

**Byoung Joon Ko, PhD**

Position: Assistant Professor

Department: School of Biopharmaceutical and Medical Science

Affiliation: Sunhshin Women's University

Office: 02-920-7268

E-mail: kobjoon@sungshin.ac.kr

Homepage:

**Education**

1996.03 – 2003.02	BS	Seoul National University
2004.08 – 2011.12	PhD	The University of Texas at Austin

**Professional Experience**

2012.07-2015.06	Researcher	Samsung Advanced Insitution of Technology
2015.06-2021.02	Senior Researcher	Osong Medical Innovation Foundation

**Academic Society**

2021.03 - Present	KSMS
2021.03 - Present	Antibody Society Korea
2020.03 - Present	The Korean Society for Biotechnology and Bioengineering

**Publications**

Nam Jung Heo, Ju Ho Yang, Vincent M. Lynch, **Byoung Joon Ko**, Jonathan L. Sessler, Sung Kuk Kim, Capture and Displacement-based release of the Bicarbonate Anion by Calix[4]pyrroles with Small Rigid Straps, *Chemical Science*, **2020**, 11, 8288-8294. (Co-corresponding Author, IF=9.556)

Won-Suk Song, Seong-Min Kim, Sung-Hyun Jo, Jae-Seung Lee, Hyo-Jin Jeon, **Byoung Joon Ko**, Kwon-Gyoung Choi, Yung-Hun Yang, Yun-Gon Kim, Multi-omics Characterization of the Osmotic Stress Resistance and Protease Activities of the Halophilic Bacterium *Pseudoalteromonas phenoloca* in Response to Salt Stress, *RSC Advances*, **2020**, 10, 23792-23800.

Hyung Woung Yoon, Migyeong Jo, Sanhwan Ko, Hyeong Sun Kwon, Chung Su Lim, **Byoung Joon Ko**, Ji Chul Lee, Sang Taek Jung, Optimal Combination of Beneficial Mutations for Improved ADCC Effector Function of Aglycosylated Antibodies, *Molecular Immunology*, **2019**, 114, 62-71. (IF=3.049)

Hey-Rim Jung, Ju-Hee Lee, Yu-Mi Moon, Tae-Rim Choi, Soo-Yeon Yang, Hun-Suk Song, Jun Young Park, Ye Lim Park, Shashi Kant Bhatia, Ranjit Gurav, **Byoung Joon Ko**, Yung-Hun Yang, Increased Tolerance to Furfural by Introduction of Polyhydroxybutyrate Synthetic Genes to *Escherichia coli*, *Journal of Microbiology and Biotechnology*, **2019**, 29(5), 776-784. (IF=3.530)

Narae Jin, Jin Won Lee, Woon Heo, Moon Young Ryu, Min Kyung So, **Byoung Joon Ko**, Hye-Yeon Kim, Sei Mee

Yoon, Jinu Lee, Joo Young Kim, Woo Taek Kim, Low binding affinity and reduced complement-dependent cell death efficacy of ofatumumab produced using a plant system (*Nicotiana benthamiana* L.), *Protein Expression and Purification*, **2019**, 159, 34-41. (IF=1.695)

Myung Shin Lim, Min Kyung So, Chungsu Lim, Du Hyun Song, Jong-Won Kim, Jurang Woo, **Byoung Joon Ko**\*, Validation of Rapi-Fluor method for glycan profiling and application to commercial antibody drugs, *Talanta*, **2019**, 198, 105-110. (Corresponding Author, IF=5.339)