JIN KE

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EDUCATION & EMPLOYMENT

Yale University, New Haven, CT, USA — 2024 –
Ph.D. program in Psychology
Advisor: Marvin M. Chun, Ph.D.

University of Chicago, Chicago, IL, USA — 2022 – 2024
Research Specialist
Advisor: Monica D. Rosenberg, Ph.D.

M.A. in Social Sciences – Psychology — 2021 – 2022
Certificate in Computational Social Sciences
Advisor: Yuan Chang Leong, Ph.D.

Peking University, Beijing, China — 2017 – 2021
B.S., Psychology; B.S., Environmental Sciences
Advisor: Xin Zhang, Ph.D.

PEER-REVIEWED PUBLICATIONS

Corriveau, A., Ke, J., Terashima, H., Kondo, H. M., & Rosenberg, M. D. (2025). Functional brain networks predicting sustained attention are not specific to perceptual modality. *Network Neuroscience*, 1-23. [Article]

Ke, J., & Leong, Y. C. (2022). A Connectome-based Predictive Model of Affective Experience During Naturalistic Viewing. In *2022 Conference on Cognitive Computational Neuroscience* (pp. 422-424). [Article]

PREPRINTS & MANUSCRIPTS IN PREPARATION

Ke, J., Chamberlain, T.A., Corriveau, A., Song, H., Zhang, Z., Martinez, T., Sams, L., Leong, Y.C., Rosenberg, M.D. (*in prep*). Spontaneous thoughts reflect functional brain organization and behavior.

Ke, J., Madhogarhia, R., Chun, M.M., Rosenberg, M.D., Leong, Y.C., Song, H. (*in prep*). Shared impressions track shared neural responses during narrative comprehension.

Song, H., **Ke, J.**, Madhogarhia, R., Leong, Y. C., & Rosenberg, M. D. (2025). Cortical reinstatement of causally related events sparks narrative insights by updating neural representation patterns. *bioRxiv*, 2025-03. [Preprint]

Zhao, C., Corriveau, A., **Ke, J.**, Vogel, E. K., & Rosenberg, M. D. (2025). Sustained attention is more closely related to long-term memory than to attentional control. *bioRxiv*, 2025-03. [Preprint]

Park, J. S., Gollapudi, K., Ke, J., Nau, M., Pappas, I., & Leong, Y. C. (2025). Emotional arousal enhances narrative memories through functional integration of large-scale brain networks. *bioRxiv*, 2025-03. [Preprint]

Ke, J., Song, H., Bai, Z., Rosenberg, M. D., & Leong, Y. C. (2023). Dynamic functional connectivity encodes generalizable representations of emotional arousal across individuals and situational contexts. *bioRxiv*, 2023-11. [Preprint] [Code]

Ke, J., Vazquez-Olivieri, V., Grant, L., Keysar, B. (2022). Trust in uncertainty: The link between expectations of trustworthiness and information sharing in negotiation. *Master thesis, Univ of Chicago*.[Article]

CONFERENCE TALKS

Ke, J., Song, H., Bai, Z., Rosenberg, M.D., & Leong, Y.C. (2024). Generalizable neural representations of emotional arousal across individuals and situational contexts. Social Affective Neuroscience Society. Toronto, Canada.

Ke, J., Zhang, X. (2020). Relation orientation and ageism: A cross-cultural comparison between Chinese and Americans. 72nd Annual Meeting of Gerontological Society of America, virtual

CONFERENCE POSTER PRESENTATIONS

Ke, J., Madhogarhia, R., Chun, M.M., Rosenberg, M.D., Leong, Y.C., Song, H. Shared impressions track shared neural responses during narrative comprehension.
Social Affective Neuroscience Society, Chicago. (Apr. 2025).

Corriveau, A., **Ke, J.,** Rosenberg, M.D. Brain network dynamics capture fluctuations in attention during tasks and narratives.
Social Affective Neuroscience Society, Chicago. (Apr. 2025).

Bhattacharyya, K., **Ke, J.**, Leong, Y.C. Neural signatures of arousal generalize across subjective ratings during narrative viewing and pupil dilation at rest.
Social Affective Neuroscience Society, Chicago. (Apr. 2025).

Ke, J., Chamberlain, T.A., Corriveau, A., Song, H., Zhang, Martinez, T., Sams, L., Leong, Y.C., Rosenberg, M.D. The neural signatures of ongoing thoughts during rest.
Late-breaking abstract, Society for Neuroscience, Chicago (Oct. 2024)
Organization for Human Brain Mapping, Seoul, Korea (Jun. 2024)

Ke, J., Song, H., Bai, Z., Rosenberg, M.D., Leong, Y.C. Generalizable neural representations of emotional arousal across individuals and situational contexts.
Social Affective Neuroscience Society, Toronto, Canada (Apr. 2024).
Social Affective Neuroscience Society, Santa Barbara, CA. (Apr. 2023).
Conference on Cognitive Computational Neuroscience, San Francisco, CA. (Aug. 2022)

Song, H., **Ke, J.**, Madhogarhia, R., Leong, Y.C., Rosenberg, M.D. Neural mechanisms of insight during narrative comprehension.
Social Affective Neuroscience Society, Chicago. (Apr. 2025).
Nanosymposium talk, Society for Neuroscience, Chicago (Oct. 2024)
Organization for Human Brain Mapping, Seoul, Korea (Jun. 2024)

Park, J.S., **Ke, J.**, Gollapudi, K., Pappas, I., Leong, Y.C. Emotional arousal enhances narrative memories through functional integration of large-scale brain networks.
Nanosymposium talk, Society for Neuroscience, Chicago. (Oct. 2024)
Organization for Human Brain Mapping, Seoul, Korea. (Jun. 2024)
Cognitive Neuroscience Society, Toronto, Canada (Apr. 2024).

Corriveau, A., **Ke, J.**, Rosenberg, M.D. Shared neural activation and co-fluctuations underlie auditory and visual sustained attention.
Nanosymposium talk Society for Neuroscience, Chicago. (Oct. 2024)
Organization for Human Brain Mapping, Seoul, Korea (Jun. 2024)

Ke, J., Leong, Y.C. (2022). Affective experience predicts narrative engagement during naturalistic viewing. Social Affective Neuroscience Society 2022 Naturalistic fMRI Data Analysis Challenge (virtual).

INVITED TALKS

Functional Imaging & Naturalistic Neuroscience (FINN) lab meeting, Dartmouth College — May. 2025
The Rutledge lab meeting, Yale University — March. 2025
Cognition Workshop, University of Chicago — Apr. 2024

RESEARCH EXPERIENCE

Cognitive/Computational Human Neuroscience Lab, Yale University — 2024 –
Advisor: Marvin Chun, Ph.D.

Cognition Attention & Brain Lab, University of Chicago — 2022 –
Advisor: Monica D. Rosenberg, Ph.D.

Computational Affective and Social Neuroscience Lab, University of Chicago — 2021 –
Advisor: Yuan Chang Leong, Ph.D.

Multilingualism & Decision-making Lab, University of Chicago — 2021 – 2022
Advisor: Boaz Keysar, Ph.D.

Life-span Development Lab, Peking University — 2019 – 2021
Advisor: Xin Zhang, Ph.D.

College of Environmental Sciences and Engineering, Peking University — 2020 – 2021
Advisor: Ling Han, Ph.D.

Perception, Action & Cognition Lab, Brown University — 2020 – 2021
Advisor: Joo-Hyun Song, Ph.D.

AWARDS

Society for Neuroscience Meeting Travel Award ($400), Yale Wu Tsai Institute — 2024
Phoenix Research Award Scholarship ($ 20,000), University of Chicago — 2021
Beijing Principal's Research Grant (¥ 5,000), Peking University — 2020

SERVICE & OUTREACH

Graduate Interview Day Committee, Yale Department of Psychology — 2025
Booth at Society of Neuroscience 2024, Yale Wu Tsai Institute — 2024

RELEVANT EXPERIENCE

Co-reviewer, *Science Advances*, *Proceedings on Cognitive Computational Neuroscience (CCN)* — 2022
Research Intern, *Ape Counseling Online Education* — 2021

TECHNICAL SKILLS

Neuroimaging and Psychology: MRI operator certified (*N* scanned = 122), SR Research Eyelink 1000/Portable Duo eyetracker, BrainIAK, FSL, AFNI, PsychoPy, Qualtrics, FaceGen, Eprime, SPSS

General Programming: Python, MATLAB, PsychToolbox, R, bash, JsPsych, PyTorch, TensorFlow, HPC/Slurm