

JeongJun Park

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EDUCATION

2021- Washington University in St. Louis
Ph.D. Department of Neuroscience
Cognitive, Computational, and Systems Neuroscience (CCSN) Pathway
Advisor. Lawrence H. Snyder

2018-20 Sungkyunkwan University
M.E. Department of Biomedical Engineering
Advisor. Joonyeol Lee

2011-18 Sungkyunkwan University
B.A. Department of Philosophy
B.S. Department of Biology
(2013-15 Military Service)

PUBLICATIONS (*equal contribution)

Park, J., Holmes, C. D., Snyder, L. H. (Under review). Compositional architecture: Orthogonal neural codes for task context and spatial memory in prefrontal cortex. *bioRxiv*. [\[link\]](#)

Song, H.*, **Park, J.***, Rosenberg, M. D. (2024). Understanding cognitive processes across spatial scales of the brain. *Trends in Cognitive Sciences* 29: 3, 282-294. [\[link\]](#)

Park, J.*, Kim, S.*, Kim H.R., Lee, J. (2023). Prior expectation enhances sensorimotor behavior by modulating population tuning and subspace activity in sensory cortex. *Science Advances* 9: 27. [\[link\]](#)

Jeong, W., Kim, S., **Park, J.**, Lee, J. (2023). Multivariate EEG activity reflects the Bayesian integration and the integrated Galilean relative to velocity of sensory motion during sensorimotor behavior. *Communications Biology* 6: 113. [\[link\]](#)

Kim, S., **Park, J.**, Lee, J. (2019). Effect of Prior Direction Expectation on the Accuracy and Precision of Smooth Pursuit Eye Movements. *Frontiers in Systems Neuroscience* 13: 71. [\[link\]](#)

CONFERENCE TALKS

Park, J., Song, H., Rosenberg, M. D. (2025). Understanding cognitive processes across spatial scales of the brain. Contributed Session at the Society for Philosophy and Neuroscience (SPAN) Annual Meeting, St. Louis

Park, J., Holmes, C. D., Snyder, L. H. (2023). Task-specific neural modules for spatial working memory in the frontal cortex. Nanosymposium “Distributed Mechanisms for Working Memory” at the Society for Neuroscience (SfN) Annual Meeting, Washington DC

CONFERENCE POSTER PRESENTATIONS

Park, J. & Snyder, L. H. (2025). Dynamic timescales of neural fluctuations across tasks in the prefrontal cortex. Society for Neuroscience (SfN) Annual Meeting, San Diego, CA

Park, J., Holmes, C. D., Snyder, L. H. (2023). Common spatial working memory module across tasks. Simian Collective Meeting, Chicago, IL

Park, J., Kim, S., Lee, J. (2019). Prior expectation of motion direction reduces the pursuit direction variation and interneuronal correlations in macaque area MT. Society for Neuroscience (SfN) Annual Meeting, Chicago, IL

Jeong, W., **Park, J.**, Lee, J. (2019). The interaction between prior knowledge and sensory evidence revealed in multivariate EEG activity pattern during smooth pursuit eye movement. Society for Neuroscience (SfN) Annual Meeting, Chicago, IL

Park, J., Kim, S., Lee, J. (2019). Prior expectation reduces the trial-by-trial variation of pursuit direction and interneuronal correlations in macaque area MT. The 10th IBRO World Congress of Neuroscience, Daegu, Korea

AWARDS & HONORS

- 2024 Neuroscience Student Grant Competition winner, Washington University
- 2024 Merlie Traveling Fellowship, Washington University
- 2018-19 Shimsan Scholarship, Sungkyunkwan University
- 2016-17 Munhaeng Scholarship, Sungkyunkwan University
- 2016-17 National Scholarship, Korea Student Aid Foundation

TEACHING

- 2022 Lab of Neurophysiology (Prof. Mary Lambo & Mitchell Kundel), TA, Biology and Biomedical sciences, Washington University
- 2018, 19 Experimental Programming (Prof. Joonyeol Lee), TA, Biomedical Engineering, Sungkyunkwan University

MENTORING

- 2025- Peer mentor for a first-year graduate student, Washington University
- 2018 Mentor in International Summer Internship Program, Center for Neuroscience Imaging Research (CNIR), IBS, Korea

ACADEMIC TRAINING

- 2024 Methods in Computational Neuroscience, Marine Biological Laboratory, Woods Hole, MA
- 2019 IBRO-ICPBR Summer School of Primate Neurobiology, Institute of Neuroscience, Chinese Academy of Sciences, Shanghai, China

ACADEMIC SERVICE

2025- Student Representative, Department of Neuroscience Seminar Committee, Washington University
2025 Volunteer for the Amazing Brain Carnival SciFest, Saint Louis Science Center
2018 Student Representative, Graduate Student Committee, Department of Biomedical Engineering, Sungkyunkwan University

AD HOC REVIEWER

Journal of Neuroscience
PLOS Computational Biology