Mina Kwon

# Contact Information

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**Homepage:** [http://kmario4180.github.io](http://kmario4180.github.io/)

# Research Interests

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

# Education

**Seoul National University** Seoul, Korea

Ph.D. in Psychology *2021.09 ~ 2025.02*

*- Advisor: Professor Woo-Young Ahn*

*- Computational Clinical Science Laboratory (*[*CCS Lab*](https://ccs-lab.github.io/)*)*

*- Area of Study: Clinical Psychology*

**University of Chicago** Chicago, IL

Visiting Ph.D. Student *2024.01 ~ 2024.06*

*- Advisor: Professor Monica Rosenberg*

*- Cognition, Attention, & Brain Lab (*[*CAB Lab*](https://cablab.uchicago.edu/)*)*

**Seoul National University** Seoul, Korea

M.A. in Psychology *2019.09 ~ 2021.08*

*- Advisor: Professor Woo-Young Ahn*

*- Computational Clinical Science Laboratory (*[*CCS Lab*](https://ccs-lab.github.io/)*)*

*- Area of Study: Clinical Psychology*

**Seoul National University** Seoul, Korea  
B.A. in Psychology *2015.03 ~ 2019.08*

*- Minor: Brain-Mind-Behavior*

**Stony Brook University** StonyBrook, NY

Exchange student *2017.08 ~ 2017.12*

# Employment

**Department of Psychiatry,**

**Kangdong Sacred Heart Hospital** Seoul, Korea

Researcher *2024.12 ~ present*

# Clinical Training

**Center for Campus Life and Culture,**

**Seoul National University** Seoul, Korea

Practice Consultants *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: CNNI (with advisor)*
* *American Journal of Public Health (with advisor)*

# Grants

**Basic Science Research Program** *2023.09 ~ 2025.02*

National Research Foundation of Korea (NRF)

**SNU Undergraduate Research Grant in Social Science** *2019.03 ~ 2020.01*

Seoul National University

# Scholarships and Awards

**Excellence Award in Doctoral Colloquium** *2023.08*

*2023 Annual Conference of the Korean Psychological Association*

**SNU Graduate Scholarship for Basic Science Research** *2020.03 ~ 2021.02*

*Seoul National University*

**Graduation with honors (Summa cum laude)** *2019.08*

*Seoul National University*

**Poster Award at Brain-Mind-Behavior poster presentation** *2018.12*

*Seoul National University*

**Superior Academic Performance undergraduate scholarship** *2018.08 ~ 2019.08*

*Seoul National University*

**Superior Academic Performance undergraduate scholarship**  *2015.08 ~ 2017.12*

*Seoul National University*

# References

**Professor Woo-Young Ahn**

Department of Psychology, Seoul National University

Email: [wahn55@snu.ac.kr](mailto:wahn55@snu.ac.kr)

**Professor Monica D. Rosenberg**

Department of Psychology, The University of Chicago

Email: [mdrosenberg@uchicago.edu](http://mdrosenberg@uchicago.edu)

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