

CURRICULUM VITAE



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Educations

2001.9 – 2007.2 Ph. D. in Laboratory Animal Medicine
College of Veterinary Medicine
Seoul National University (SNU)

1994.3 – 1998.2 B.S. in Veterinary Medicine
Seoul National University

Academic appointments

2010.3 – Present Assistant, Associate, Full professor in Department of Microbiology and Immunology
Seoul National University College of Medicine

2008.3 – 2010.2 Clinical professor in Clinical Research Institute
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2007.10 – 2007.12 Post-doctoral fellow in Seoul National University

Publications (Bold indicates first or corresponding author)

1. Na YR, Jung D, Stakenborg M, Jang H, Gu GJ, Jeong MR, Suh SY, Kim HJ, Kwon YH, Sung TS, Ryoo SB, Park KJ, Im JP, Lee YS, Han H, Park B, Lee S, Kim D, Lee HS, Cleynen I, Matteoli G*, **Seok SH** *. Prostaglandin E2 Receptor PTGER4-expressing macrophages promote intestinal epithelial barrier regeneration upon inflammation. *Gut*. 2021 Feb 8.
2. Na YR, Kwon JW, Kim DY, Chung H, Song J, Jung D, Quan H, Kim D, Kim JS, Ju YW, Han W, Ryu HS, Lee YS, Hong JJ, **Seok SH** *. Protein Kinase A Catalytic Subunit Is a Molecular Switch that Promotes the Pro-tumoral Function of Macrophages. *Cell Rep*. 2020 May 12;31(6)
3. Quan H, Kim J, Na YR, Kim JH, Kim BJ, Kim BJ, Hong JJ, Hwang ES*, **Seok SH** *. Human Cytomegalovirus-Induced Interleukin-10 Production Promotes the Proliferation of *Mycobacterium massiliense* in Macrophages. *Front Immunol*. 2020 Sep 10.
4. Song J, Han D, Lee H, Kim DJ, Cho JY, Park JH, **Seok SH** *. A Comprehensive Proteomic and Phosphoproteomic Analysis of Retinal Pigment Epithelium Reveals Multiple Pathway Alterations in Response to the Inflammatory Stimuli. *Int J Mol Sci* 2020 Apr 25.
5. Quan H, Oh GC, **Seok SH** *, Lee HY*. Fimasartan, an angiotensin II receptor antagonist, ameliorates an in vivo zebrafish model of heart failure. *Korean J Intern Med* 2020. Nov 25 (6).
6. Lee BJ, Byeon HE, Cho CS, Kim YH, Kim JH, Che JH, Seok SH, Kwon JW, Kim JH*, Lee K*. Histamine causes an imbalance between pro-angiogenic and anti-angiogenic factors in the retinal pigment epithelium of diabetic retina via H4 receptor/p38 MAPK axis. *BMJ Open Diabetes Res Care*. 2020 Dec 8(2).
7. Na YR, Jung D, Song J, Park JW, **Seok SH** *. Pyruvate dehydrogenase kinase is a negative regulator of interleukin-10 production in macrophages. *J Mol Cell Biol*. 2020. Jul 1.
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9. Park JY, Song MG, Kim WH, Kim KW, Lodhi NA, Choi JY, Kim YJ, Kim JY, Chung H, Oh C, Lee YS, Kang KW, Im HJ, Seok SH, Lee DS, Kim EE, Jeong JM*. Versatile and Finely Tuned Albumin Nanoplatfrom based on Click Chemistry. *Theranostics*. 2019 May 18: 9(12).
10. Kim H, Chung H, Kim J, Choi DH, Shin Y, Kang YG, Kim BM, Seo SU, Chung S *, **Seok SH** *. Macrophages-triggered sequential remodeling of endothelium-interstitial matrix to form pre-metastatic niche in microfluidic tumor microenvironment. *Advanced Science*. Apr 10; 6(11), 2019
11. Oh S, Chung H, Chang S, Lee SH, **Seok SH** *, Lee H *. Effect of mechanical stretch on the DNCB-induced proinflammatory cytokine secretion in human keratinocytes. *Scientific Reports*. 2019 March 26; 9(1): 5156.
12. Na YR, Stakenborg M, **Seok SH***, Matteoli G*. Macrophages in intestinal inflammation and resolution: a potential therapeutic target in IBD. *Nature Reviews Gastroenterology & Hepatology*. 2019 Jul 16. Doi: 10.1038/s41575-019-0172-4.
13. Park JY, Song MG, Kim WH, Kim KW, Lodhi NA, Choi JY, Kim YJ, Kim JY, Chung H, Oh C,

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