



Seoul International Digestive Disease Symposium 2024

In Conjunction with the Annual Meeting of the Korean Society of Gastroenterology

April 20-21, 2024

Grand Walkerhill Seoul, Korea

"Pioneering the future of digestive diseases"



SIDDS 2024

Name	Hyun Je Kim
Affiliation	Department of Biomedical Sciences, Seoul National University Graduate School Department of Microbiology and Immunology, Seoul National University College of Medicine Department of Dermatology, Seoul National University Hospital Genomic Medicine Institute, College of Medicine, Seoul National University Seoul National University Hospital
Country	South Korea
Major Field	Immunology and Dermatology

Educational Background	
01/2022-08/2022	Research Associate Professor Genome Medicine Institute Seoul National University, College of Medicine, Seoul, Korea
08/2021-12/2021	Research Associate Professor Institute for Endemic Disease Seoul National University, College of Medicine, Seoul, Korea
03/2021-07/2021	Senior Researcher Institute for Endemic Disease Seoul National University, College of Medicine, Seoul, Korea
03/2020-02/2021	Research fellow (90% research, 10% clinic) Department of Dermatology Samsung Medical Center, Seoul, Korea
11/2017- 10/2019	Instructor (Pfizer fellowship 100% research) Department of Dermatology Precision Immunology Institute Icahn School of Medicine at Mount Sinai - New York, NY
03/2012-02/2017	PhD (Full-time) Thesis: Assessment of a cellular immune response from peripheral blood of non-human primate after porcine islet xenotransplantation. Department of Biomedical Sciences Seoul National University Graduate School, Seoul, Korea
03/2008-02/2012	Dermatology Residency Department of Dermatology Samsung Medical Center, Seoul, Korea
03/2009-08/2011	M.S. Department of Dermatology Sungkyunkwan University College of Medicine, Seoul, Korea
03/2007-02/2008	Internship (Work valuation: 2/205)



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	Seoul National University Hospital, Seoul, Korea
01/2003-02/2003	Clerkship, Department of Neurosurgery Cleveland Clinic, Cleveland, Ohio
03/2001-02/2007 Graduation)	MD, Seoul National University College of Medicine (Honors Seoul National University, Seoul, Korea

Professional Experience

Academic Appointments:

03/2023-	Assistant Professor Department of Biomedical Science Seoul National University, Seoul, Korea
09/2022-	Assistant Professor (Physician-Scientist) Department of Microbiology and Immunology Seoul National University, College of Medicine, Seoul, Korea
01/2022-08/2022	Research Associate Professor Genome Medicine Institute Seoul National University, College of Medicine, Seoul, Korea
08/2021-12/2021	Research Associate Professor Institute for Endemic Disease Seoul National University, College of Medicine, Seoul, Korea
03/2021-07/2021	Senior Researcher Institute for Endemic Disease Seoul National University, College of Medicine, Seoul, Korea
03/2020-02/2021	Research fellow Department of Dermatology Samsung Medical Center, Seoul, Korea
11/2017- 10/2019	Instructor (Pfizer fellowship) Department of Dermatology Precision Immunology Institute Icahn School of Medicine at Mount Sinai - New York, NY
06/2017-10/2017 (Preparing for clinical trials on porcine islet xenotransplantation)	Visiting Researcher Infectious Disease Research Institute Seoul National University College of Medicine - Seoul, Korea
03/2017-10/2017	Vice Director



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	(Cosmetic Practice Training) PHD Dermatologic Clinic – Seoul, Korea
09/2015-02/2017	Teaching Assistant (Education and Research) Department of Microbiology and Immunology Seoul National University College of Medicine - Seoul, Korea
03/2012-02/2015	Basic Research Fellow Department of Biomedical Sciences Seoul National University College of Medicine - Seoul, Korea
03/2012-02/2017	Researcher Xenotransplantation Research Center Seoul National University College of Medicine - Seoul, Korea Seoul National University Hospital - Seoul, Republic of Korea
Hospital Appointments:	
12/2023-	Assistant Professor Department of Clinical Genomic Medicine Seoul National University Hospital, Seoul, Korea
07/2023-	Assistant Professor Department of Dermatology Seoul National University Hospital, Seoul, Korea
03/2020-02/2021	Research fellow Department of Dermatology Samsung Medical Center, Seoul, Korea
11/2017- 10/2019	Instructor (Pfizer fellowship) Department of Dermatology Precision Immunology Institute Icahn School of Medicine at Mount Sinai - New York, NY
03/2017-10/2017	Vice Director (Cosmetic dermatology) PHD Dermatologic Clinic – Seoul, Korea
2008-2011	Clinical Associate (Resident), Samsung Medical Center Department of Dermatology - Seoul, Korea
2007	Intern (Work valuation: 2/205) Seoul National University Hospital, Seoul, Korea
Industrial Appointments:	
09/2023-	CTO (Chief Technical Officer) PB Immunotherapeutic, Seoul, Korea



Main Scientific Publications

1. Joo EH, Bae JH, Park JH, Bang YJ, Han J, Gulati N, Kim JI, Park CG, Park WY and Kim HJ. Deconvolution of Adult T-Cell Leukemia/Lymphoma With Single-CellRNA-Seq Using Frozen Archived Skin Tissue Reveals New Subset of Cancer Associated Fibroblast. *Front. Immunol.* 2022; 13:856363. doi: 10.3389/fimmu.2022.856363. (First PI level paper)
2. Dong-Min Kim, Yuri Kim, Jun-Won Seo, Jooyeon Lee, Uni Park, Na-Young Ha, Jaemoon Koh, Hyoree Park, Jae-Won Lee, Hyo-Jin Ro, Na Ra Yun, Da Young Kim, Sung Ho Yoon, Yong Sub Na, Do Sik Moon, Sung-Chul Lim, Choon-Mee Kim, Kyeongseok Jeon, Jun-Gu Kang, Na-Yoon Jang, Hyeongseok Jeong, Jungok Kim, Shinhyea Cheon, Kyung Mok Sohn, Jae Youg Moon, Sungmin Kym, Seung Ro Han, Myung-Shin Lee, Hyun-Je Kim, Woong-Yang Park, Ji-Yeob Choi, Hyun-Woo Shin, Hye-Young Kim, Chung-Hyun Cho, Yoon Kyung Jeon, Yeon-Sook Kim, Nam-Hyuk Cho. Enhanced eosinophil-mediated inflammation associated with antibody and complement-dependent pneumonic insults in critical COVID-19. *Cell Rep* 2021 Oct 5;37(1):109798. doi: 10.1016/j.celrep.2021.109798. Epub 2021 Sep 20. (scRNAseq work in this paper)
3. Kim HJ**, Shim JH, Park JH, Shin HT, Shim JS, Jang KT, Park WY, Lee KH, Kwon EJ, Jang HS, Yang H, Lee JH, Yang JM, Lee D. Single-cell RNA sequencing of human nail unit defines RSPO4 onychofibroblasts and SPINK6 nail epithelium. *Commun Biol.* 2021 Jun 7;4(1):692. doi: 10.1038/s42003-021-02223-w. (First scRNAseq paper with Human Nail Unit)
4. Czarnowicki T, Kim HJ**, Villani AP, Glickman J, Duca ED, Han J, Pavel AB, Lee BH, Rahman AH, Merad M, Krueger JG, Guttman-Yassky E. High-dimensional analysis defines multicytokine T-cell subsets and supports a role for IL-21 in atopic dermatitis. *Allergy.* 2021 Apr 5. (First CyTOF paper with Human AD blood, I did all the analysis, second paper regarding Treg story in under functional experiment)
6. He H, Suryawanshi H, Morozov P, Gay-Mimbrera J, Del Duca E, Kim HJ, Kameyama N, Estrada Y, Der E, Krueger JG, Ruano J, Tuschl T, Guttman-Yassky E. Single-cell transcriptome analysis of human skin identifies novel fibroblast subpopulation and enrichment of immune subsets in atopic dermatitis. *J Allergy Clin Immunol.* 2020 Jun;145(6):1615-1628. (First scRNAseq paper with Human AD skin tissue: I participated all the process from the sample preparation and the analysis)
7. Kim HJ**, Moon JH, Chung H, Shin JS, Kim B, Kim JM, Kim JS, Yoon IH, Min BH, Kang SJ, Kim YH, Jo K, Choi J, Chae H, Lee WW, Kim S, Park CG. Bioinformatic analysis of peripheral blood RNA-sequencing sensitively detects the cause of late graft loss following overt hyperglycemia in pig-to-nonhuman primate islet xenotransplantation. *Sci Rep.* 2019 Dec 11;9(1):18835.
8. Chung H, Kim HJ**, Kim JS, Yoon IH, Min BH, Shin JS, Kim JM, Lee WW, Park CG. CD4+ /CD8+ T-cell ratio correlates with the graft fate in pig-to-non-human primate islet xenotransplantation. *Xenotransplantation.* 2020 Mar;27(2):e12562.
9. Yu SJ, Kim HJ**, Lee ES, Park CG, Cho SJ, Jeon SH. β -Catenin Accumulation is Associated with Increased Expression of Nanog Protein and Predicts Maintenance of MSC Self-renewal. *Cell Transplant.* 2017 Feb;26(2):365-377
10. Kim HJ**, Byun N, Kwon O, Park CG. Cross-sensitization between xeno- and allo-antigens on subsequent allogeneic and xenogeneic pancreatic islet transplantation in a murine model. *Biochem Biophys Res Commun.* 2016 Nov;480(3):474-478