

CURRICULUM VITAE

Minwoo JB Kim

Cognitive Scientist

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RESEARCH INTEREST

Visual Attention, Emotion and Cognition Interaction, Cognitive Control, Cognitive Dysfunction, Motion Perception, Cognitive Approaches in Social Problems, Event-Related Potentials, Mouse Cursor Tracking, Bayesian Modelling

ACADEMIC APPOINTMENTS

Ulsan National Institute of Science and Technology	Ulsan, ROK
Post-doctoral Fellow, Department of Biomedical Engineering	2023 – Present
Seoul National University	Seoul, ROK
Post-doctoral Fellow, Department of Brain & Cognitive Sciences	2021 – 2023

EDUCATION

University of Delaware	Newark, DE
- Ph.D. Cognitive Psychology (Advisor: James E. Hoffman)	2016 - 2021
- Dissertation: Can emotionally salient singletons be suppressed?	
Korea University	Seoul, ROK
- M.S. in Cognitive Psychology (Advisor: Yang Seok Cho)	2010 - 2016
- Thesis: Emotional valence modulates speed of involuntary attentional capture, not arousal.	
Korea University	Seoul, ROK
- B.A. Psychology (Advanced Degree)	2005 - 2010

MISC.

<i>President of the Korean Graduate Student Association of University of Delaware</i>	2017-2019
<i>Military Service (ROK Air Force, First Lieutenant, Public Affairs)</i>	2012-2015

GRANTS & AWARDS

NRF Post-Doctoral Domestic Training Grant 180,000,000 KRW / 140,000 USD	2022 - 2023
- Cognitive Shielding: Investigation of Depression and Anxiety Related Deficits in Attention and Memory Functions, Their Measurement, and Preventative Digital Training.	
U of Delaware Doctoral Fellowship 4,000 USD	2020

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U of Delaware Graduate Office Travel Awards	500 USD	2017, 2018
U of Delaware Psychology Department Travel Awards	500 USD	2017, 2017, 2018, 2019
Korea U, BK 21 Graduate Student Research Proposal Competition	1 st Place	2010

PUBLICATION

Published * marks co-first authorship.

- Kwon, Y. **Kim, M. J. B.***, Kim, B., Kim, H. J., Sul, S., Chung, D., & Kwon, O. (2026). Understanding Social Polarization in the Era of Hyperconnected Media: Interactions Between Individual, Social Group, and Information Environment Factors. *Korean Journal of Psychology: General*, 45(3), 325-371, <https://doi.org/10.22257/kjp.2026.6.45.3.325>
- Kim, M. J.**, Lim, C. E., Rheem, H., Lee, N., & Cho, Y. S. (2025). Spatiotemporal dynamics of mouse tracking reveal general and selective control mechanisms of the congruency sequence effect in Simon tasks. *Cognition*, 264, 106259.
- Turner, W., Kwon, O. S., **Kim, M. J. B.**, & Hogendoorn, H. (2025). Rapid Reweighting of Sensory Inputs and Predictions in Visual Perception. *Neural Computation*, 37(10), 1853-1862.
- Aul C., **Kim, M. J. B.***, Stibolt, O., Lompado, A., Hoffman, J. E., (2025). The N400 component reflecting semantic and repetition priming of visual scenes is suppressed during the attentional blink. *Attention, Perception, & Psychophysics* 87(4), 1199-1218.
- Kim, M. J. B.**, (2024). Emotional capture of spatial attention is suppressed in high anxiety but at a non-spatial time cost. *Visual Cognition*, 32(2), 97-114.
- Park, S. E., Chung, J., Lee, J., **Kim, M. J. B.**, ... & Lee, S. A. (2024). Digital assessment of cognitive-affective biases related to mental health. *PLOS Digital Health*, 3(8), e0000595.
- Baker, A. L., **Kim, M.**, & Hoffman, J. E. (2021). Searching for emotional salience. *Cognition*, 214, 104730.
- Hoffman, J. E., **Kim, M.**, Taylor, M., & Holiday, K. (2020). Emotional capture during emotion-induced blindness is not automatic. *Cortex*, 122, 140-158.
- Kim, M.**, & Cho, Y. S. (2016). The modulating effect of emotional valence on the speed of involuntary attentional capture. *The Korean Journal of Cognitive and Biological Psychology*, 28(2), 285-308.
- Kim, M.**, Choi, J. S., Cho, Y. S. (2011). The Korea University Facial Expression Collection (KU FEC) and semantic differential ratings of emotion. *Korean Journal of Psychology: General*, 30(4), 1189-1211.

CONFERENCE PRESENTATIONS

Conference Talks

- Kim, M.**, & Kwon, O. (2026, Feb). *Attentional Load Reduces Motion Induced Position Shift* Talk session presented at the 2026 annual meeting of Korean Society for Cognitive and Biological Psychology, Seoul,

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Korea.

Kim, M., & Hoffman, J. E. (2022, Feb). *Can emotional singletons be suppressed?* Talk session presented at the 2022 annual meeting of Korean Society for Cognitive and Biological Psychology, Presented Online.

Kim, M., & Hoffman, J. E. (2021, Nov). *Can emotionally salient singletons be suppressed?* Talk session presented at the 29th annual meeting of OPAM, Presented Online.

Poster Presentations

Kim, M. J. B, Kwon, O., (2025, Feb). *Attentional Load Reduces Motion Induced Position Shift.* Poster session presented at the Annual Conference of Korean Society for Cognitive and Biological Psychology 2025, Gwangju, Republic of Korea.

Lee, N., **Kim, M. J., B.**, Cho, Y. S., (2024) *Diametrical Response layout in Mouse-Tracking Methods for Spatiotemporal Divergence of the Simon Effects.* Poster session presented at the 32nd annual meeting of OPAM, New York, NY.

Kim, M. J. B (2024, May). *Spatial Attention is Captured and Suppressed by Emotional Pictures in High Trait Anxiety.* Poster session presented at the conference of Vision Science Society, St. Pete's Beach, FL.

Kim, M. J. B, Kim, M. S., Song, H., Lee, S. A. (2023, Oct) *Emotional Sounds Modulate Cognitive Control While Driving.* Poster session presented at the Biannual Meeting of Korean Society of Human Brain Mapping (KHBM), Suwon, Republic of Korea.

Lee, J., Rheem, H., Cho, Y. S., **Kim, M.** (2022, Nov) *Time-Frequency Analyses of EEG for Investigating the Control of Simon Conflict in Mouse-Tracking.* Poster session presented at the 63rd Annual Meeting of Psychonomic Society, Boston, MA, U.S.

Lee, N., **Kim, M.,** & Cho, Y. S. (2022, Nov) *Different Patterns of the Delta Function in Mouse-Tracking Measures: The Location-, Arrow- and Word-Based Simon Tasks.* Poster session presented at the 63rd Annual Meeting of Psychonomic Society, Boston, MA, U.S.

Kim, M., Lobo, A., & Hoffman, J. E. (2019, Nov). *Without Physical Salience, Emotional Target Pictures Do Not Break Through the Attentional Blink.* Poster session presented at the 60th Annual Meeting of Psychonomic Society, Montreal, Quebec, Canada.

Kim, M., & Hoffman, J. E. (2018, Nov). *Non-salient emotional distractors still capture attention.* Poster session presented at the 59th Annual Meeting Psychonomic Society, New Orleans, LA.

Kim, M., & Hoffman, J. E. (2017, Nov). *Even with reduced physical salience, emotional pictures capture attention during multiple object tracking.* Poster session presented at the 25th annual conference of OPAM, Vancouver, BC, Canada.

Kim, M., Taylor, M., & Hoffman, J. E. (2017, May). *Emotional pictures automatically capture attention.*

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Poster session presented at the conference of Vision Science Society, St. Pete's Beach, FL.

Kim, J. S., Kim, J. Y., Lee, H. S., Choi, W. L., Fink., S., Leung, T., **Kim, M.**, & Cho, Y. S. (2016, Aug).

The Effects of Eye and Mouth Change in Processing Happy Face. Poster session presented at the Korean Psychological Association Annual Meeting 2016, Gunsan, Republic of Korea.

Kim, M., Rheem, H. & Cho, Y. S. (2016, Jan). *Speed of involuntary attentional capture is determined by valence of emotional distractors.* Poster session presented at the 53rd Annual Conference of Korean Society for Cognitive and Biological Psychology, Jeju Island, Republic of Korea.

Kim, M., Kim, B. Y. & Cho, Y. S. (2011, Nov). *The role of arousal in automatic attentional capture triggered by negative distractor words.* Poster session presented at the 19th annual conference of OPAM, Seattle, WA.

Kim, M., & Cho, Y. S. (2010, Nov). *Distractor-target similarity determines emotional information processing in RSVP.* Poster session presented at the 18th Annual Conference of OPAM, St. Louis, MO.

TEACHING EXPERIENCE

Teaching Assistant

- Cognitive Neuroscience (University of Delaware: Spring 2020, Fall 2020, Spring 2021)
- Cognition (University of Delaware: Fall 2019)
- Introduction to Psychology (University of Delaware: Spring 2017, Fall 2018, Spring 2019)
- Research Methods (University of Delaware: Spring 2018)
- Undergraduate Level Statistics (University of Delaware; Fall 2016; Fall 2017)
- Attention & Response Selection (Korea University: Spring 2010, 2011; Fall, 2015)

Guest Lecture

- Importance of programming in Psychology, Dept of Counseling Psychology, Cha University 21/11/18
- Introduction to Experimental Psychology, Dept of Psychology, Cal Poly Pomona University 25/09/04

Workshops

- Event-Related Potentials Workshop, Dept. of Brain & Cognitive Science, Seoul National Univ. 23/07/19

PROFESSIONAL AFFILIATIONS & ACADEMIC SERVICES

Membership

- Psychonomic Society
- Vision Science Society
- Korean Psychological Association

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- Korean Society for Cognitive and Biological Psychology

Ad-Hoc Reviews

- Korean Society for Cognitive and Biological Psychology
- Scientific Reports, Springer, Nature
- AI and Ethics, Springer, Nature
- Discover Psychology, Springer, Nature
- BMC Research Notes, Springer, Nature
- Cognition and Emotion, Taylor & Francis

RESEARCH SKILLS

- **Event-related potentials, Computer Mouse Tracking**
- **Python:** Experiment Design, Data analysis, Research app development etc.
- **Matlab:** Data analysis, EEG analysis etc.
- **MISC:** Online Experimentation (Pavlovian, Mturk, Prolific).
- **Languages:** Korean (Native), English (Fluent)