Sujin Park, M.A.

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RESEARCH INTERESTS

Biomarker, Neuropsychiatric Disorder, Mental Health

EDUCATION

University of California San Diego, USA   2024-2029 (Expected)
Ph.D. in Cognitive Science (Advisor: Dr. Deanna Greene)

Sungkyunkwan University, South Korea
M.A. in Psychology (Advisor: Dr. Justin Minue Kim)   2022-2024
B.A. in Political Science and Diplomacy & Psychology, *magna cum laude*   2017-2022

PUBLICATIONS

Peer-reviewed Journal Articles (* Equal author contribution)

1. **Park, S.**, Patterson, G., Gudiño, O. G., Kim, M. J., & Kim, P. (2026). Identifying subtypes based on environmental and neurobiological risk and resilience factors of postpartum maternal mental health. *Translational psychiatry*, *16*(1), 47. [Full Text]

2. Jeon, J., Yoo, C., **Park, S.**, Kim, B., Yoo, J., Kim, M. J., Park, D. (2025). Grit buffers against stress-induced physiological response. *Personality and Individual Differences*, *247*, 113390. [Full Text]

3. Yoo, J.*, Kim, B.*, **Park, S.**, Jeon, J., Yoo, C., Kim, M. J., & Park, D. (2025). Gritty Heart: Improved Heart Rate Variability Markers of Adaptive Physiological Response in Grit. *Psychophysiology*, *62*(5), e70064. [Full Text]

4. **Park, S**., Park, D., & Kim, M. J. (2023). Similarity in functional connectome architecture predicts teenage grit. *Social Cognitive and Affective Neuroscience*, *18*(1), nsad047. [Full Text]

5. Yoo, C.*, **Park, S.***, & Kim, M. J. (2022). Structural connectome-based prediction of trait anxiety. *Brain Imaging and Behavior*, *16*(6), 2467-2476. [Full Text]*: featured on the journal cover*

Unpublished Manuscripts

1. Demeter, D. V., Feigelis, M., Badke D'Andrea, C., Ali, S. A., Baim, A. R., Koithan, E., Stearns, J., Zreik, S., Ahern, J., **Park, S.**, Chang, S. E., Miller, R. L., Hampton, J. M., Schlaggar, B. L., Marek, S., Gordon, E. M., Dosenbach, N. U. F., Gratton, C., Greene, D. J. (under review). Precision functional mapping reveals less inter-individual variability in the child vs. adult human brain. [Preprint]

FELLOWSHIPS AND GRANTS

KFAS Overseas PhD Scholarship, $13,000/year   2024-2029 (Expected)
Korea Foundation for Advanced Studies

KFAS Overseas PhD Scholarship candidate, ₩5,000,000 ($5,000)   2023-2024
Korea Foundation for Advanced Studies

Fulbright Graduate Student Program, selected as an Alternate Candidate (declined)   2023
Fulbright Korea

SKKU Lab Mentoring Program Research Fund, ₩1,000,000 ($1,000)   2022-2023
Sungkyunkwan University

AWARDS AND SCHOLARSHIPS

Brain Korea 21 (BK21) Research Fellow, Sungkyunkwan University   2022-2024

Full Scholarship for Graduate School (Merit-based), Sungkyunkwan University   2022-2024

Grand Prize, Research Matters Graduate Research Competition, Sungkyunkwan University   2022
Research Title: *Structural Connectome-based Prediction of Trait Anxiety*

Grand Prize, 2021-2 Co-Deep Learning Project competition, Sungkyunkwan University   2021
Research Title: *Social Isolation Stress and the Brain: Connectome-based Predictive Modeling Neuroimaging Research*

1st Prize, 2021-1 Co-deep Learning Project Competition, Sungkyunkwan University   2021
Research Title: *Association between the Structural Integrity of the Amygdala-PFC Pathways and Maladaptive Emotion Regulation Strategies*

PRESENTATIONS

Conference Posters (* Equal author contribution)

1. Kaplan E, Chang SE, **Park S,** Cazares C, Schallmo M, Greene DJ, Conelea C, Mungai T, Voytek B, Wang S (2026, accepted). Aperiodic neural activity as a marker of excitation/inhibition balance in children with Tourette Syndrome. *Cognitive Neuroscience Society*, Vancouver, Canada.

2. Ali SA, Baim AR, Chang SE, Ahern J, **Park S**, Conelea C, Wang S, Greene DJ (2025). A multimodal approach to brain-body interactions in Tourette Syndrome:Preliminary Evidence from Comprehensive Behavioral Intervention for Tics (CBIT). *Society for Neuroscience*, San Diego, USA.

3. **Park S,** Chang S, Ali SA, Ahern J, Baim AR, Koithan EM, Zreik S, Demeter DV & Greene DJ (2025). Characterizing functional brain network integration in the basal ganglia and thalamus in children with Tourette syndrome. *Flux Congress Annual Meeting*, Dublin, Ireland.

4. Demeter DV, Zreik S, **Park S,** Feigelis M, Ali SA, Koithan EM, Baim AR, Ahern J, Chang SE, Gordon EM, Greene DJ (2025). Inter-individual differences in connectivity of the somato-cognitive action network (SCAN) in a precision mapping child sample. *Flux Congress Annual Meeting*, Dublin, Ireland.

5. **Park S**, Patterson G, Kim MJ & Kim P (2024). Subtyping Environmental and Neurobiological Risk and Resilience Factors of Maternal Mental Health During the Perinatal Period. *Social & Affective Neuroscience Society*, Toronto, Canada.

6. **Park S***, Yoo C* & Kim MJ (2023). Linking neuroimaging-based features of normative structural and functional brain development in adolescents. *Developmental Affective Neuroscience Symposium*, Pittsburgh, PA, USA.

7. **Park S** & Kim MJ (2023). Similar Functional Connectome Architecture Predicts Teenage Grit. *Social & Affective Neuroscience Society*, Santa Barbara, CA, USA.

8. Yoo C, **Park S**, Ryu H, Jeong E, Lee S & Kim MJ (2022). Structural connectome-based prediction of social isolation stress. *Korean Society for Cognitive & Biological Psychology*, Virtual Conference.

OTHER EXPERIENCES

Clinical Research Intern | Korea Children and Youth Psychological Counseling Center   2020-2021
- Instructed sentence completion tests (SCT)
- Developed and organized the Weekly Social Skills Improvement Program activities for children with neurodevelopmental disorders (e.g., attention-deficit-hyperactivity disorder, tic disorder, autism spectrum disorder)*,* wrote weekly report as a group co-leader

Volunteer | Seoul National University Children's Hospital   2019
- Guided reception, payment and administrative procedures

SKILLS

Statistical Analysis: R, Python, MATLAB, SPSS
Neuroimaging and Behavioral Analysis: Connectome Workbench, fMRIprep, AFNI, FSL, MRtrix3, Psychopy

TEACHING ASSISTANTSHIPS

UC San Diego
Decision Making in the Brain (COGS180)   WI26
Neurobiology of Cognition (COGS17)   WI25, SP25, FA25

Sungkyunkwan University
Introduction to Psychology (GEDI008-01)   SP23
Brain and Mind (PSY3040)   FA22
Neuroscience of Human Behavior (PSY3041)   SP22

MENTORING

Graduate Mentor | Colors of the Brain (https://colorsofthebrain.com/), USA   2025-Present
- Mentoring undergraduate students at UC San Diego for the 10-week summer research project and honors thesis program (mentees: Mariana Garcia, Aisha Cinar)