

## Yoe-Sik BAE (배외식)

### Education

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1996	B.S.	Seoul National University, Seoul, Korea.
1998	M.S.	POSTECH, Pohang, Korea.
2000	Ph.D.	POSTECH, Pohang, Korea.

### Professional Experience

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2000-2002	Post-doc	POSTECH, Pohang, Korea.
2002-2010	Full-time Instructor, Assistant Professor, Associate Professor	Dong-A University, Busan, Korea.
2008-2009	Visiting Associate Professor	Stanford University, Stanford, CA, USA.
2010-Current	Associate Professor, Professor	Sungkyunkwan University, Suwon, Korea.

### Selected Publications

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1. Park MY, Kim HS, Lee HY, Zabel BA, Bae YS. Novel CD11b<sup>+</sup>Gr-1<sup>+</sup>Sca-1<sup>+</sup> myeloid cells drive mortality in bacterial infection. *Sci Adv* 2020;6:eaax8820.
2. Lee SK, Bae GH, Kim YS, Kim HS, Lee M, Ghim J, Zabel BA, Ryu SH, Bae YS. A phospholipase D2 inhibitor, CAY10594, ameliorates acetaminophen-induced acute liver injury by regulating the phosphorylated-GSK-3 $\beta$ /JNK axis. *Sci Rep* 2019;9:7242.
3. Park MY, Kim HS, Lee M, Park B, Lee HY, Cho EB, Seong JY, Bae YS. FAM19A5, a brain-specific chemokine, inhibits RANKL-induced osteoclast formation through formyl peptide receptor 2. *Sci Rep* 2017;7:15575.
4. Lee SK, Kim SD, Kook M, Lee HY, Ghim J, Choi Y, Zabel BA, Ryu SH, Bae YS. Phospholipase D2 drives mortality in sepsis by inhibiting neutrophil extracellular trap formation and down-regulating CXCR2. *J Exp Med* 2015;212:1381-90.
5. Kim SD, Kim HJ, Shim JW, Lee HY, Lee SK, Kwon S, Jung YS, Baek SH, Park JS, Zabel BA, Bae YS. Phospholipase C activator m-3M3FBS protects against morbidity and mortality associated with sepsis. *J Immunol* 2012;189:2000-5.
6. Kim SD, Lee HY, Shim JW, Kim HJ, Yoo YH, Park JS, Baek SH, Zabel BA, Bae YS. Activation of CXCR2 by extracellular matrix degradation product acetylated Pro-Gly-Pro has therapeutic effects against sepsis. *Am J Respir Crit Care Med* 2011;184:243-51.