

## ***Yeonwoo (William) Jeong***

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With an academic background of psychology, medicine, and neuroscience across S. Korea and the U.S., I aspire to become a warm-hearted neuropsychiatrist and biopsychiatry researcher. My long-term research goal is to further refine our conceptualization of mental illness, intertwining pioneering discoveries in psychoneuroimmunology with a profound understanding of the human mind achievable through clinical expertise.

### **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 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 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 in adolescents from diverse backgrounds.

- Meaning-making and resilience in traumatized 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  $\alpha$ -synuclein propagation in synucleinopathies.

- Oligodendroglial pathology induced by transmission of neuron-released  $\alpha$ -synuclein.

### **Research Projects**

01/2025 – Present **Profiling Vaccine-Related Neuropsychiatric Adverse Events in Pharmacovigilance Reports**

Advisor: Sun-Young Yum, M.D., Ph.D. (Brain Boutique, Inc.)

10/2024 – Present **Understanding the Lived Experiences of Multicultural Youth in South Korea**

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

### **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 / AHA 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  $\alpha$ -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 oligodendroglipathy 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.

**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 NA Convention** (\$1,500 travel award) for Jeong et al.

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

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

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**, 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