



## Jae Seung Moon

Instructor, Medicine - Immunology & Rheumatology

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Medicine - Immunology & Rheumatology

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Yonsei University (2018)
- Bachelor of Science, Yonsei University (2011)

### Publications

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#### PUBLICATIONS

- **Antigen-specific B cells cross-present citrullinated proteins to activate CD8 T cells in rheumatoid arthritis**  
Moon, J., Van Dam, L., Smith, M., Donlin, L. T., Sharpe, O., Robinson, W. H.  
OXFORD UNIV PRESS.2025
- **Identification of Autoreactive Cytotoxic T Cells in ANCA-Associated Vasculitis**  
van Dam, L., Younis, S., Moon, J., Zhang, M., Parfasar, S., Horomanski, A., Sharpe, O., van Leeuwen, J., Lanz, T., van Kooten, C., Teng, O., Robinson, W.  
WILEY.2024: 3781-3785
- **Lrig1-expression confers suppressive function to CD4+ cells and is essential for averting autoimmunity via the Smad2/3/Foxp3 axis.** *Nature communications*  
Moon, J. S., Ho, C. C., Park, J. H., Park, K., Shin, B. Y., Lee, S. H., Sequeira, I., Mun, C. H., Shin, J. S., Kim, J. H., Kim, B. S., Noh, J. W., Lee, et al  
2023; 14 (1): 5382
- **Anti-citrullinated protein antibodies with multiple specificities ameliorate collagen antibody-induced arthritis in a time-dependent manner.** *Arthritis & rheumatology (Hoboken, N.J.)*  
Gomez, A. M., Brewer, R. C., Moon, J. S., Acharya, S., Kongpachith, S., Wang, Q., Jahanbani, S., Wong, H. H., Lanz, T. V., Love, Z. Z., Min-Oo, G., Niedziela-Majka, A., Robinson, et al  
2023
- **Clonally Expanded Cytotoxic CD8<sup>+</sup> T cells Target Citrullinated Antigens In ACPA<sup>+</sup> Rheumatoid Arthritis**  
Moon, J., Younis, S., Sharpe, O., Rao, N. L., Carman, J. A., James, E. A., Buckner, J. H., Deane, K. D., Holers, V., Donlin, L. T., Davis, M. M., Robinson, W. H.  
AMER ASSOC IMMUNOLOGISTS.2023
- **Cytotoxic CD8<sup>+</sup> T cells target citrullinated antigens in rheumatoid arthritis.** *Nature communications*  
Moon, J. S., Younis, S., Ramadoss, N. S., Iyer, R., Sheth, K., Sharpe, O., Rao, N. L., Becart, S., Carman, J. A., James, E. A., Buckner, J. H., Deane, K. D., Holers, et al  
2023; 14 (1): 319

- **Intranasal administration of nucleus-deliverable GATA3-TMD alleviates the symptoms of allergic asthma** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*  
Lee, S., Kim, J., Seong, Y., Moon, J., Kim, Y., Shin, B., Shin, J., Park, J., Park, C., Lee, S.  
2023; 640: 32-39
- **Rheumatoid Arthritis Patient-derived Anti-citrullinated Protein Antibodies (ACPAs) Ameliorate Joint Inflammation in Early Collagen-antibody Induced Arthritis (CAIA)**  
Gomez, A., Brewer, C., Moon, J., Acharya, S., Lanz, T. V., Wang, Q., Min-Oo, G., Niedziela-Majka, A., Robinson, W.  
WILEY.2022: 69-70
- **Clonally Expanded B Cells in Multiple Sclerosis Bind EBV EBNA1 and GlialCAM.** *Nature*  
Lanz, T. V., Brewer, R. C., Ho, P. P., Moon, J. S., Jude, K. M., Fernandez, D., Fernandes, R. A., Gomez, A. M., Nadj, G. S., Bartley, C. M., Schubert, R. D., Hawes, I. A., Vazquez, et al  
2022