

Yeonwoo (William) Jeong

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Education and Training

03/2021 – 02/2029 **Doctor of Medicine**, Seoul National University, Seoul, South Korea

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

- Longitudinal Research Program in Neuroscience, 2023–Present.

03/2021 – 02/2029 **Bachelor of Arts in Psychology**, Seoul National University, Seoul, South Korea

- Thesis: Empowering memories help maintain self-confidence in a stressful cognitive task

Professional Experiences

04/2025 – Present **Research Collaborator, Systems Neuroscience & Biological Psychiatry Laboratory**

Department of Psychiatry, Weill Cornell Medical College (PI: Conor Liston, M.D., Ph.D.)

- Precision functional mapping of the frontostriatal salience network in major depressive disorder.

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

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

- Positive youth development and intrinsic motivation in youth from diverse backgrounds.

- Meaning-making, healing, and resilience among post-traumatic individuals and communities.

12/2021 – 02/2025 **Student Research Assistant, Laboratory of Neurological Disease**

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

- TLR2 as the mediator of α -synuclein propagation in Parkinson's disease and other synucleinopathies.

- Oligodendroglial pathology induced by transmission of neuron-released α -synuclein in multiple system atrophy.

Research Projects

10/2024 – Present **Understanding the Lived Experiences of Multicultural Youth in South Korea: A Mixed Methods Project**

Advisors: Heejung Park, Ph.D. (Scripps College), Jessica Chiang, Ph.D. (Georgetown University)

01/2025 – Present **Foudroyant Neuropsychiatric Syndrome After Vaccination: Symptom Trajectories and Clinical Outcomes**

Advisors: Sun Young Yum, M.D., Ph.D. (Brain Boutique, Inc.), Michael Hwang, M.D. (New York Medical College)

Clinical Experiences

04/2025 **Clinical Observer, Inova Fairfax Medical Campus**, Inova Health System

- Inova Multiple Sclerosis & Neuro-Immunology Center / Inova Schar Cancer Institute

03/2025 **Clinical Observer, Department of Medicine**, UC Irvine Medical Center, UC Irvine Health

- Kidney Transplant Program / American Heart Association Comprehensive Hypertension Center

Publications

* indicates equal contribution

Bae EJ*, Ham S*, **Jeong YW**, 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 YW, 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 Convention of the Seoul National University College of Medicine Alumni Association of North America; 2025 Apr 10–13; Falls Church, VA.

Bae EJ*, Ham S*, **Jeong YW**, 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.

Kim S*, **Jeong YW***, Park S. Psychiatric needs and trauma among North Korean defectors: A comparative analysis with post-Soviet

populations. Poster session presented at: 2024 Asian Pacific American Medical Student Association Research Conference; 2024 Oct 11–13; Irvine, CA.

Jeong YW, 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 **Speaker Invitation to the 39th SNUCMAA of North America Convention** (\$1,500 travel award) for Jeong et al.

10/2024 **SNU Physician-Scientist Training Program Medical Student Research Scholarship** (\$1,200), Seoul National University

08/2024 **Health Fellowship Foundation Research Scholarship** (\$5,000), Health Fellowship Foundation, South Korea

01/2023 **Premedical Academic Excellence Award**, Seoul National University

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

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

12/2020 **Talent Award of Korea** (\$2,000 scholarship), Deputy Prime Minister and Minister of Education of the Republic of Korea
- National honor awarded to 50 high school students with outstanding achievements

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

Professional Memberships

2024 – Present Medical Student Member, American Psychiatric Association

2025 – Present Junior Member, European Academy of Allergy and Clinical Immunology