



Curriculum Vitae

* CV must be written in English

Personal Information	
Title (i.e. Pf., Dr., etc.)	Pf.
Name (First Name/ Middle Name /Last Name)	Donghyun Kim
Degree (i.e. MD, MSc, PhD, etc.)	PhD
Country	Republic of Korea
Affiliation	Seoul National University College of Medicine
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Educational Background	
03/01/1997-02/26/2003 B.S. and B.E. , Department of Microbiology and Department of Computer Science and Engineering, Seoul National University, South Korea	
03/01/2003-02/26/2009 Ph.D. , School of Biological Sciences, Seoul National University, South Korea (Mentor: Sunyoung Kim, Ph.D.)	
Professional Career	
03/01/2009-04/30/2010 Researcher , Institute for Molecular Biology and Genetics, Seoul National University, South Korea (Mentor: Sunyoung Kim, Ph.D.)	
05/01/2010-03/31/2011 Postdoctoral Fellow , BK21 Advanced Training Program for Biological Sciences, Seoul National University, South Korea (Mentor: Sunyoung Kim, Ph.D.)	
04/01/2011-03/31/2016 Research Fellow , Department of Pathology, University of Michigan Medical School, United States of America (Mentor: Gabriel Nunez, M.D.)	
04/01/2016-02/28/2018 Research Professor , Center for Integrative Rheumatoid Transcriptomics and Dynamics, The Catholic University of Korea, South Korea (Mentor: Wan-Uk Kim, M.D., Ph.D.)	
03/01/2018-Present Associate Professor at Department of Microbiology and Immunology Seoul National University College of Medicine, South Korea	
12/31/2023-Present Vice President , Medical Research Center Seoul National University, South Korea	
Research Field	
Microbiome Organ-to-organ communication & the Role of microbiota, Role of microbiota regulated by gene, Development of mucosal vaccine platform based on commensal bacteria	
Main Scientific Publications	
Li M, Kim YM, Koh JH, Park J, Kwon HM, Park JH, Jin J, Park Y, Lee N, Kim D* , Kim WU* (*equal contribution), Serum amyloid A connects Liver and joint to promote macrophage activation and chronic arthritis via NFAT5. Journal of Clinical Investigation , 134: e167835 (2024) PMID: 38426494	
Koh JH, Lee EH, Cha KH, Pan CH, Kim D* , Kim WU*(*equal contribution), Factors associated with the composition of the gut microbiome in patients with established rheumatoid arthritis and its value for predicting treatment responses. Arthritis Research & Therapy , 25: 32. (2023) PMID: 36864473	
Kim YM, Choi JO, Cho YJ, Hong BK, Shon HJ, Kim BJ, Park JH, Kim WU*, Kim D* (*equal contribution). Mycobacterium potentiates protection from colorectal cancer by gut microbial alterations. Immunology , 168: 493-510 (2023) PMID: 36183156	
Shon HJ, Kim YM, Kim KS, Choi JO, Cho SH, An S+, Park SH, Cho YJ, Park JH, Seo SU, Kim WU*, Kim D* (*equal contribution). Protective Role of Colitis in Inflammatory Arthritis via Propionate-Producing Bacteroides in the Gut. Frontiers in Immunology , 14: 1064900. (2023) PMID: 36793721	
Kim D , Kim YM, Kim WU, Park JH, Núñez G, Seo SU. Recognition of the microbiota by Nod2 contributes to the oral adjuvant activity of cholera toxin through the induction of IL-1 β . Immunology , 158: 219-229. (2019) PMID: 31478196	



Kim D, Seo SU, Zeng M, Kim WU, Kamada N, Inohara N, Núñez G. Mesenchymal Cell-Specific MyD88 Signaling Promotes Systemic Dissemination of Salmonella Typhimurium via Inflammatory Monocytes. **Journal of Immunology**, 199: 1362-1371. (2017) PMID: 28674182

Kim D, Kim YG, Seo SU, Kim DJ, Kamada N, Prescott D, Chamaillard M, Philpott DJ, Rosenstiel P, Inohara N, Núñez G. Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. **Nature Medicine**. 22: 524-530. (2016) PMID: 27064448