JIN KE

Department of Psychology, Yale University
100 College St
New Haven, CT, 06510

Email: jin.ke@yale.edu
Website: jinke828.github.io
Github: github.com/jinke828

EDUCATION & EMPLOYMENT

Yale University, New Haven, CT, USA   2024 –
  Ph.D., Psychology
  Advisor: Marvin 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.

PUBLICATIONS & MANUSCRIPTS IN PREPARATION

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

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

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

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

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

Ke, J., Song, H., Bai, Z., Rosenberg, M.D., Leong, Y.C. Dynamic functional connectivity encodes generalizable representations of emotional arousal across individuals and situational contexts. *bioRxiv.* (2024)

Corriveau, A., **Ke, J.**, Terashima, H., Kondo, H., Rosenberg, M.D. Functional brain networks predicting sustained attention are not specific to perceptual modality. *Network Neuroscience*, 1-23. (2024)

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

Ke, J., Leong, Y.C. A connectome-based predictive model of affective experience during naturalistic viewing. *Proceedings of the Conference on Cognitive Computational Neuroscience (CCN)*. (2022)

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).

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

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

RELEVANT EXPERIENCE

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

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