

권용태 (Yong Tae Kwon)

Curriculum Vitae

Professor
Seoul National University School of Medicine

● **Educational Experience**

1993	Ph.D., Department of Biological Science, Seoul National University
1986	M.S., Department of Molecular Biology, Seoul National University
1984	B.S., Department of Molecular Biology, Seoul National University

● **Professional Experience**

2020–Present	Director, Cellular Degradation Biology Center (SRC), Seoul National University
2019–Present	CEO, AUTOTAC BIO Inc., Seoul, Korea
2013–Present	Professor, Department of Biomedical Sciences, Seoul National University
2010–2013	WCU Professor, Seoul National University
2008–2013	Associate Professor(Tenured), School of Pharmacy, University of Pittsburgh, USA
2002–2008	Assistant Professor, School of Pharmacy, University of Pittsburgh, USA
2000–2002	Senior Scientist and Key Staff, California Institute of Technology, CA, USA
1994–2000	Postdoctoral Fellow & Research Fellow, California Institute of Technology, CA, USA

● **Selected Publications**

- Ji, C.H., H.Y. Kim, M.J. Lee, A.J. Heo, D.Y. Park, S. Lim, S Shin, W.S. Yang, C.A. Jung, K.Y. Kim, E.H. Jeong, S.B. Kim, S.J. Lee, J.E. Na, H.M. Chi, J.I. Kang, H.T. Kim, Y.K. Kim, B.Y. Kim, Y.T. Kwon. (2022) The AUTOTAC chemical biology platform for targeted protein degradation via the autophagy-lysosome system *Nat Comms.* 13:904.
- Lee, Y.J., J.K. Kim, C. Jung, Y.J. Kim, E.J. Jung, S.H. Lee, H.R. Choi, Y.S. Son, S.M. Shim, S.M. Jeon, J.H. Choe, S. Lee, J. Whang, K. Sohn, G.M. Hur, H.T. Kim, J. Yeom, E.J. Jo, and Y.T. Kwon. (2022) Chemical modulation of SQSTM1/p62-mediated xenophagy that targets a broad range of pathogenic bacteria. *Autophagy* (2022 Mar 22. doi: 10.1080/15548627.2022.2054240).
- Heo, A.J., S.B. Kim, C.H. Ji, D. Han, S.J. Lee, S.H. Lee, M.J. Lee, A. Ciechanover, B.Y. Kim, and Y.T. Kwon. (2021) The N-terminal cysteine is a dual sensor of oxygen and oxidative stress. *Proc. Natl. Acad. Sci. USA.* 118:e2107993118.
- Ji, C.H., H.Y. Kim, A.J. Heo, S.B. Kim, S.H. Lee, G. Srinivasrao, S.R. Mun, H. Cha-Molstad, A. Ciechanover, C.Y. Choi, H.G. Lee, B.Y. Kim, and Y.T. Kwon (2019) The N-degron pathway mediates ER-phagy. *Mol. Cell* 75:1058-1072.
- Zhang, Y., S.R. Mun, J.F. Linares, J. Ahn, C.G. Towers, C.H. Ji, B.E. Fitzwalter, M.R. Holden, W.Mi, X. Shi, J. Moscat, A. Thorburn, M.T. Diaz-Meco, Y.T. Kwon* and T.G. Kutateladze*. (2019) ZZ-Dependent regulation of p62/SQSTM1 in autophagy. *Nat. Comms.* 9:4373.

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