Curriculum Vitae

Kihoon Yuk

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# Education

2025.9 – present **Ph.D. in Neuroscience & Cognitive Science**

University of Maryland, College Park, MD (USA)

Mentor Professor: Dr. Carson Jerome Smith

2022.9 – 2024.8 **Master in Sport Science** – Exercise Biochemistry

College of Education, Seoul National University (SNU), Seoul, Republic of Korea

*Thesis topic : Comparing the effects of different exercise modes on mood symptoms and EEG activity*

Mentor Professor: Dr. Hyo Youl Moon

2021.9 – 2022.8 **Minor degree in Biological Science**

College of Natural Science, Seoul National University, Seoul, Republic of Korea

2016.3 - 2022.8 **Bachelor of Sport Science**

College of Education, Seoul National University, Seoul, Republic of Korea

2-years compulsory military service (2018. 11. – 2020. 06.)

Mentor Professor: Dr. Joonho Kang

# Research Interests

* + Exploring the impact of exercise on brain mechanisms
  + Investigating neural changes of people with poor mental health after exercise
  + Finding the role of exercise in case of changes in cognition and brain-related blood biomarker levels
  + Neuroimaging or electrophysiological testing in people with mental illnesses or cognitive decline

# Publication

2025. 7. Tae Yeon Kim, Yun Seo Cho, Jae Yeon Park, Songwon Woo, **Kihoon Yuk**, Dong Heon Yi, In cheol Jeong, Jin Pyeong Jeon, Yoe-Sik Bae, Min-Chul Lee,Hyo Youl Moon. *Exercise preconditioning alleviates photothrombotic ischemic stroke in mice by orchestrating neutrophils (Frontiers in Physiology)*

2025. 3. **Kihoon Yuk**, Jawon Lim, Sangyun Kim, Tae Yeon Kim, Hyo Youl Moon. *Comparing the effects of different exercise modes on mood symptoms and EEG activity (Frontiers in Human Neuroscience)*

2024. 12. Sangyun Kim, **Kihoon Yuk**, Cheolmin Lee, Hyeonggyu Yang, Jihong Kim, Hyo Youl Moon. *Effects of carbohydrate mouth rinse during repeated sprint exercise (Sport Science Review)*

2024. 8. **Kihoon Yuk**, Jawon Lim, Hyo Youl Moon. *Comparing the effects of resistance and aerobic exercise on mood-related symptoms and EEG activity in young healthy adults: A pilot study (Elsevier, Mental Health and Physical Activity)*

2023. 2. **Kihoon Yuk**, Sun Min Lee, Woo Ri Bae, Jae Yeon Park, Song Won Woo, Parkyong Song, In Cheol Jeong, Ji-Seok Kim, Hyo Youl Moon. *Distinct effect of exercise modes on mood-related behavior in mice (Elsevier, Biochemical and Biophysical Research Communications)*

Under review So Young Ahn, **Kihoon Yuk**, et al. *Comparison of Cognitive Function, Brain Waves, Brain Damage Blood Biomarker Levels in Contact Sports Athletes with Sports-Related Concussion History*

# Presentation

2025. 4. Effects of carbohydrate mouth rinse during repeated sprint exercise. *Korean Society for the study of obesity.*

2024. 10. Comparing the effects of different exercise modes on mood symptoms and EEG activity. *Neuroscience 2024 (Society for Neuroscience)*.

2024. 5. Comparing the effects of resistance and aerobic exercise on mood-related symptoms and EEG activity in young healthy adults: A preliminary study. *Cell Symposia.*

2024. 4. Comparing the effects of resistance and aerobic exercise on mood-related symptoms and EEG activity in young healthy adults: A preliminary study. *Korean Society of Exercise Physiology.*

2022. 9. Distinct effect of exercise modes on mood-related behavior in mice. *Conference of Korean Alliance for Health, Physical Education, Recreation, and Dance*.

2021. 9. *Online exercise program to alleviate lack of exercise for housewives in developing countries: MOM-FIT*

\*Participation Prize: 2021 SNU Social responsibility PLUS+ contest

# Scholarship

2024-1 **Lecture & Research Scholarship**, SNU Athletics Division (TA grant)

2023-1, 2 **Lecture & Research Scholarship**, SNU Athletics Division (TA grant)

2022-8 **Lecture & Research Scholarship**, SNU Athletics Division (TA grant)

2021 **Work-Study Scholarship**, SNU Athletics Division

2021 **Work-Study Scholarship**, SNU Athletics Division

2018 **Work-Study Scholarship**, SNU Athletics Division

2017 **Work-Study Scholarship**, SNU Athletics Division

# Work Experience

2025. 01. – 2025. 08. **Part-time intern**

Korean Frailty and Aging Cohort Study

2024. 07. – 2024. 12. **Full-time intern**

SNU Cancer Research Institute

Molecular and Translational Neuroimaging Lab (Medical Science)

2022. 02. – 2023. 02. **Full-time Teaching Assistant**

SNU Center for Sport Development & Promotion

# Teaching Experience

2023. 02 - **Tennis Class** for SNU Center for Sport Development & Promotion (6 semesters)

2021 Spring **Teaching Practice** for Seoul National University High School