


Jiwoong Park, Ph.D. CURRICULUM VITAE (Last updated: May 2026)

Postdoctoral researcher

Department of Neuroscience, University of California, Berkeley

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RESEARCH INTEREST

- **Cognitive computational neuroscience**
Naturalistic Perception-Action-Cognition, Cognitive control in action, System identification
- **Scientific computing and High-performance computing**
Numerical analysis, Computational simulation, Optimization

RESEARCH EXPERIENCE

- **Postdoctoral Researcher**, Department of Neuroscience, University of California, Berkeley Apr 2026 – Present
Advisor: Jack L. Gallant
- **Visiting Scholar**, Department of Neuroscience, University of California, Berkeley Nov 2025 – Mar 2026
Advisor: Jack L. Gallant
- **Graduate Student Researcher**, Center for Neuroscience Research, Institute for Basic Science Feb 2019 – Feb 2026
Advisor: Won Mok Shim
- **Research Assistant**, Department of Chemistry, Hanyang University Sep 2017 – Feb 2019
Advisor: Yeong-do Won

EDUCATION

- **Sungkyunkwan University** Mar 2019 – Feb 2026
Ph.D. in Biomedical Engineering (Advisor: Won Mok Shim)
Dissertation: The Neural Basis of Goal-Directed Behaviors in Naturalistic Cognition
- **Hanyang University** Mar 2013 – Aug 2017
B.Sc. in Physics (Advisor: Jae-Hyeok Oh)
B.Sc. in Chemistry (Advisor: Yeong-do Won)

PUBLICATIONS & PREPRINTS

1. **Park, J.**, Song, H., Shim, W. M. (2025). Hippocampal systems for event encoding and sequencing during ongoing narrative comprehension. *Communications Biology*.
2. **Park, J.**, Jeon, J. Y., Kim, R., Kay K., Shim, W. M. (2026). Motion-corrected eye tracking improves gaze accuracy during visual fMRI experiments. *Nature Communications*.
3. Kim J., **Park, J.**, Whyte C. J., Moon J.-Y., Woo C.-W., Shine J. M., Yoo S. B. M. A Neurocomputational Basis for Perceptual Hysteresis (*submitted*)
4. Kwon, D.* , **Park, J.*** , Shim, W. M. Organizing perception, action, and internal state into events. (*submitted*)

* Co-first authors

TEACHING EXPERIENCE

- **GBME 3045: Brain Imaging and Mapping**, Lab instructor, Sungkyunkwan University 2020 Fall
UNIX programming, fMRI preprocessing, General Linear Model, Basic statistics, MVPA & RSA
- **GBME 4005: Principles of Human Brain Mapping**, Lab instructor, Sungkyunkwan University 2021 Fall
Python programming, fMRI preprocessing, General Linear Model, Basic statistics, MVPA & RSA
- **GBME 4005: Principles of Human Brain Mapping**, Lab instructor, Sungkyunkwan University 2022 Fall
Python programming, fMRI preprocessing, General Linear Model, Basic statistics, MVPA & RSA

AWARDS & HONORS

- **Scholarship, Fellowship and Research grants**
 - Lee Hyun Koo Brain Science Fellowship, Center for Neuroscience Imaging Research, \$11,000 (2025)
 - Ph.D. Student Research Fellowship, National Research Foundation of Korea, \$16,000/year, (2021 – 2023)
 - K-STARTUP grants, Ministry of SMEs and Startups of Korea, \$35,000 (2019 - 2020)
 - 4-years Hanyang full-tuition scholarships, Hanyang University, \$10,000/year (2013 – 2016)
 - Han-In Seok alumni scholarship, Hanyang University, \$1,200 (2015)
- **Awards**
 - Best practice in computational cognitive science, Korean Society for Cognitive and Biological Psychology (2024)
 - Best poster presentation, Korean Society for Cognitive and Biological Psychology (2024)
 - Best poster presentation, Center for Neuroscience Imaging Research, Institute of Basic Science (2020, 2021, 2024)
 - Best dissertation, Department of Chemistry, Hanyang University (2017)
 - Korea super-computing exhibitions, Korea Institute of Science and Technology Information (2016)
 - Silver & Bronze medal, Samsung HumanTech Paper Award, Samsung Electronics (2011, 2012)

SKILLS & SERVICE

- **Scientific computing and Software development**
 - Highly qualified in Python, JAVA, DART, C, MATLAB, and other widely used scientific computing frameworks
 - Computer simulation, Numerical analysis, High-performance computing
 - Full-stack software development (iOS, Android), Video game development
- **Service**
 - Student body president, Center for Neuroscience Imaging Research, Institute for Basic Science (2022 – 2023)
 - Graduate student council, Sungkyunkwan University (2019 – 2022)
 - Editor, Publishing Department, Mensa Korea (2022 – 2023)
 - Startup & research mentor, Gyeonggido Jab Foundation (2024 – 2025)
 - Member, Mensa Korea (2022 – Present)
 - Member, Mensa International (2026 – Present)