

CURRICULUM VITAE

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PROFESSIONAL APPOINTMENTS

2016-present **Associate Professor**

2009-2016 **Assistant Professor**

Division of Integrative Biosciences and Biotechnology & Department of Life Sciences
Pohang University of Science and Technology (POSTECH), Korea

2008-2009 **Research Investigator**

Developmental and Molecular Pathway
Novartis Institutes for Biomedical Research, Cambridge, USA

1994-1995 **Research Scientist**

National Institute of Environmental Research
Ministry of Environment, Gwangju, Korea

MAJOR PUBLICATIONS

* co-corresponding authors

1. Hong CP, Park A, Yang BG, Yun CH, Kwak MJ, Lee GW, Kim JH, Jang MS, Lee EJ, Jeun EJ, You G, Kim KS, Choi Y, Park JH, Hwang D, Im SH, Kim JF, Kim YK, Seoh JY, Surh CD, **Kim YM***, Jang MH* (2017) Gut-specific delivery of Th17 cells reduces obesity and insulin resistance in mice. *Gastroenterology* 152, 1998-2010
2. Sheng R, Jung DJ, Silkov A, Kim H, Singaram I, Wang ZG, Xin Y, Kim E, Park MJ, Thiagarajan-Rosenkranz P, Smrt S, Honig B, Baek K, Ryu S, Lorieau J, **Kim YM***, Cho W* (2016) Lipids regulate Lck protein activity through their interaction with the Lck Src homology domain. *J Biol Chem* 291, 17639-50
3. Park MJ, Sheng R, Silkov A, Jung DJ, Wang ZG, Xin Y, Kim H, Thiagarajan-Rosenkranz P, Song S, Yoon Y, Nam W, Kim I, Kim E, Lee DG, Chen Y, Singaram I, Jang MH, Hwang CS, Honig B, Ryu S, Lorieau J, **Kim YM***, and Cho W* (2016) SH domains serve as lipid binding modules for pTyr-signaling proteins. *Mol Cell* 62, 7-20
4. Lee YR, Kang WD, **Kim YM** (2016) Detection of interaction between Toll-like receptors and other transmembrane proteins by co-immunoprecipitation assay. *Method Mol Biol* 1390, 107-20
5. Hong CP, Yun CH, Lee GW, Park A, **Kim YM***, Jang MH* (2015) TLR9 regulates adipose tissue inflammation and obesity-related metabolic disorders. *Obesity* 23, 2199-206
6. Huh JW, Shibata T, Hwang M, Kwon EH, Jang MS, Fukui R, Kanno A, Jung DJ, Jang MH*, Miyake K*, **Kim YM*** (2014) UNC93B1 is essential for the plasma membrane localization and signaling of Toll-like receptor 5. *Proc Natl Acad Sci USA* 111, 7072-7

7. Kim J, Huh J, Hwang M, Kwon EH, Jung DJ, Brinkmann MM, Jang MH, Ploegh HL, **Kim YM** (2013) Acidic amino acid residues in the juxta-membrane region of the nucleotide-sensing toll-like receptors are important for UNC93B1 binding and signaling. *J Immunol* 190, 5287-95
8. **Kim YM***, Brinkmann MM, Paquet ME, Ploegh HL* (2008) UNC93B delivers intracellular nucleotide-sensing TLRs to endolysosomes. *Nature* 452, 234-8
9. **Kim YM**, Brinkmann MM, Ploegh HL (2007) TLRs bent into shape. *Nat Immunol* 8, 675-7
10. Brinkmann MM, Spooner E, Hoebe K, Beutler B, Ploegh HL*, **Kim YM*** (2007) The interaction between the ER membrane protein UNC93B and TLRs 3,7, and 9 is crucial for TLR signaling. *J Cell Biol* 177, 265-75
11. **Kim YM**, Pan JY, Korbel GA, Peperzak V, Boes M, Ploegh HL (2006) Monovalent ligation of the B cell receptor induces receptor activation but fails to promote antigen presentation. *Proc Natl Acad Sci USA* 103, 3327-32