

Yeonwoo Jeong

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As a medical student in Seoul National University with a double major in Psychology, I aspire to become a warm-hearted neuropsychiatrist as well as develop a research career in biological psychiatry. My long-term research goal is to bridge the gap between psychiatric nosology and pathophysiology by intertwining pioneering discoveries in neuroimmunology with a profound understanding of the human mind achievable through clinical expertise.

Education and Training

03/2021 – 02/2028 **Doctor of Medicine & B.A. in Psychology**, Seoul National University, Seoul, South Korea

Microdegree in Neurophysiology (Continuing Research Support Program)

- *Hakgye Merit Scholarship* (full tuition), Spring 2024.

- *Premedical Course Dean's List* (GPA 3.91/4.00)

03/2018 – 02/2021 **High School Diploma**, Korean Minjok Leadership Academy (KMLA), Hoengseong, South Korea

- *Exemplary Student Award*, Feb 2021.

- *Yeongjae Merit Scholarship* (partial tuition) from Fall 2018.

Professional Experiences

11/2024 – Present **Research Collaborator, Cultural & Developmental Psychology Laboratory**

Department of Psychology, Scripps College (PI: Heejung Park)

- Researched on self-identity and resilience against early-life trauma in North Korean defectors.

12/2021 – Present **Student Research Assistant, Laboratory of Neurological Disease**

Department of Biomedical Sciences, Seoul National University (PI: Seung-Jae Lee)

- Researched on TLR2 as the mediator of α -synuclein propagation in synucleinopathies.

- Researched on oligodendroglial pathology induced by transmission of neuron-released α -synuclein.

- *SNU Physician-Scientist Training Undergraduate Research Scholarship* (\$1,200), Oct 2024.

- *Health Fellowship Foundation Research Scholarship* (\$5,000), Aug 2024.

Publications

** indicates equal contribution*

Bae EJ*, Ham S*, **Jeong Y**, Yang WS, Shin J, Lee WJ, Ahn WJ, Yoon YS, Lee HJ, Park SH, Lee SJ. Anti-TLR2 immunotherapy modulates neuron-to-oligodendrocyte propagation of α -synuclein. *Nature Communications*. Submitted.

Conference Presentations

** indicates equal contribution*

Jeong Y, Bae EJ, Ham S, Yang WS, Park SH, Lee SJ. Toll-like receptor 2 mediates oligodendroglial pathology in alpha-synucleinopathies. Oral session presented at: 39th Seoul National University College of Medicine Alumni Association of North America Convention; 2025 Apr 10–13; Falls Church, VA.

Bae EJ*, Ham S*, **Jeong Y**, Yang WS, Shin J, Lee WJ, Ahn WJ, Yoon YS, Lee HJ, Lee SJ. Neuron-to-oligodendrocyte alpha-synuclein transmission in multiple system atrophy is mediated by Toll-like receptor 2. Poster session presented at: 1st Seoul National University Physician-Scientist Training Program Workshop; 2024 Dec 5–6; Incheon, South

Korea.

Jeong Y, Bae EJ, Lee SJ. Expression of neural phenotype in alpha-synuclein-exposed human oligodendrocytes. Oral session presented at: Alpha-synuclein inclusion may provoke neuron-oriented transdifferentiation in human oligodendrocytes. 2022 Seoul National University Premedical Course Research Festival; 2022 Dec 16; Seoul, South Korea.

Honors and Awards

04/2025 **Travel Award for the 39th SNUCMAA Convention** (\$1,500) for Jeong et al.

12/2022 **Premedical Student Research Award** (best presentation, \$1,000) for Jeong et al.

06/2021 **Volunteer Social Service Award**, Seoul National University

12/2020 **Talent Award of Korea**, Deputy Prime Minister and Minister of Education of the Republic of Korea

- National honor awarded to 50 high school students with outstanding achievements, \$2,000 scholarship

01/2020 **Korean Chemistry Olympiad Finalist: Certificate of Merit**, Korean Chemical Society

08/2019 **Korean Biology Olympiad Finalist: Future Biologist Award**, The Korean Society of Biology Education