



## 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>B.S. and B.E.</b> , Department of Microbiology and Department of Computer Science and Engineering, Seoul National University, South Korea	
03/01/2003-02/26/2009 <b>Ph.D.</b> , School of Biological Sciences, Seoul National University, South Korea (Mentor: Sunyoung Kim, Ph.D.)	
Professional Career	
03/01/2009-04/30/2010 <b>Researcher</b> , Institute for Molecular Biology and Genetics, Seoul National University, South Korea (Mentor: Sunyoung Kim, Ph.D.)	
05/01/2010-03/31/2011 <b>Postdoctoral Fellow</b> , BK21 Advanced Training Program for Biological Sciences, Seoul National University, South Korea (Mentor: Sunyoung Kim, Ph.D.)	
04/01/2011-03/31/2016 <b>Research Fellow</b> , Department of Pathology, University of Michigan Medical School, United States of America (Mentor: Gabriel Nunez, M.D.)	
04/01/2016-02/28/2018 <b>Research Professor</b> , 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 <b>Associate Professor</b> at Department of Microbiology and Immunology Seoul National University College of Medicine, South Korea	
12/31/2023-Present <b>Vice President</b> , Medical Research Center Seoul National University, South Korea	
Research Field	
<b>Microbiome</b> <b>Organ-to-organ communication &amp; the Role of microbiota, Role of microbiota regulated by gene, Development of mucosal vaccine platform based on commensal bacteria</b>	
Main Scientific Publications	
<b>Main Achievements (10 max)</b>	
Li M, Kim YM, Koh JH, Park J, Kwon HM, Park JH, Jin J, Park Y, Lee N, <b>Kim D*</b> , Kim WU* (*equal contribution), Serum amyloid A connects Liver and joint to promote macrophage activation and chronic arthritis via NFAT5. <b>Journal of Clinical Investigation</b> , 134: e167835 (2024) PMID: 38426494	
Koh JH, Lee EH, Cha KH, Pan CH, <b>Kim D*</b> , 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. <b>Arthritis Research &amp; Therapy</b> , 25: 32. (2023) PMID: 36864473	
Kim YM, Choi JO, Cho YJ, Hong BK, Shon HJ, Kim BJ, Park JH, Kim WU*, <b>Kim D*</b> (*equal contribution). Mycobacterium potentiates protection from colorectal cancer by gut microbial alterations. <b>Immunology</b> , 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*, <b>Kim D*</b> (*equal contribution). Protective Role of Colitis in Inflammatory Arthritis via Propionate-Producing Bacteroides in the Gut. <b>Frontiers in Immunology</b> , 14: 1064900. (2023) PMID: 36793721	
<b>Kim D</b> , 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 $\beta$ . <b>Immunology</b> , 158: 219-229. (2019) PMID: 31478196	
<b>Kim D</b> , 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. <b>Journal of Immunology</b> , 199: 1362-1371. (2017) PMID: 28674182	
<b>Kim D</b> , Kim YG, Seo SU, Kim DJ, Kamada N, Prescott D, Chamillard 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