

Jinwoo Lee

Curriculum Vitae

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RESEARCH INTEREST

- **Theories** in affective science (e.g., construct of emotion, interoception, social alignment)
- **Methods** for affective science (e.g., representation geometry, dynamical systems, machine learning)
- **Applications** of affective science (e.g., mental health, aesthetics, robotics)

EDUCATION

- 2025- **Ph.D. in Experimental Psychology**
UC San Diego, California, United States
Advisor: Dr. Eshin Jolly
- 2022-2024 **M.S. in Brain and Cognitive Sciences**
Seoul National University, Seoul, South Korea
Advisor: Dr. Jiook Cha (Committee: Dr. Sang Ah Lee, Dr. Choong-Wan Woo)
- 2016-2022 **B.A. in Psychology (Double: Aesthetics), *Summa Cum Laude***
Seoul National University, Seoul, South Korea

AWARDS AND HONORS (SELECTED)

- Mar, 2026 Conference Travel Award, *Social and Affective Neuroscience Society (SANS)*
- Nov, 2024 Best Oral Presentation Award, *Korean Human Brain Mapping Society (KHBM)*
- Oct, 2024 Best Multimedia Art Award in Korea AI-Art Hackathon, *SNU Institute for Culture and Arts*
- Feb, 2023 Best Paper Award in SNU Research Program, *Seoul National University*
- Jul, 2022 Best Thesis Award in Department of Aesthetics, *Seoul National University*
- Feb, 2022 Best Social Sciences Research Award, *Seoul National University*
- Feb, 2022 Best Undergraduate Research Award, *Korea Brain & Cognitive Sciences Community*

SCHOLARSHIPS AND GRANTS (SELECTED)

- 2024-2025 Innovative Research Application Program for Virtual Reality (total \$14,500), *Seoul National University*
- 2022-2023 BrainKorea21 Excellent Researcher Fellowship (total \$5,500), *National Research Foundation of Korea*
- 2016-2022 Humanity 100 Years Undergraduate Scholarship (total \$12,500), *Korea Student Aid Foundation*

PUBLICATIONS

†corresponding author; *equally contributed

Journal Articles

- Choi, S.Y., **Lee, J.**, Park, J., Lee, E., Kim, B., Kim, G., Joo, Y.Y., Cha, J.† (2025). Individual differences in effects of stressful life events on childhood ADHD: genetic, neural, and familial contributions. *Journal of Child Psychology and Psychiatry*, 67(5), 788-800. ● ●
- Lee, J.**†, Han, D.D., Oh, S., Cha, J.† (2025). Awe is characterized as an ambivalent affect in the human behavior and cortex. *Communications Psychology*, 3(1), 123. ● ●

Lee, J.†, Choi, D., Eom, J., Kang, M. (2024). The twofold role of subjective fluency in displeasing but preferable visual artworks: self-report and eye-tracking analysis. *Empirical Studies of the Arts*, 43(2), 801-826. ● ●

Conference Proceedings

Kwon, J.*, Wang, H.*, Lee, J.*, Kim, S.*, Yoo, S., Lin, Y.†, & Cha, J.† (2025). Revisiting your memory: reconstruction of affect-contextualized memory via EEG-guided audiovisual generation. *ACM Multimedia 2025 Cognition-oriented Multimodal Affective and Empathetic Computing*. ● ●

Preprints

Lee, J.†, Oh, K., Kim, J., & Cha, J.† Slower cardiac-coupled cortical dynamics link depressive symptoms to inflexible affective updating. *under review*. ● ● ●

Pak, M., Lee, E., Kim, B., Kim, G., Lee, J., Joo, Y.Y., Posner, J. & Cha, J.† Individual differences in the intergenerational transmission of ADHD: the role of genetic and environmental factors. *under review*. ● ●

Lee, J., Lee, E., Kim, B., Kim, G., Joo, Y.Y., & Cha, J.† Stress vulnerability and resilience in children facing COVID-19-related discrimination. *medRxiv*. 2024-03. *unpublished manuscript*. ● ●

INVITED TALKS

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| Jul, 2026 | A general framework to discover and test hypotheses about individual differences. Lab Meeting for Human Affective Neuroscience Lab (PI: Dr. Justin Minue Kim), Sungkyunkwan University. |
| May, 2025 | Identifying neural representations with nonlinear dimensionality reduction. Institute of Psychological Sciences, Seoul National University. |
| Oct, 2024 | Contrastive learning to model latent neural space encoding affective valence. Lab Meeting for Functional Neuroanatomy of Metabolism Regulation Lab (PI: Dr. Hyung Jin Choi), Seoul National University. |
| Jul, 2023 | Causal machine learning for studying heterogeneous treatment effects. Institute of Psychological Sciences, Seoul National University. |

CONFERENCE ORAL TALKS

*presenter

- Lee, J.*, Jolly, E. (2026). Differentiable Idiosyncrasy Modeling (DIM): A general framework for discovering and testing hypotheses about individual differences. *The Social and Affective Neuroscience Society (SANS) 2026 Annual Meeting*. San Diego, United States.
- Kwon, J., Wang, H.*, Lee, J., Kim, S., Yoo, S., Lin, Y., & Cha, J. (2025). Revisiting your memory: reconstruction of affect-contextualized memory via EEG-guided audiovisual generation. *ACM Multimedia 2025 Workshop on Cognition-oriented Multimodal Affective and Empathetic Computing*. Dublin, Ireland.
- Lee, J.*, Han, D.D., Oh, S., & Cha, J. (2024). Awe is characterized as an ambivalent affect in the human behavior and cortex. *The Korean Human Brain Mapping (KHBM) 2024 Fall Meeting*. Seoul, South Korea.

CONFERENCE POSTER PRESENTATIONS (SELECTED)

*presenter

- Lee, J.*, Oh, K., Kim, J., & Cha, J. (2025). Trait depression predicts negatively biased encoding and retrieval of ambivalent movie: interoceptive and lexical analysis. *The Cognitive Computational Neuroscience (CCN) Annual Conference*. Amsterdam, Netherlands.

Lee, J.*, Han, D.D., Oh, S., & Cha, J. (2024). Awe is represented as an ambivalent affect in the human behavior and cortex. *The Organization of Human Brain Mapping Annual Meeting (OHBM) Annual Meeting*. Seoul, South Korea.

TEACHING

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| 2026 | TA, <i>Social Cognition</i> (w/ Dr. Piotr Winkielman), Department of Psychology, UC San Diego. |
| 2025 | Guest Lecture, <i>Data Science for Human Neuroimaging</i> (w/ Dr. Jiook Cha), Department of Psychology, Seoul National University |

MENTORING

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| 2026- | Serena Gao (Undergraduate RA student, UC San Diego) |
| 2025-2026 | Christian Lopez-Castro (Honor's thesis student, UC San Diego) |
| 2025 | Tae-Yang Lee (Undergraduate RA student, Seoul National University) |

AD-HOC REVIEWER

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| Journal | <i>Neuropsychologia</i> |
| Conference | <i>Cognitive Computational Neuroscience (CCN)</i> |