

Ayeong Kwon

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LAST UPDATED

Apr 17, 2025

EDUCATION

Mar. 2017 ~ Feb. 2022	Kyung Hee University Department of Biology	Seoul, Korea
Thesis: Identification of CD4+ T Cell Transcriptomic Signatures in Rheumatoid Arthritis through Whole Transcriptome Association Analysis <i>Advisor: Kwangwoo Kim</i> <i>B.S. in Biology</i> GPA: 4.102 / 4.3 <i>Summa Cum Laude</i>		
Mar. 2022 ~ Present	Kyung Hee University Department of Biology	Seoul, Korea
Thesis: Genomics <i>Advisor: Kwangwoo Kim</i> <i>Ph.D. Student</i>		

PUBLICATIONS (SCIE/ESCI)

1. Kwangwoo Kim^{^*}, Shin Ju Oh[^], Junho Lee, **Ayeong Kwon**, Chae-Yeon Yu, Sangsoo Kim, Chang Hwan Choi, Sang-Bum Kang, Tae Oh Kim, Dong Il Park, Chang Kyun Lee^{*}, "Regulatory Variants on the Leukocyte Immunoglobulin-Like Receptor Gene Cluster are Associated with Crohn's Disease and Interact with Regulatory Variants for TAP2", *JOURNAL OF CROHN'S AND COLITIS*. 18(1):47-53, doi:10.1093/ecco-jcc/jjad127. [January, 2024]
2. Sehwan Chun[^], So-Young Bang[^], **Ayeong Kwon**, Chan Young Kim, Soojin Cha, Young-Chang Kwon, Young Bin Joo, Soo-Kyung Cho, Chan-Bum Choi, Yoon-Kyoung Sung, Ji-Young Han, Tae-Hwan Kim, Jae-Bum Jun, Dae Hyun Yoo, Hye-Soon Lee, Kwangwoo Kim^{*}, Sang-Cheol Bae^{*}, "Genetic burden of lupus increases the risk of transition from normal to preclinical autoimmune conditions via antinuclear antibody development", *Annals of the Rheumatic Diseases*. 18(1):47-53, doi: 10.1016/j.ard.2025.01.015. [January, 2025]

CONFERENCES

1. **The 19th KOGO Winter Symposium, Korea Genome Organization (KOGO), Seoul, Korea** – "A genome-wide association study identifies three susceptibility loci for rheumatoid arthritis in the Korean population" – Oral Presentation February 2023
2. **15th International Congress on Systemic Lupus Erythematosus and the 43rd Korean College of Rheumatology Annual Scientific Meeting & 17th International Symposium (LUPUS & KCR 2023), Seoul, Korea** – "Identification of three novel susceptibility loci for rheumatoid arthritis in a large-scale genome-wide association study in the Korean population" – Oral Presentation May 2023
3. **2023 Annual Meeting, American Society of Human Genetics (ASHG), Washington D.C., USA** – "A trans-ancestral meta-analysis of genome-wide association study identifies 146 susceptibility loci for rheumatoid arthritis" – Poster Presentation November 2023

AWARDS AND HONORS

- 2023 Young Scientists' Awards, Korea Genome Organization, Korea (Feb. 2023)
- Summa cum laude, Dean's Award, Department of Biology, Kyung Hee University, Korea (Feb. 2022)
- Grand prize, Department of Biology, Kyung Hee University, Korea (Oct. 2020)
- Grand Prize, Department of Biology, Kyung Hee University, Korea (Oct. 2019)
- Three-year full scholarship, Kyung Hee University, Korea (May. 2022 ~ Feb. 2025)
- Research Scholarship, Department of Biology, Kyung Hee University, Korea (Feb. 2021 ~ Aug. 2021)
- Taesung Scholarship, Taesung Scholarship foundation, Korea (Mar. 2019 ~ Dec. 2020)
- Portfolio Excellence Scholarship, Kyung Hee University, Korea (Dec. 2017)

PROJECTS

- Identification of biomarkers and construction of prediction models for systemic lupus erythematosus leveraging multi-omics big data, National Research Foundation of Korea, Korea (Mar. 2022 ~ Present)
- Sex-stratified genome-wide association study for SLE in Chinese and Korean populations, National Research Foundation of Korea, Korea (Aug. 2023 ~ Present)
- Identification of drug targets and a disease prediction model for rheumatoid arthritis by mining big data of T-cell multi-level omics and clinical information, National Research Foundation of Korea, Korea (Jan. 2021 ~ Oct. 2022)

CERTIFICATIONS

- **Teacher's Certificate:** Regular teachers (Grade II), Biology issued by the Ministry of Education, South Korea [February 2022]