

2025 년 대한면역학회 춘계학술대회

2025 년 4 월 10 일(목) - 11 일(금) | 세종대학교 컨벤션센터 공개토관

C.V.

Full Name	Min-Seok Rha
Organization	Yonsei University College of Medicine, Severance Hospital
Position & Title	Assistant Professor

Educational background & professional experience (in sequence of the latest year)

2024~	Assistant Professor, Department of Otorhinolaryngology, Yonsei University College of Medicine, Severance Hospital
2022-2024	Translational Research Assistant Professor, Department of Biomedical Sciences & Department of Otorhinolaryngology, Yonsei University College of Medicine, Severance Hospital
2021-2022	Clinical Fellow (Rhinology), Department of Otorhinolaryngology, Yonsei University College of Medicine, Severance Hospital
2017-2020	Ph.D. in Medical Science (Immunology), Graduate School of Medical Science and Engineering, KAIST
2014-2017	M.S. in Otorhinolaryngology, The Graduate School, Yonsei University College of Medicine
2006-2012	M.D. in Medicine, Yonsei University College of Medicine

Research Interests

Airway mucosal immunology, T cell immunology, Allergy

Publications

1. **Rha MS**, Kim G, Lee S, Kim J, Jeong Y, Jung CM, Kim J, Noh HE, Lee HY, Noh JY, Kim YM, Cho HJ, Kim CH, Shin EC. SARS-CoV-2 spike-specific nasal-resident CD49a+CD8+ memory T cells exert immediate effector functions with enhanced IFN- γ production. **Nature Communications**. 2024;15(1):8355
2. Koh JY*, **Rha MS***, Choi SJ*, Lee HS, Han JW, Nam HJ, Kim DW, Lee JG, Kim MS, Park JY, Park SH, Joo DJ, Shin EC. Identification of a distinct NK-like hepatic T-cell population activated by NKG2C in a TCR-independent manner. **Journal of Hepatology**. 2022;77(4):1059-1070
3. **Rha MS**, Yoon YH, Koh JY, Jung JH, Lee HS, Park SK, Park SH, Kim YM, Rha KS, Shin EC. IL-17A-producing sinonasal MAIT cells in patients with chronic rhinosinusitis with nasal polyps. **Journal of Allergy and Clinical Immunology**. 2022;149(2):599-609.e7
4. **Rha MS**, Han JW, Koh JY, Lee HS, Kim JH, Cho KJ, Kim SI, Kim MS, Lee JG, Park SH, Joo DJ, Park JY, Shin EC. Impaired antibacterial response of liver sinusoidal V γ 9+V δ 2+ T cells in patients with chronic liver disease. **Gut**. 2022;71(3):605-615
5. Jung JH*, **Rha MS***, Sa M, Choi HK, Jeon JH, Seok H, Park DW, Park SH, Jeong HW, Choi WS, Shin EC. SARS-CoV-2-specific T cell memory is sustained in COVID-19 convalescent

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patients for 10 months with successful development of stem cell-like memory T cells. **Nature Communications**. 2021;12(1):4043

6. **Rha MS**, Jeong HW, Ko JH, Choi SJ, Seo IH, Lee JS, Sa M, Kim AR, Joo EJ, Ahn JY, Kim JH, Song KH, Kim ES, Oh DH, Ahn MY, Choi HK, Jeon JH, Choi JP, Kim HB, Kim YK, Park SH, Choi WS, Choi JY, Peck KR, Shin EC. PD-1-expressing SARS-CoV-2-specific CD8+ T cells are not exhausted, but functional in patients with COVID-19. **Immunity**. 2021;54(1):44-52.e3

7. **Rha MS**, Han JW, Kim JH, Koh JY, Park HJ, Kim SI, Kim MS, Lee JG, Lee HW, Lee DH, Kim W, Park JY, Joo DJ, Park SH, Shin EC. Human liver CD8+ MAIT cells exert TCR/MR1-independent innate-like cytotoxicity in response to IL-15. **Journal of Hepatology**. 2020;73(3):640-650

Short biography

Dr. Min-Seok Rha received his M.D. and M.S. from Yonsei University College of Medicine, and was trained in Department of Otorhinolaryngology at the Severance Hospital. Subsequently, he received Ph.D. at the Graduate School of Medical Science and Engineering, KAIST. Currently, he is an Assistant Professor at the Department of Otorhinolaryngology, Yonsei University College of Medicine. His laboratory conducts research on the mucosal immune system of the airway to elucidate the immunopathogenesis of airway diseases and develop novel immunotherapeutic strategies.