

MINA KWON

CONTACT INFORMATION

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RESEARCH INTERESTS

Computational Clinical Psychology, Substance Use Disorder, Clinical Neuroscience, Psychology of Addiction, Naturalistic fMRI paradigms

EDUCATION

Seoul National University

Ph.D. in Psychology

Seoul, Korea

2021.09 ~ 2025.02

- Advisor: Professor Woo-Young Ahn

- Computational Clinical Science Laboratory ([CCS Lab](#))

- Area of Study: Clinical Psychology

University of Chicago

Visiting Ph.D. Student

Chicago, IL

2024.01 ~ 2024.06

- Advisor: Professor Monica Rosenberg

- Cognition, Attention, & Brain Lab ([CAB Lab](#))

Seoul National University

M.A. in Psychology

Seoul, Korea

2019.09 ~ 2021.08

- Advisor: Professor Woo-Young Ahn

- Computational Clinical Science Laboratory ([CCS Lab](#))

- Area of Study: Clinical Psychology

Seoul National University

B.A. in Psychology

Seoul, Korea

2015.03 ~ 2019.08

- Minor: Brain-Mind-Behavior

Stony Brook University

Exchange student

StonyBrook, NY

2017.08 ~ 2017.12

EMPLOYMENT

Department of Psychiatry,
Kangdong Sacred Heart Hospital
Researcher

Seoul, Korea

2024.12 ~ present

CLINICAL TRAINING

Center for Campus Life and Culture,
Seoul National University
Practice Consultants

Seoul, Korea
2021.01 ~ 2025.02

PUBLICATIONS

- Kwon, M.***, Choi, H.* , Park, H., Ahn, W.* , Jung Y.* (2024) Neural correlates of model-based behavior in internet gaming disorder and alcohol use disorder, *Journal of Behavioral Addictions*, <https://doi.org/10.1556/2006.2024.00006>.
- Kwon, M.**, Kim, H., Yang, J., Lee, Y., Hur, J., Lee, T.-H., & Ahn, W.-Y. (2024) Caffeinated soda intake in children is associated with neurobehavioral risk factors for substance misuse. *Substance Use and Misuse*, <https://dx.doi.org/10.1080/10826084.2023.2259471>.
- Kwon, M.**, Lee, S., & Ahn, W.-Y. (2023) Adaptive design optimization as a promising tool for reliable and efficient computational fingerprinting. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, <https://doi.org/10.1016/j.bpsc.2022.12.003>.
- Kim, H., Hur, J. K., **Kwon, M.**, Kim, S., Zoh, Y., & Ahn, W.-Y (2023) Causal role of the dorsolateral prefrontal cortex in modulating the balance between Pavlovian and instrumental systems in the punishment domain. *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0286632>.

ORAL PRESENTATION

- Kwon, M.**, Song, S., Lee, H., Kwon, M., Choi, J.-S., Jung, Y.-C., Rosenberg, D. M., & Ahn, W.-Y. (2024) Interplay between reward and self-referential processing in alcohol craving during naturalistic movie watching, *presented at the annual meeting of the Society for Neuroscience, Chicago*.
- Kwon, M.**, Lee, J.-H., Kim, H., Lee, E., Im, J.J., Doh, H., Yang, J., Pitt, M.A., Myung, J.I., Park, H., Joh, H., & Ahn, W.-Y. (2023) Multi-modal prediction of successful smoking cessation: Insights from neural, computational, and ecological momentary assessments data, *presented at the annual meeting of the Society for Neuroscience, Washington, D.C.*
- Kwon, M.***, Choi, H.* , Park, H., Ahn, W.* , Jung Y.* (2023) Neural correlates of goal-directed control in internet gaming disorder and alcohol use disorder, *presented at 8th International Conference on Behavioral Addictions, Incheon, Korea*.
- Kwon, M.**, Kim, H., Yang, J., Lee, Y., Hur, J., Lee, T.-H., Bjork, J.M., & Ahn, W.-Y. (2023) Caffeinated soda intake in children is associated with neurobehavioral risk factors for substance misuse, *presented at 2023 Annual Conference of the Korean Psychological Association, Suwon, Korea*.
- Kwon, M.***, Choi, H.* , Park, H., Ahn, W.* , Jung Y.* (2023) Shared and Distinct Neurocognitive Features of Internet Gaming Disorder and Alcohol Use Disorder, *presented at 10th World Congress of Cognitive and Behavioral Therapies, Seoul, Korea*.

POSTER PRESENTATION

- Kwon, M.**, Kim, H., Yang, J., Lee, Y., Hur, J., Lee, T., & Ahn, W. (2022) Neuroforecasting exceeds self-reports in predicting cosmetic sales: an fMRI study, *Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego*.
- Kwon, M.**, Kim, H., Yang, J., Lee, Y., Hur, J., Lee, T., & Ahn, W. (2022) Daily Caffeinated Soda Intake in Children is associated With Neurocognitive Vulnerabilities of Substance Misuse and Predicts Greater Alcohol Use in 12 Months, *Poster presented at the Annual Meeting of the Society of Biological Psychiatry, New Orleans*. DOI: <https://doi.org/10.1016/j.biopsych.2022.02.257>
- Kwon, M.**, Lee, J., Yang, J., Chang, S., & Ahn, W. (2021) Identifying unique neurocognitive mechanisms of food addiction and binge eating using longitudinal study design and computational modeling, *Poster presented at Society for Neuroscience, Chicago. (virtual)*
- Park, H., Choi, H., **Kwon, M.**, Ahn, W., & Jung, Y. (2020) Neural Correlates of Goal-Directed Control in Interest Gaming Disorder and Alcohol Use Disorder, *Poster presented at the Annual Meeting of the Society of Biological Psychiatry, New York. (virtual)*
- Kwon, M.**, Kim, H., Yang, J., Hur, J., Lee, T., & Ahn, W. (2019) Identifying behavioral and neural predictors of caffeinated soda intake in childhood using a large database from the ABCD study, *Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago*.
- Kim, H.+, Kim, S.+, **Kwon, M.**, Yang, J., & Ahn, W. (2019) Effects of early life stress and social resources on neurocognitive functions: A large-scale replication study, *Society for Research in Psychopathology, New York*.

TEACHING

Seoul National University

Teaching Assistant

Personality Psychology

2023.09 ~ 2023.12

Seoul National University

Teaching Assistant

Advanced data analysis for brain and cognitive sciences

: Data collection and statistical analysis for functional MRI

2022.09 ~ 2022.12

Computational Psychiatry Course Zurich

Teaching Assistant

Reinforcement Learning using the hBayesDM Package

2021.09

Seoul National University

Teaching Assistant

Seminar in Experimental Psychology: Computational Modeling

2021.03 ~ 2021.08

Seoul National University

Teaching Assistant

Psychological Science of Addiction

2021.03 ~ 2021.08

Seoul National University

Teaching Assistant

Introduction to Psychology

2020.03 ~ 2020.12

Seoul National University

Teaching Assistant

Brain-Mind-Behavior

2019.09 ~ 2020.02

ACADEMIC SERVICES

Manuscript Review

- *Cognitive Psychology (with advisor)*
- *Biological Psychiatry: CNMI (with advisor)*
- *American Journal of Public Health (with advisor)*

GRANTS

Basic Science Research Program

National Research Foundation of Korea (NRF)

2023.09 ~ 2025.02

SNU Undergraduate Research Grant in Social Science

Seoul National University

2019.03 ~ 2020.01

SCHOLARSHIPS AND AWARDS

Excellence Award in Doctoral Colloquium

2023 Annual Conference of the Korean Psychological Association

2023.08

SNU Graduate Scholarship for Basic Science Research

Seoul National University

2020.03 ~ 2021.02

Graduation with honors (Summa cum laude)

Seoul National University

2019.08

Poster Award at Brain-Mind-Behavior poster presentation

Seoul National University

2018.12

Superior Academic Performance undergraduate scholarship

Seoul National University

2018.08 ~ 2019.08

Superior Academic Performance undergraduate scholarship

Seoul National University

2015.08 ~ 2017.12

REFERENCES

Professor Woo-Young Ahn

Department of Psychology, Seoul National University

Email: wahn55@snu.ac.kr

Professor Monica D. Rosenberg

Department of Psychology, The University of Chicago
Email: mdrosenberg@uchicago.edu

- Last updated: 2025.03. -