lee YJ et al. Periostin-binding DNA aptamer inhibits breast cancer growth and metastasis. *Mol Ther*. 2013; 21(5):1004-13
5. Moon HY et al. Macrophage migration inhibitory factor mediates the antidepressant actions of voluntary exercise. *Proc Natl Acad Sci U S A*. 2012; 109:13094-9.
6. Kim JM et al. DJ-1 promotes angiogenesis and osteogenesis by activating FGF receptor-1 signaling. *Nat Commun*. 2012; 3:1296.
7. Kim EK et al. Activation of AMP-activated protein kinase is essential for lysophosphatidic acid-induced cell migration in ovarian cancer cells. *J Biol Chem*. 2011; 286(27):24036-45.
8. Park YU et al. Disrupted-in-schizophrenia 1 (DISC1) plays essential roles in mitochondria in collaboration with mitofilin. *Proc Natl Acad Sci U S A*. 2010; 107(41):17785-90.
9. Yun S et al. Phospholipase Cε augments epidermal growth factor-dependent cell growth by inhibiting epidermal growth factor receptor down-regulation. *J Biol Chem*. 2008; 283(1):341-9.
10. Choi JH et al. Phospholipase Cγ1 negatively regulates growth hormone signalling by forming a ternary complex with Jak2 and protein tyrosine phosphatase-1B. *Nat Cell Biol*. 2006; 8(12):1389-97.
11. Lee CS et al. The phox homology domain of phospholipase D activates dynamin GTPase activity and accelerates EGFR endocytosis. *Nat Cell Biol*. 2006; 8(5):477-84.
12. Patterson RL et al. Phospholipase Cγ1 is required for agonist-induced Ca2+ entry. *Cell*. 2002; 111(4):529-41.
13. Ye K et al. Phospholipase Cγ1 is a physiological guanine nucleotide exchange factor for the nuclear GTPase PIKE. *Nature*. 2002; 415(6871):541-4.
14. Kim D et al. Phospholipase C isozymes selectively couple to specific neurotransmitter receptors. *Nature*. 1997; 389(6648):290-3.
15. Lee SJ et al. Overexpression of phospholipase Cγ1 in colorectal carcinomas is associated with overexpression of factors that bind its promoter. *J Biol Chem*. 1995; 270(27):16378-84.
16. Park JG et al. Overexpression of phospholipase Cγ1 in familial adenomatous polyposis. *Cancer Res*. 1994; 54(8):2240-4.
17. Meisenhelder J et al. Phospholipase Cγ1 is a substrate for the PDGF and EGF receptor protein-tyrosine kinases in vivo and in vitro. *Cell*. 1989; 57(7):1109-22.
18. Rhee SG et al. Studies of inositol phospholipid-specific phospholipase C. *Science*. 1989; 244(4904):546-50.
19. Suh PG et al. Inositol phospholipid-specific phospholipase C: complete cDNA and protein sequences and sequence homology to tyrosine kinase-related oncogene products. *Proc Natl Acad Sci U S A*. 1988; 85(15):5419-23.
20. Suh PG et al. Cloning and sequence of multiple forms of phospholipase C. *Cell*. 1988; 54(2):161-9.