

Young-Ki Paik, Ph.D.

Position: Distinguished Research Professor Emeritus & Director
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Education

1975.02	B.S.	Yonsei University, Seoul, Korea
1983.08	Ph.D.	University of Missouri-Columbia, MO. U.S.A.

Professional Experience

1977-1979	Research Associate	Agency for Defense Development, Daejeon, Korea
1981-1983	Visiting Scientist	E. I. du Pont Co., Cardiovascular Group.
1983-1986	Postdoctoral Fellow	Gladstone Institute, UCSF, USA
1986-1989	Staff Res. Investigator	Gladstone Institute, UCSF, USA
1989-1993	Associate Professor	Hanyang University Ansan, [Dept Chair: 1992/3]
1993-1994	Sci Advisory Comm.	The Korean Agriculture Biotech. Inst., Korea
1993-1995	Associate Professor	Yonsei University, Seoul, Korea
1995-2018	Professor	Yonsei University Seoul, Korea [Chair, 98.-00.2]
2000-present	Director	Yonsei Proteome Research Center, Yonsei Univ.
2003-2011	Director	Biomed. Proteome Research Center, Yonsei Univ.
2003.3-2005.2	Chair	Dept. Functional Genomics, Yonsei University
2009.9-2018.2	Distinguished Professor	Yonsei University
2012.3-2014.2	Advisory Board	Strategic Initiative Comm. for Yonsei U. President

Academic Society

2010.7-present	Chair	International "Chromosome-centric Human Proteome Project" Consortium
2013.3-2014.7.	Director	Natural Sci. Division, Korean Academy of Science and Technology (KAST)
2012.7-2014.6	Board of Director	Korean Cancer Association
2012.1-2012.12	President	KSBMB
2009.1-2010.12	President	HUPO
2009.11-present	Regular Member	Korean. Academy o Sci and Tech (KAST)
2008.1—2010.12	President	AOHUPO
2006.5—2008.5	Council Member	Council Member for Biotechnology (Korea)
2003.1-2004.1	Academic Consultant	Korea Development Bank (KDB)
2006.5-2008.8	Advisory Board	UniProt (UK-Germany Project)
2007.1-2008.12	Vice President	HUPO
2007.1-2007.12.	Co-Chair	HUPO 2007 World Congress Organizing Committee
2005.9-2008.12	Co-Chair	HUPO Human Plasma Proteome Project

2002.11.-2003.10	Advisory Member	Korea Science Culture Foundation, Korea
2001.7-2005.4.	President	Korean Human Proteome Organization (KHUPO)
2000-2002	Committee Member	Consumer Protection Agency, Korea
1997-1999	Vice Chair	International Cooperation Committee, KSBMB
1993-1996	Vice President	Korean Society for Lipidology

Selected achievements and awards

1996. 3.	MSD Award [The Korean Society for Lipidology]
1999. 5.	Donghun Biochemistry Awards [KSBMB]
2004. 10.	HUPO Distinguished Service Awards [Human Proteome Organization]
2005. 2.	Scientist of the Month Awards, [Ministry of Health & Welfare, ROK]
2005. 8.	Scientist of the Month Awards [Ministry of Science & Technology, ROK]
2005. 5.	Yonsei Academy Awards [Yonsei Univ.]
2005. 5.	Best Research Professor Awards, [Yonsei Univ.]
2005. 12.	Kyung Am Awards [Kyung Am Foundation]
2008. 12.	Yonsei Univ. Alumni Awards (College of Sciences)
2017. 5	DI Awards (KSBMB)

Publications (selected)

1. Jeong, PY, Yim, YH, Hong, E., Jung, M, Kim, H., Park, M., Lee, W., Kim, YH, Kim K., and Paik, Y-K (2005) Chemical structure and biological activity of the *C. elegans* dauer-inducing pheromone. *Nature*, 433, 541-545
2. Paik YK, Hancock WS. Uniting ENCODE with genome-wide proteomics. *Nat Biotechnol.* 2012 Nov;30(11):1065-7.
3. Paik, YK, Jeong SK et al. A Chromosome-Centric Human Proteome Project to Characterize the Sets of Proteins Encoded in the Genome *Nature Biotechnol*, March 7, 2012, **30**, 221-223
4. Park KS, Kim H, Kim NG, Cho SY, Choi KH, Seong JK, Paik YK. Proteomic analysis and molecular characterization of tissue ferritin light chain in hepatocellular carcinoma. *Hepatology*. 2002 Jun;35(6):1459-66.
5. Shin H., Cha, HJ Na, K. et al., *O*-GlcNAcylation of the tumor suppressor FOXO3 triggers aberrant cancer cell growth, *Cancer Research*, 2018 Jan 4 (in press).
6. Lee HJ, Lee EY, Kwon MS, Paik YK. Biomarker discovery from the plasma proteome using multidimensional fractionation proteomics. *Curr Opin Chem Biol.* 2006 Feb;10(1):42-9. Epub 2006 Jan 18.
7. Kim, KY., et al., Development and Applications of a Stable Isotope-Assisted Quantification Method for the Study of Pheromone Metabolism in *C. elegans*. *Anal Chem.* 2013 Mar 5;85(5):2681-8. PMID: 23347231
- 8.. Hahm JH, Kim S, Paik YK. GPA-9 is a novel regulator of innate immunity against *Escherichia coli* foods in adult *C. elegans*. *Aging Cell* (2011) 10, pp208–219
9. Hahm JH, Kim S, Paik YK. Endogenous cGMP regulates adult longevity via the insulin signaling pathway in *C. elegans*. *Aging Cell.* 2009 8(4):473-83. .

10. Choi BK, Chitwood DJ, Paik YK. Proteomic Changes during Disturbance of Cholesterol Metabolism by Azacoprostane Treatment in *C. elegans*. *Mol Cell Proteomics*. 2003 Oct;2(10):1086-1095.