Curriculum Vitae

Personal Information

Title	**Prof.**
Name	**Sin-Hyeog IM**
Degree	**Ph.D.**
Country	**Korea**
Affiliation	**POSTECH & ImmunoBiome Inc.**

Educational Background

1. 1989, B.Sc., Korea University (Life Sciences), Seoul, Korea
2. 1989. M.Sc., Korea University (Biochemistry), Seoul, Korea)
3. 2001, Ph.D. Weizmann Institute of Science (Immunology), Rehovot, Israel

Professional Experience

1991-1996, Senior Research Scientist, Chong Kun Dang (CKD) Pharmaceutical Company, Seoul, Korea
2001-2003, Postdoctoral Research Fellow, Harvard Medical School (Prof. Anjana Rao's Lab) Boston, USA
2004-2014, Professor, School of Life Sciences, Gwangju Institute of Science and Technology, Gwangju, Korea
2014-2019, Group leader, Acting Director, Academy of Immunology and Microbiology, Institute for Basic Science (IBS) at POSTECH campus, Pohang, Korea
2014-present, Professor, Dept. of Life Sciences, Pohang University of Science and Technology (POSTECH), Pohang, Korea
2014-present, Adjunct Professor, Institute for Convergence Research and Education, Yonsei University, Seoul, Korea.
2019-present, CEO & Founder, ImmunoBiome Inc., Korea

Professional Organizations

1. 2005-present, Active member, American Association of Immunologists, USA
2. 2005-present, Active member and Board of Directors, The Korean Association of Immunologists, Korea
3. 2022-present, Active member, American Association for Cancer Research, USA
4. 2018-2022, Board of Directors, Pharmabiotic Research Institute, France

Editorial boards

1. 2015 ~ present: **Beneficial Microbes** (ISSN: 1876-2891)
2. 2021 ~ present: **Frontiers in Immunology**, Associate Editor,
3. 2019 ~ present: **Vaccines**, (ISSN 2076-393X)
4. 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.