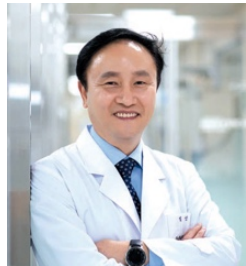




Curriculum Vitae

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Educational Background	
<ol style="list-style-type: none"> 1989, B.Sc., Korea University (Life Sciences), Seoul, Korea 1989, M.Sc., Korea University (Biochemistry), Seoul, Korea) 2001, Ph.D. Weizmann Institute of Science (Immunology), Rehovot, Israel 	
Professional Experience	
<p>1991-1996, Senior Research Scientist, Chong Kun Dang (CKD) Pharmaceutical Company, Seoul, Korea</p> <p>2001-2003, Postdoctoral Research Fellow, Harvard Medical School (Prof. Anjana Rao's Lab) Boston, USA</p> <p>2004-2014, Professor, School of Life Sciences, Gwangju Institute of Science and Technology, Gwangju, Korea</p> <p>2014-2019, Group leader, Acting Director, Academy of Immunology and Microbiology, Institute for Basic Science (IBS) at POSTECH campus, Pohang, Korea</p> <p>2014-present, Professor, Dept. of Life Sciences, Pohang University of Science and Technology (POSTECH), Pohang, Korea</p> <p>2014-present, Adjunct Professor, Institute for Convergence Research and Education, Yonsei University, Seoul, Korea.</p> <p>2019-present, CEO & Founder, ImmunoBiome Inc., Korea</p>	
Professional Organizations	
<ol style="list-style-type: none"> 2005-present, Active member, American Association of Immunologists, USA 2005-present, Active member and Board of Directors, The Korean Association of Immunologists, Korea 2022-present, Active member, American Association for Cancer Research, USA 2018-2022, Board of Directors, Pharmabiotic Research Institute, France 	
Editorial boards	
<ol style="list-style-type: none"> 2015 ~ present: Beneficial Microbes (ISSN: 1876-2891) 2021 ~ present: Frontiers in Immunology, Associate Editor, 2019 ~ present: Vaccines, (ISSN 2076-393X) 2021 ~ 2024: Microbiome Research Reports, Senior Editor 	



Main Scientific Publications (selected, corresponding author 2018-2022)

1. Signaling networks controlling ID and E protein activity in T cell differentiation and Function. *Front Immunol.* 2022 Aug 2;13:964581.
2. T Helper 2-Associated Immunity in the Pathogenesis of Systemic Lupus Erythematosus. *Front Immunol.* 2022 April 04. 13: 866549.
3. Resolving the Mutually Exclusive Immune Responses of Chitosan with Nanomechanics and Immunological Assays. *Adv Healthc Mater* 2022 Apr 9;e2102667
4. Structural specificities of cell surface β -glucan polysaccharides determine commensal yeast-mediated immuno-modulatory activities. *Nat Commun.* 2021. June 14; 12(1):3611
5. Probiotics-derived metabolite ameliorates skin allergy by promoting differentiation of FOXP3+ regulatory T cells. *J Allergy Clin Immunol* 2021. 147 (4), 1517-1521
6. Structural features and immunological perception of the cell surface glycans of *Lactobacillus plantarum*: a novel rhamnose-rich polysaccharide and teichoic acids. *Carbohydr Polym.* 2020 Apr 1; 233:115857
7. Intestinal Microbiota Controls Acute Kidney Injury Severity by Immune Modulation. *Kidney Int.* 2020 May 26;S0085-2538(20)30553-6.
8. Dietary glucose consumption promotes RALDH activity in small intestinal CD103+CD11b+ Dendritic cells. *Front Immunol.* 2020 11:1897
9. Of Men in Mice: The Development and Application of a Humanized Gnotobiotic Mouse Model for Microbiome Therapeutics. *Exp Mol Med.* 2020. Sep;52(9):1383-1396
10. Harnessing the Bioresponsive Adhesion of Immuno-Bioglue for Enhanced Local Immune Checkpoint Blockade Therapy. *Biomaterials.* 2020. Dec. 263:120380
11. Ets1 suppresses T follicular helper type 2 cell differentiation to halt the onset of Systemic Lupus Erythematosus. *Immunity.* 2018, Dec; 49(6):1034-1048.
12. Inflammation-induced Id2 promotes plasticity in regulatory T cells. *Nat Commun.* 2018 Nov 9;9(1):4736
13. Cell surface polysaccharides of *Bifidobacterium bifidum* induce Foxp3+ regulatory T cells. *Science Immunology.* 2018 Oct 19;3(28). pii: eaat6975. doi: 10.1126/sciimmunol.aat6975.