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Education

1996.03-2000.02	B.S.	Yonsei University
2000.03-2002.02	M.S.	Yonsei University
2002.03-2008.02	Ph.D.	Yonsei University

Professional Experience

2008.03-2011.11	Post-doc	International Vaccine Institute
2011.12-2015.08	Post-doc	University of Michigan
2015.09-2018.11	Associate Professor	Seoul National University College of Medicine
2018.11-2020.02	Research Professor	University of Ulsan College of Medicine
2020.03-Present	Assistant Professor	The Catholic University of Korea

Academic Society

Publications (10 selected publications)

- Seo SU, Seong BL. Prospects on repurposing a live attenuated vaccine for the control of unrelated infections. *Front Immunol.* 2022 Mar; Accepted.
- Choi H, Shin S, Hong SJ, Seo SU, Rhyu MG. High level of SARS-CoV-2 infection in young population is a predictor for peak incidence. *Front Microbiol.* 2022 Mar; Accepted.
- Kim C, Kim JD, Seo SU. Nanoparticle and virus-like particle vaccine approaches against SARS-CoV-2. *J Microbiol.* 2022 Mar; 60(3): 335-346.
- Lim J, Cheong Y, Kim YS, Chae W, Hwang BJ, Lee J, Jang YH, Roh YH*, Seo SU*, Seong BL*. RNA-dependent assembly of chimeric antigen nanoparticles as an efficient H5N1 pre-pandemic vaccine platform. *Nanomedicine.* 2021 Oct; 37: 102438.
- Kim D, Kim YM, Kim WU, Park JH, Nunez G, Seo SU. Recognition of the microbiota by Nod2 contributes to the oral adjuvant activity of cholera toxin through the induction of Interleukin-1 β . *Immunology.* 2019 Nov; 158(3): 219-229.
- Lee YJ, Lee JY, Jang YH, Seo SU, Chang J, Seong BL. Non-specific effect of vaccines: Immediate protection against respiratory syncytial virus infection by a live attenuated influenza vaccine. *Front Microbiol.* 2018 Jan; 9: 83.
- Kim D, Kim YG, Seo SU, Kim DJ, Kamada N, Prescott D, Philpott DJ, Rosenstiel P, Inohara N, Núñez G. Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. *Nat Med.* 2016 Aug; 22(5): 524-530.
- Seo SU, Kim JJ, Yang H, Kwon HJ, Yang JY, Curtiss III R, Kweon MN. Effective protection against

secondary pneumococcal pneumonia by oral vaccination with attenuated *Salmonella* delivering PspA antigen in mice. *Vaccine*. 2012 Nov; 30(48): 6816-6823.

Seo SU, Byun YH, Lee EY, Jung EJ, Jang YH, Kim HA, Ha SH, Lee KH, Seong BL. Development and characterization of a live attenuated influenza B virus vaccine candidate. *Vaccine*. 2008 Feb; 26(7): 874-881.

Seo SU, Lee KH, Byun YH, Kweon MN, Seong BL. Immediate and broad-spectrum protection against heterologous and heterotypic lethal challenge in mice by live influenza vaccine. *Vaccine*. 2007 Nov; 25(47): 8067-8076.