


Curriculum Vitae

Personal Information	
Title	Dr.
Name	Ho-Keun Kwon
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Educational Background	
<p>1998 - 2005 Bachelor's degree Dept. of Life Science, Konkuk University Republic of Korea 2005 - 2011 Doctoral degree, Dept. of Life Sciences, GIST, Gwang-ju, South Korea, Mentor: Sin-Hyeog Im (Ph.D)</p>	
Professional Career	
<p>- 2019 Research associate, Department of Microbiology and Immunobiology, Harvard Medical School, Boston, MA, Mentor: Prof. Jun.R Huh (Ph.D.) 2011 - 2017 Postdoc, Department of Microbiology and Immunobiology, Harvard Medical School, Boston, MA, Mentor: Prof. Christophe Benoist (MD.Ph.D.) & Diane Mathis (Ph.D.)</p>	
Research Field	
Gut-Immune-Brain Axis, FOXP3 ⁺ regulatory T cells, Prenatal immune imprinting,	
Main Scientific Publications	
<ol style="list-style-type: none"> Exploring probiotic effector molecules and their mode of action in gut-immune interactions. Choong-Gu Lee, Kwang Hyun Cha, Gi-Cheon Kim, Sin-Hyeog Im*, Ho-Keun Kwon*, <i>FEMS Microbiol Rev.</i> 2023 Jul 5;47(4):fuad046 A Moonlighting Protein Secreted by a Nasal Microbiome Fortifies the Innate Host Defense Against Bacterial and Viral Infections. Gwanghee Kim, Yoojin Lee, Jin Sun You, Wontae Hwang, Jeewon Hwang, Hwa Young Kim, Jieun Kim, Ara Jo, In ho Park, Mohammed Ali, Jongsun Kim, Jeon-Soo Shin, Ho-Keun Kwon*, Hyun Jik Kim*, Sang Sun Yoon*, <i>Immune Netw.</i> 2023 Aug;23(4):e31 Gut Microbial Metabolites on Host Immune Responses in Health and Disease. Jong-Hwi Yoon*, Jun-Soo Do*, Priyanka Velankanni*, Choong-Gu Lee#, and Ho-Keun Kwon#, <i>Immune Netw.</i> 2023 Feb;23(1):e6 TREGking From Gut to Brain: The Control of Regulatory T Cells Along the Gut-Brain Axis. Juli Choi, Bo-Ram Kim, Begum Akuzum, Leechung Chang, June-Yong Lee#, Ho-Keun Kwon#. <i>Front Immunol.</i> 2022; 13: 916066 Probiotics-derived metabolite ameliorates skin allergy by promoting differentiation of FOXP3⁺ regulatory T cells. Hye-Ji Kang*, Gi-Cheon Kim*, Choong-Gu Lee*, Sunhee Park, Garima Sharma, Ravi Verma, Sin-Hyeog Im#, Ho-Keun Kwon#. <i>J Allergy Clin Immunol.</i> 2021, Apr Apr;147(4):1517-1521 	