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**PROFESSIONAL APPOINTMENT**

- 2022-present Associate Professor,  
Department of Psychology,  
The University of Hong Kong, Hong Kong SAR, China
- 2016-2022 Assistant Professor,  
Department of Psychology,  
The University of Hong Kong, Hong Kong SAR, China
- 2014-2016 Post-Doctoral Fellow  
Department of Psychology, The University of Texas at Austin, Texas, USA

**EDUCATION**

- 2009-2014 Ph.D. in Brain, Behavior, and Cognition  
Department of Psychology, Northwestern University, Illinois, USA
- 2009-2011 M.S. in Brain, Behavior, and Cognition  
Department of Psychology, Northwestern University, Illinois, USA
- 2006-2009 M.Ed. in Developmental Psychology,  
Department of Psychology, Zhejiang Normal University, Zhejiang, China
- 2002-2006 B.S. in Psychology,  
Department of Psychology, Zhejiang University, Zhejiang, China

**HONORS, AWARDS AND FELLOWSHIPS**

- 2025 Sino-British Fellowship  
Visitorship to the University of Cambridge  
The University of Hong Kong
- 2022 Outstanding Young Researcher Award  
The University of Hong Kong

- 2022      Research Output Prize  
The University of Hong Kong
- 2021      APS Rising Star Award  
Association for Psychological Science (APS)
- 2013      APA Dissertation Research Award,  
American Psychological Association (APA)
- 2012      Chinese Government Award for Outstanding Self-financed Students Abroad,  
China Scholarship Council (CSC)

## PUBLICATIONS

### Bibliometrics

Total: >80 papers, (co)Corresponding/First-Authorship: >50 papers  
Citations: >4,000, *h*-index: 29, *h*-10 index: 60, Source: Google Scholar, March 2026.

underline denotes trainees, # denotes co-first author(s), \*denotes corresponding author(s).

### Journal Articles

Guo, S., Chen, D., Hu W., & **Hu, X.\*** (2026). Faster initial retrieval of misinformation corrections predicts better long-term memory: An ERP study. *Neuropsychologia*, 225, 109428, <https://doi.org/10.1016/j.neuropsychologia.2026.109428>

Xia, T.\*, Hu, CP, Türker, B., Musat, E.M., Naccache, L., Arnulf, I., Oudiette, D.\*, & **Hu, X.\*** (2026) How sleeping minds decide: State-specific reconfigurations of lexical decision-making. *PLOS Computational Biology* 22(2): e1014007. <https://doi.org/10.1371/journal.pcbi.1014007>

Xia, T.\* & **Hu, X.\*** (2026). Memory editing during sleep: mechanisms, clinical applications, and technological innovations. *Trends in Cognitive Sciences*, doi: 10.1016/j.tics.2025.07.010

Yue, W., Liu, J., Yao, Z., Zhang, Y., Mu, Z., & **Hu, X.\*** (2026). Retrospective duration judgments of naturalistic events depend on memories of event boundaries. *Psychonomic Bulletin & Review*. 33, 33. <https://doi.org/10.3758/s13423-025-02833-z>

Zheng, Y.#, Chen, D.#, **Hu, X.\***, Hsiao, J\*. (2026) The effect of mask use on cross-race face perception: a simultaneous EEG and eye-tracking study. *Cognitive Research: Principles and Implications*, 11, doi : 10.1186/s41235-026-00704-2

Guo, S., Chen, D., & **Hu, X.\*** (2025). Providing an alternative explanation improves misinformation rejection and alters event-related potentials during veracity judgements. *Brain and Cognition*. <https://doi.org/10.1016/j.bandc.2025.106290>

Guo, S., Swire-Thompson, B., & **Hu, X.**\* (2025). Specific media literacy tips decrease belief in AI-generated visual misinformation. *Cognitive Research: Principles and Implications*, 10, <https://doi.org/10.1186/s41235-025-00648-z>

Guo, S., Zhong, Y., & **Hu, X.**\* (2025). People are more susceptible to misinformation with realistic AI-synthesized images that provide strong evidence to headlines. *Harvard Kennedy School Misinformation Review*. <https://doi.org/10.37016/mr-2020-189>

**Hu, X.**\* & Zeng, S. (2025). How does the brain remember? Distinct pathways for voluntary and involuntary recall. *PLOS Biology*, <https://doi.org/10.1371/journal.pbio.3003328>

Liu, J.\*, Chen, D., Xia, T., Zeng, S., Xue, G., & **Hu, X.**\* (2025). Slow-wave sleep and REM sleep differentially contribute to memory representational transformation. *Communications Biology*, <https://doi.org/10.1101/2024.08.05.606592>

Mai, X., Song, B., Luo, M., Zhu, J., Jiang, X., Ma, X., Lin, F., **Hu, X.**, Peng, H. \*, Zhang, L. \*, & Wei, Y. \* (2025). AISleep: Automated and interpretable sleep staging from single-channel EEG data. *Patterns*.

Ping, A. A., Guan, L. Z., Wang, Y., Yang, S., Yang, C., **Hu, X. Q.**, ... & Li, X. L\*. (2025). A methodological guideline for consciousness assessment via neural electrophysiological activity. *Military Medical Research*, 12(1), 90.

Xie, H., Liang, J, Luo, Y, Chen, W, **Hu, X.**\* , & Zhang, D. \* (2025) Targeting the DLPFC to enhance memory control: Divergent effects on social and nonsocial memories. *Social Cognitive and Affective Neuroscience*, nsaf052, <https://doi.org/10.1093/scan/nsaf052>

Yao, Z., Tu, P., Wei, J., Zuo, X., & **Hu, X.**\* (2025). Modulating positive self-referential processing by 40 Hz tACS in individuals with subthreshold depression: A double-blind, sham-controlled study. *Journal of Psychiatric Disorders*, <https://doi.org/10.1016/j.jpsychires.2025.04.004>

Yao, Z., Wei, J., Huang, G., Li, L., Liang, Z., Zhang, L., Wu, H., Yuan, T., Zhang, Z. \*, & **Hu, X.**\* (2025). Right frontal gamma transcranial alternating current stimulation modulates optimism biases. *Neuroscience Bulletin*, 41, 172–176, <https://doi.org/10.1007/s12264-024-01307-x>

Zeng, S., Sit, H., Li, X., Bottary, R., Pace-Schott, E., Cunningham, T., Li, X. \*, **Hu, X.**\* (2025). Impaired emotional memory dissipation in insomnia disorder. *Psychological Medicine*. <https://doi.org/10.1017/S0033291725101566>

Zhao, H., Lin, X., Yuan, K., **Hu, X.**, Wang, X., Su, W., Wang, Q. \* & Lu, L. \* (2025) Updating social evaluation during sleep. *npj Science of Learning*, 10, 65. <https://doi.org/10.1038/s41539-025-00356-9>

Zheng, N., Zhang, X., Li, C., Cheung, F. T. W., **Hu, X.**, Zhang, J. \*, & Feng, H\*. (2025). Advances in artificial intelligence empowering early-stage human health: Current landscape and future directions. *The Innovation*, 101222.

Chen, D., Xia, T., Yao, Z., Zhang, L., & **Hu, X.**\* (2024). Modulating social learning-induced evaluation updating during human sleep. *npj Science of Learning*, 9, 43, <https://doi.org/10.1038/s41539-024-00255-5>

Chen, D., Yao, Z., Liu, J., Wu, H., & **Hu, X.**\* (2024). Social conformity updates the neural representation of facial attractiveness. *Communications Biology*, 7, 1369, <https://doi.org/10.1038/s42003-024-06791-5>

Gu, Y., Shan, J., Huang, T., Yu, C., Wu, H., **Hu, X.**, ... & Zhao, D. \* (2024). Exploring the interplay between addiction and time perception: A systematic review and meta-analysis. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 111104.

Lin, X., Chen, D., Liu, J., Yao, Z., Xie, H., Anderson, M. \*, & **Hu, X.**\* (2024). Observing the suppression of individual aversive memories from conscious awareness. *Cerebral Cortex*, 34(6), bhae080, <https://doi.org/10.1093/cercor/bhae080>

Varma, M. M. #, Zeng, S. #, Singh, L., Holmes, E. A., Huang, J., Chiu, M. H., & **Hu, X.**\* (2024). A systematic review and meta-analysis of experimental methods for modulating intrusive memories from lab-analogue trauma exposure in non-clinical population. *Nature Human Behaviour*, 8(10), 1968–1987, <https://doi.org/10.1038/s41562-024-01956-y>

Xia, T., Chen, D., Zeng, S., Yao, Z., Liu, J., Qin, S., Paller, K.A., Torres-Platas, S. G., Antony, J.W., & **Hu, X.**\* (2024) Aversive memories can be weakened during human sleep via the reactivation of positive interfering memories. *Proceedings of the National Academy of Sciences*, 121(31), e2400678121, <https://doi.org/10.1073/pnas.2400678121>

Yao, Z., Xia, T., Wei, J., Zhang, Z., Lin, X., Zhang, D., Qin, P., Ma, Y. \*, & **Hu, X.**\* (2024). Reactivating cued approached positive personality traits during sleep promotes positive self-referential processing. *iScience*.27(7), 110341. <https://doi.org/10.1016/j.isci.2024.110341>

Yi, W., Chen, W., Lan, B., Yan, L., **Hu, X.**, & Wu, J.\* (2024). A U-shaped relationship between chronic academic stress and the dynamics of reward processing. *NeuroImage*, 300, 120849.

Zheng Q., Huang, Y., Mu, C., **Hu, X.**\*, & Lai, C. S.W.\* (2024). Selective modulation of fear memory in non-rapid eye movement sleep. *Advanced Science*, <https://doi.org/10.1002/advs.202400662>

Liu, J., Xia, T., Chen, D., Yao, Z., Zhu, M., Antony, J. W., Lee, T.M.\* , & **Hu, X.**\* (2023). Item-specific neural representations during human sleep support long-term memory. *PLOS Biology*, 21(11): e3002399. doi:10.1371/journal.pbio.3002399

Schäfer, S., Lüder, C., Porcheret, K., **Hu, X.**, Margraf, J., Michael, T., ... Zeng, S., ... & Sopp, R. (2023). To sleep or not to sleep, that is the question: A systematic review and meta-analysis on the effect of post-trauma sleep on intrusive memories of analog trauma. *Behaviour Research and Therapy*, 104359.

Shan, J., Gu, Y., Zhang, J., **Hu, X.**, Wu, H., Yuan, T., & Zhao, D.\* (2023). A scoping review of physiological biomarkers in autism. *Frontiers in Neuroscience*, 17: 1269880. doi: 10.3389/fnins.2023.1269880

Jin, R., Xia, T., Gawronski, B., & **Hu, X.\*** (2023). Attitudinal effects of stimulus co-occurrence and stimulus relations: Sleep supports propositional learning via memory consolidation. *Social Psychological and Personality Science*, 14(1), 51-59. <https://doi.org/10.1177/19485506211067673>

Varma, M. M.#, Chen, D.#, Lin, X., Akin, L. B., & **Hu, X.\*** (2023). Prosocial behavior promotes positive emotion during the COVID-19 pandemic. *Emotion*, 23(2), 538-553. doi: 10.1037/emo0001077

Xia, T., Antony, J.W., Paller, K.A., & **Hu, X.\*** (2023). Targeted memory reactivation during sleep influences social bias as a function of slow-oscillation phase and delta power. *Psychophysiology*, 60(5), e14224. <https://doi.org/10.1111/psyp.14224>

Xia, T., Yao, Z., Guo, X., Liu, J., Chen, D., Liu, Q.\*, Paller, K.A., & **Hu, X.\*** (2023). Updating memories of unwanted emotions during human sleep. *Current Biology*, 33(2), 309-320. <https://doi.org/10.1016/j.cub.2022.12.004>

Xie, H., Lin, X., Hu, W., & **Hu, X.\*** (2023). Emotion regulation promotes forgetting of negative social feedback: Behavioral and EEG evidence. *Acta Psychologica Sinica 心理學報*, 55(6), 905-919. <https://journal.psych.ac.cn/xlxb/CN/10.3724/SP.J.1041.2023.00905> [in Chinese]

Yu, D. J., Recchia, F., Bernal, J. D., Yu, A. P., Fong, D. Y., Li, S. X., Chan, R. N., **Hu, X.** & Siu, P. M. (2023). Effectiveness of exercise, Cognitive Behavioral Therapy, and pharmacotherapy on improving sleep in adults with chronic insomnia: a systematic review and network Meta-analysis of randomized controlled trials. *Healthcare*(11), 2207. <https://doi.org/10.3390/healthcare11152207>

Zhang, H., Zhou, Q. Q., Chen, H., **Hu, X. Q.**, Li, W. G., Bai, Y., ... & Li, X. L.\* (2023). The applied principles of EEG analysis methods in neuroscience and clinical neurology. *Military Medical Research*, 10(1), 67. <https://doi.org/10.1186/s40779-023-00502-7>

Geng, H., Chen, J.\*, Hu, C., Jin, J., Chan, R., Li, Y., **Hu, X.**, Zhang, R. \*, & Zhang, L. (2022). Promoting computation psychiatry in China. *Nature Human Behavior*, 6, 615-617. <https://doi.org/10.1038/s41562-022-01328-4> (Comment)

Li, S.<sup>#</sup>, Xie, H.<sup>#</sup>, Zheng, Z., Chen, W., Xu, F., **Hu, X.**, & Zhang, D.\* (2022). The causal role of the bilateral ventrolateral prefrontal cortices on emotion regulation of social feedback. *Human Brain Mapping, 43*(9), 2898-2910. doi: 10.1002/hbm.25824

Ling, J.<sup>#</sup>, Lin, X.<sup>#</sup>, Li, X., Chan, N. Y., Zhang, J., Wing, Y. K., **Hu, X.**<sup>\*</sup>, Li, S. X.\* (2022) Neural response to rewards in youths with insomnia. *SLEEP, 45*(2), <https://doi.org/10.1093/sleep/zsab238>

Varma, M. M., & **Hu, X.**<sup>\*</sup> (2022) Prosocial behaviour reduces unwanted intrusions of experimental traumatic memories. *Behaviour Research and Therapy, 148*, 103998. <https://doi.org/10.1016/j.brat.2021.103998>

Xie, H., Mo, L., Li, S., Liang, J., **Hu, X.**<sup>\*</sup>, & Zhang, D.\* (2022) Aberrant social feedback processing and its impact on memory, social evaluation, and decision making among individuals with depressive symptoms. *Journal of Affective Disorder, 300*, 366-376. <https://doi.org/10.1016/j.jad.2022.01.020>

Yu, A. P., Chin, E. C., Yu, D. J., Fong, D. Y., Cheng, C. P., **Hu, X.**, Gao, W., & Siu, P. M.\* (2022). Tai Chi versus conventional exercise for improving cognitive function in older adults: a pilot randomized controlled trial. *Scientific Reports, 12*(1), 1-15. <https://doi.org/10.1038/s41598-022-12526-5>

Rigney, A.E., Schnyer, D.M., **Hu, X.**, & Beer, J. S.\* (2021). Mechanisms of a spotless self-image: Navigating negative, self-relevant feedback. *Self and Identity, 20*(8), 1057-1076. <https://doi.org/10.1080/15298868.2020.1806918>

Zeng, S.<sup>#</sup>, Lin, X.<sup>#</sup>, Wang, J., & **Hu, X.**<sup>\*</sup> (2021) Sleep's short-term memory preservation and long-term affect depotentiation effect in emotional memory consolidation: behavioral and EEG evidence. *SLEEP, 44*(11), zsab155, <https://doi.org/10.1093/sleep/zsab155>

Ling, J.<sup>#</sup>, Lin, X.<sup>#</sup>, Li, X., Chan, N. Y., Zhang, J., Wing, Y.K., **Hu, X.**<sup>\*</sup>, & Li, S. X.\* (2021) Altered brain activity related to inhibitory processing in youth with insomnia. *Journal of Sleep Research, 30*(6), <https://doi.org/10.1111/jsr.13398>

Zeng, S., Lau, E., Li, S. X., & **Hu, X.**<sup>\*</sup> (2021). Sleep differentially impacts involuntary intrusion and voluntary recognition of lab-analogue traumatic memories. *Journal of Sleep Research, 30*(3), e13208. <https://doi.org/10.1111/jsr.13208>

Xie, H., **Hu, X.**, Mo, L., & Zhang, D.\* (2021) Forgetting positive social feedback is difficult: ERP evidence from a directed forgetting paradigm. *Psychophysiology, 58*(5), e13790. <https://doi.org/10.1111/psyp.13790>

Yao, Z., Lin, X., & **Hu, X.**<sup>\*</sup> (2021) Optimistic amnesia: How online and offline processing shape belief updating and memory biases in immediate and long-term optimism biases. *Social Cognitive & Affective Neuroscience, 16*(5), 453-462. <https://doi.org/10.1093/scan/nsab011>

Dhammapeera, P., **Hu, X.**, & Bergstrom, Z. M.\* (2020). Imagining a false alibi impairs concealed memory detection with the autobiographical implicit association test. *Journal of Experimental Psychology, Applied*, 26(2), 266–282. <https://doi.org/10.1037/xap0000250>

**Hu, X.\***, Cheng, L. Y., Chiu, M. H., & Paller, K.A. (2020). Promoting memory consolidation during sleep: A meta-analysis of targeted memory reactivation. *Psychological Bulletin*, 146(3), 218-244. <https://doi.org/10.1037/bul0000223>

Xie, H., Chen, Y., Lin, Y., **Hu, X.\***, & Zhang, D.\* (2020). Can't Forget: Disruption of the right prefrontal cortex impairs voluntary forgetting in a recognition test, *Memory*, 28, 60-69, <https://doi.org/10.1080/09658211.2019.1681456>

Lucas, H.D.\*, Creery, J. D., **Hu, X.**, & Paller, K.A.\* (2019) Grappling with implicit social bias: A perspective from memory research. *Neuroscience*. <https://doi.org/10.1016/j.neuroscience.2019.01.037>

Yuan, J., **Hu, X.\***, Chen, J., Bodenhausen, G.V., & Fu, S.\* (2019). One of us? How facial and symbolic cues to own- versus other-race membership influence access to perceptual awareness. *Cognition* 184, 19-27. <https://doi.org/10.1016/j.cognition.2018.12.003>

Gawronski, B.\* , Rydell, R. J., De Houwer, J., Brannon, S. M., Ye, Y., Vervliet, B., & **Hu, X.** (2018). Contextualized attitude change. *Advances in Experimental Social Psychology*, 57, 1-52. <https://doi.org/10.1016/bs.aesp.2017.06.001>

Sai, L., Wu, H., **Hu, X.\***, & Fu, G.\* (2018). Telling a truth to deceive: Examining executive control and reward-related processes underlying interpersonal deception. *Brain and Cognition*, 125, 149-156. <https://doi.org/10.1016/j.bandc.2018.06.009>

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**Hu, X.\***, Gawronski, B., & Balas, R. (2017). Propositional versus dual-process accounts of evaluative conditioning: I. The effects of co-occurrence and relational information on implicit and explicit evaluations. *Personality and Social Psychology Bulletin*, 43, 17-32. doi: 10.1177/0146167216673351

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Yuan, J.#, **Hu, X.#**, Lu, Y., Bodenhausen, G. V., & Fu, S.\* (2017). Invisible own- and other-race faces presented under continuous flash suppression produce affective response biases. *Consciousness and Cognition*, 48, 273-282. <http://dx.doi.org/10.1016/j.concog.2016.12.012>

- Gawronski, B. \*, Balas, R., & **Hu, X.** (2016). What do I know about it versus how do I feel about it? A theoretical analysis of response processes in evaluative conditioning. *Social Cognition, 34*, 357-381. doi: 10.1521/soco.2016.34.5.357
- Lai, C. K. \*, Skinner, A. L., Cooley, E., Murrar, S., Brauer, M., Devos, T., Calanchini, J., Xiao, Y. J., Pedram, C., Marshburn, C. K., Simon, S., Blanchar, J. C., Joy-Gaba, J. A., Conway, J., Redford, L., Klein, R. A., Roussos, G., Schellhaas, F. M. H., Burns, M., **Hu, X.**, McLean, M. C., Axt, J. R., Asgari, S., Schmidt, K., Rubinstein, R., Marini, M., Rubichi, S., Shin, J. L., & Nosek, B. A. (2016). Reducing implicit racial preferences: II. Intervention effectiveness across time. *Journal of Experimental Psychology: General, 145*, 1001-1016. <http://dx.doi.org/10.1037/xge0000179>
- Sai, L., Lin, X., Rosenfeld, J. P., Sang, B., **Hu, X.** \*, & Fu, G. \* (2016). A novel, ERP-based concealed information test: Combining recognition- and feedback-evoked ERPs. *Biological Psychology, 114*, 13-22. doi:10.1016/j.biopsycho.2015.11.011.
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- Hu, X.** \*, Bergström, Z. M., Bodenhausen, G. V., & Rosenfeld, J. P. (2015). Suppressing unwanted autobiographical memories reduces their automatic influences: Evidence from electrophysiology and an implicit autobiographical memory test. *Psychological Science, 26*, 1098-1106. doi: 10.1177/0956797615575734.
- Hu, X.** #, Pornpattananangkul, N. #, & Nusslock, R. (2015). Executive control- and reward-related neural processes associated with the opportunity to engage in voluntary dishonest moral decision making. *Cognitive Affective & Behavioral Neuroscience, 15*, 475-491. doi: 10.3758/s13415-015-0336-9.
- Gawronski, B., **Hu, X.**, Rydell, R. J., Vervliet, B., & De Houwer, J. (2015). Generalization and contextualization in automatic evaluation revisited: A meta-analysis of successful and failed replications. *Journal of Experimental Psychology: General, 144*, e50-e64. <http://dx.doi.org/10.1037/xge0000079>.
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Dietrich, A. B., **Hu, X.**, & Rosenfeld, J. P. (2014). The effects of sweep numbers per average and protocol type on the accuracy of the P300-based concealed information test. *Applied Psychophysiology and Biofeedback*, *39*, 67-73. doi: 10.1007/s10484-014-9244-y.

Rosenfeld, J. P. \*, **Hu, X.**, Labkovsky, E., Meixner, J., & Winograd, M.R. (2013). Review of recent studies and issues regarding the P300-based complex trial protocol for detection of concealed information. *International Journal of Psychophysiology*, *90*, 118-134. doi: 10.1016/j.ijpsycho.2013.08.012.

**Hu, X.**, Pornpattananankul, N., & Rosenfeld, J.P. (2013). N200 and P300 as orthogonal and integrable indicators of distinct awareness and recognition processes in memory detection. *Psychophysiology*, *50*, 454-464. doi: 10.1111/psyp.12018.

Wu, H., Tang, P., Huang, X., **Hu, X.**, & Luo, Y. (2013). Differentiating electrophysiological response to decrease and increase negative emotion regulation. *Chinese Science Bulletin*, *58*, 1543-1550. <https://doi.org/10.1007/s11434-013-5746-x>

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**Hu, X.**, Chen, H., & Fu, G. (2012). A repeated lie becomes a truth? The effect of intentional control and training on deception. *Frontiers in Psychology*, *3*, 488. <https://doi.org/10.3389/fpsyg.2012.00488>

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**Hu, X.**, Fu, G., & Shi, Z. (2009). Mirror neuron system (MNS): Retrospect and prospect. *Advances in Psychological Science*, *17*, 118-125. [in Chinese]

**Hu, X.**, & Fu, G. (2009). Event-related potentials in deception detection: A review. *Chinese Journal of Clinical Psychology*, *17*, 194-196. [in Chinese]

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### Chaired Symposiums

**Hu, X.** & Schetchman, E. (2025, September). How sleep shapes memory dynamics from the lens of reactivation: New insights and Future directions. Symposium at The World Sleep 2025 Congress. Singapore.

**Hu, X.** (2025, September). Therapeutic innovations for sleep disorders: From mechanistic breakthroughs to clinical translations. Symposium at the Annual Meeting of Asian Society of Sleep Medicine, Singapore.

**Hu, X.** & Payne, J. (2025, March). Healing While Sleeping? How sleep shapes our emotional experiences. Symposium at The 32nd Annual Meeting of Cognitive Neuroscience Society, Boston, MA. USA.

### Conference/Symposium Talks

**Hu, X.** (2025, November). *Memory regulation across Sleep-Wake cycles*. **Keynote Talk** at the 26<sup>th</sup> National Academic Conference of Psychology, Jinan, China.

**Hu, X.** (2025, September). *Memory editing during sleep: Mechanisms, clinical implications and technological innovations*. Symposium Talk at the The World Sleep 2025 Congress. Singapore.

**Hu, X.** (2025, August). *Memory editing during sleep: Mechanisms, clinical implications and technological innovations*. Symposium Talk at the 3<sup>rd</sup> China-Japan-Korea Neuroscience conference, Incheon, South Korea.

**Hu, X.** (2025, May). *Memory editing during sleep*. Conference Talk at the REPLAY conference, Cardiff, UK.

**Hu, X.** (2025, March). *Memory editing during sleep*. Symposium Talk at the 32nd Annual Meeting of Cognitive Neuroscience Society, Boston, MA, USA.

Zuo, X., Lin, X., Yue, Y., Li, X., & **Hu, X.** (2024, September). *Compromised active forgetting in individuals with insomnia: Behavioural and EEG evidence*. Oral presentation at Sleep Europe 2024 (ESRS2024), Seville, Spain.

**Hu, X.** (2024, September). *Memory editing during human sleep*. Symposium Talk at the 16<sup>th</sup> Annual Meeting of Chinese Sleep Research Society, Wuhan, China.

**Hu, X.** (2024, September). *Memory editing during human sleep*. Symposium Talk at the 2024 International Conference of Physiological Sciences (ICPS2024), Qingdao, China.

Zeng, S., Sit, H-F., Bottary, R., Cunningham, T., Schott, E., Li, X. S., & **Hu, X.** (2024, June). *The temporal dynamics of emotional memory and reactivity in patients with insomnia disorder*. Oral presentation at 2024 SLEEP, Houston, TX, USA.

Liu, J., & **Hu, X.** (2023, April). *Sequentially reactivated memory representations during sleep support long-term associative memory*. Oral presentation at 2023 International Conference on Learning and Memory (LEARNMEM2023), Huntington Beach, CA, USA.

Xia, T., Yao, Z., Guo, X., Liu, J., Chen, D., Liu, Q., & **Hu, X.** (2022, November). *Affect updating of unwanted memories during human NREM sleep*. Oral presentation (Nano Symposium) at Neuroscience 2022, Annual Meeting of Society for Neuroscience, San Diego, CA, USA.

**Hu, X.** (2022, September). *Targeted memory reactivation during sleep: mechanisms and applications*. Symposium Talk at the 14<sup>th</sup> Annual Meeting of the Chinese Sleep Research Society, Chengdu, China. Virtual.

**Hu, X.** (2021, November). *Controlling unwanted memories*. Conference Talk at NSFC-RCG Young Scholar Forum. Hong Kong SAR, China.

**Hu, X.** (2021, November). *Intervention of emotion memory, sleep and psychiatric disorders*. Symposium Talk at the International Symposium on New Advances in Psychiatry, Beijing, China. Virtual

**Hu, X.**, & Lin, X. (2021, September). *Neurocognitive mechanism of emotional memory suppression*. Symposium Talk at the 20<sup>th</sup> World Congress of Psychophysiology, Chengdu, China. Virtual

**Hu, X.** (2021, May). *The impact of sleep vs. sleep deprivation on emotional memories*. Symposium Talk at the 3rd Congress of Asia Society of Sleep Medicine, Beijing, China. Virtual

Ling, J. Cheung, T.M.F., Sun, W., Yang, X., Wei, J., **Hu, X.**, & Li, X. (2019, September) *The role of REM sleep in the formation of emotional false memory – An experimental study using Deese-Roediger-McDermott (DRM) paradigm*. World Sleep 2019 Congress, Vancouver, Canada.

**Hu, X.**, Cheng, L., Chiu, M., & Paller, K. A. (2019, September). *Targeted memory reactivation: A meta-analysis*. The International Sleep Replay Workshop, Evanston, IL. USA.

**Hu, X.**, Cheng, L., Paller, K. A. (2018, March). *Biasing memory replay during sleep: A quantitative synthesis of Targeted Memory Reactivation effects*. The 25th Annual Meeting of Cognitive Neuroscience Society, Boston, MA. USA.

**Hu, X.** (2017, November). *Cognitive and motivational processes in deception*. The First Southeast Asia Regional Conference of Psychology, Hanoi, Vietnam.

Gawronski, B., **Hu, X.**, Rydell, R. J., Vervliet, B., & De Houwer, J. (2017, July). *Contextualized change of automatic evaluations: What we learned from our own file drawer*. The 18th General Meeting of the European Association of Social Psychology, Granada, Spain.

Rigney, A.E., Schnyer, D.M., **Hu, X.**, & Beer, J.S. (2017, January). *What you don't remember can hurt you: Unwanted and "forgotten" self-relevant memories elicit distinct ERP memory trace*. The 18th Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX, USA.

**Hu, X.**, Gawronski., & Balas, R. (2016, July). *The effectiveness of counterconditioning and instructions in changing implicit and explicit evaluations*. The European Association of Social Psychology, Cologne, Germany.

Bergström, Z. M., & **Hu, X.** (2016, July). *Retrieval control strategies for evading forensic memory detection*. The 6th International Conference on Memory, Budapest, Hungary.

**Hu, X.**, Gawronski, B., & Balas, R. (2016, June). *Associative and propositional processes in the formation and change of implicit and explicit evaluations*. The 42nd Society for Philosophy and Psychology, Austin, TX, USA.

**Hu, X.**, Antony, J. W., Creery, J. D., Vargas, I. M., Bodenhausen, G. V., & Paller, K. A. (2016, May). *Reactivating counter-bias training during slow-wave sleep reduces implicit social biases*. The 28th Annual Convention of Association for Psychological Science, Chicago, IL, USA.

**Hu, X.**, Gawronski, B., & Balas, R. (2015, June). *Associative and propositional processes in evaluative conditioning: Effects of relational information and reinforcement*. The Small Group Meeting on Associative and Propositional Learning, Warsaw, Poland.

**Hu, X.**, Bergström, Z. M., Bodenhausen, G. V., & Rosenfeld, J. P. (2015, May). *Suppressing unwanted autobiographical memories reduces their automatic influences: Evidence from*

*electrophysiology and an implicit autobiographical memory test.* The 27th Annual Convention of Association for Psychological Science, New York, NY, USA.

**Hu, X.,** Antony, J. W., Creery, J. D., Vargas, I. M., Bodenhausen, G. V., & Paller, K. A. (2015, February). *Unlearning implicit social biases during sleep.* The Social Cognition Preconference at the 16th Annual Meeting of the Society for Personality and Social Psychology, Long Beach, CA, USA.

**Hu, X.,** & Bodenhausen, G. V. (2014, May). *The effect of counter-prejudice training in implicit prejudice regulation.* Annual Meeting of the Midwestern Psychological Association, Chicago, IL, USA.

Nusslock, R., Young, C. B., Pornpattananangkul, N., **Hu, X.,** Parrish, T., & Reynolds, E. (2013, May). *Abnormalities in reward-related brain activity in subsyndromal bipolar disorder.* The 68th Annual Meeting of the Society of Biological Psychiatry, San Francisco, CA, USA.

Rosenfeld, J. P. **Hu, X.,** & Labkovsky, E. (2012, September). *Enhancements to the P300 complex trial concealed information test protocol.* The 16th World Congress of Psychophysiology, Pisa, Italy.

**Hu, X.,** Fu, G., Zhu, Y., Du, Y., & Ye, X. (2007, November). *Separating recognition and decision to lie: An updated paradigm in detecting concealed autobiographical information using event-related potentials.* The 11th National Academic Congress of Psychology, Kaifeng, China.

### Conference Posters

Di, T., Li, J., Gao, C., & **Hu, X.** (2026, March). *Sequence-level emotional context reactivation during sleep: driving positive memory learning across wakefulness and REM stages.* Poster presented at The 33rd Annual Meeting of Cognitive Neuroscience Society, Vancouver, BC, Canada.

Li, J., Di, T., & **Hu, X.** (2026, March). *Deciphering how respiration-brainwave coupling in human REM sleep supports emotional memory learning.* Poster presented at The 33rd Annual Meeting of Cognitive Neuroscience Society, Vancouver, BC, Canada.

Zuo, X., Xiao, Y., Liu, K., Sit, H., Li, S., & **Hu, X.** (2026, March). *Memory suppression training improves sleep qualities and mental health outcomes.* Poster presented at The 33rd Annual Meeting of Cognitive Neuroscience Society, Vancouver, BC, Canada.

Mu, S., Zeng, S., Chen, D., & **Hu, X.** (2026, March). *Distinct neural dynamics in emotional memory encoding between insomnia and healthy sleepers.* Poster presented at The 33rd Annual Meeting of Cognitive Neuroscience Society, Vancouver, BC, Canada.

Chen, D., Xia, T., & Hu, X. (2025, March). *The impact of targeted memory reactivation on counter-attitudinal learning*. Poster presented at The 32nd Annual Meeting of Cognitive Neuroscience Society, Boston, MA. USA.

Mu, Z., Liu, J., & Hu, X. (2025, March). *Event boundary-elicited neural activities correlate with recent and remote memory*. Poster presented at The 32nd Annual Meeting of Cognitive Neuroscience Society, Boston, MA. USA.

Yue, Y., Liu, J., & Hu, X. (2025, March). *How changes in mental replay speed impact retrospective duration judgments*. Poster presented at The 32nd Annual Meeting of Cognitive Neuroscience Society, Boston, MA. USA.

Chen, D., Xia, T., & Hu, X. (2024, September). *Modifying Evaluative Decision-Making During Human Sleep*. Poster presented at Sleep Europe 2024, Seville, Spain

Liu, J., & Hu, X. (2024, September). *Memory representational transformation during human overnight sleep*. Poster presented at Sleep Europe 2024, Seville, Spain

Jin, X., Zuo, X., Xia, T., & Hu, X. (2024, September). *Modulating Sleep Spindle via Closed-Loop Auditory Stimulation*. Poster presented at Sleep Europe 2024, Seville, Spain

Tsang, Y. C., Xia, T., & Hu, X. (2024, September). *The Temporal Proximity Effect of Sleep on Emotional Interference*. Poster presented at Sleep Europe 2024, Seville, Spain

Zhang, Y., & Hu, X. (2024, September). *Unveiling the role of sleep in the processing of trauma-analogue memories*. Poster presented at Sleep Europe 2024, Seville, Spain

Zuo, X., Lin, X., Yue, Y., Li, X., & Hu, X. (2024, September). *Compromised active forgetting in individuals with insomnia: Behavioural and EEG evidence*. Poster presented at Sleep Europe 2024, Seville, Spain

Chen, D., Yao, Z., & Hu, X. (2023, April). *N400 during social norms learning predicts delayed social conformity*. Poster presented at 2023 International Conference on Learning and Memory, Huntington Beach, CA, USA.

Xia, T., Chen, D., Zeng, S., & Hu, X. (2023, April). *Reactivating competing emotional memories during sleep differentially modulates consolidated unwanted memories and their affect responses*. Poster presented at 2023 International Conference on Learning and Memory, Huntington Beach, CA, USA.

Yao, Z., Xia, T., Lin, X., & Hu, X. (2023, April). *Reactivating positive personality traits during sleep impacts self-evaluative memories*. Poster presented at 2023 International Conference on Learning and Memory, Huntington Beach, CA, USA.

Yue, W. W. Y. & **Hu, X.** (2023, April). *Would we lose our memory of event duration when we have forgotten the event content?* Poster presented at 2023 International Conference on Learning and Memory, Huntington Beach, CA, USA.

Zhang, L., Xia, T., & **Hu, X.** (2023, April). *Endogenous and exogenous memory reactivation in human sleep.* Poster presented at 2023 International Conference on Learning and Memory, Huntington Beach, CA, USA.

Jin, R., Xia, T., Gawronski, B., & **Hu, X.** (2023, February). *Attitudinal effects of stimulus co-occurrence and stimulus relations: Sleep supports propositional learning via memory consolidation.* Poster accepted at the 2023 Annual Convention of the Society for Personality and Social Psychology, Atlanta, Georgia.

Chen, D., Yao, Z., & Hu, X. (2022, Nov). *N400 during social norms learning predicts delayed social conformity.* Poster presented at Neuroscience 2022, Annual Meeting of Society for Neuroscience, San Diego, CA, USA.

Liu, J., & Hu, X. (2022, Nov). *Pre-sleep testing weakens the targeted memory reactivation beneficial effect.* Poster presented at Neuroscience 2022, Annual Meeting of Society for Neuroscience, San Diego, CA, USA.

Xie, H., Lin, X., & **Hu, X.** (2022, Nov). *Can emotion regulation facilitate subsequent control of unwanted memories?* Poster presented at Neuroscience 2022, Annual Meeting of Society for Neuroscience, San Diego, CA, USA.

Zeng, S., Sit, H., Li, S. & **Hu, X.** (2022, Nov). *Examining emotional memory processing among insomnia patients.* Poster presented at Neuroscience 2022, Annual Meeting of Society for Neuroscience, San Diego, CA, USA.

Yao, Z., Wei, J., Huang, G., Li, L., Liang, Z., Zhang, Z., & **Hu, X.** (2022, Nov). *Frontal gamma but not alpha frequency band transcranial alternating current stimulation (tACS) modulates immediate and delayed optimism biases.* Poster presented at Neuroscience 2022, Annual Meeting of Society for Neuroscience, San Diego, CA, USA.

Guo, S., Chen, D. & **Hu, X.** (2022, Oct). *The Role of Familiarity and Memory Recollection in Decreasing the Continued Influence Effect of Misinformation: An Electrophysiological Investigation.* Poster presented at Society for Psychophysiological Research, Vancouver, BC, Canada.

Chen, D., Yao, Z., & **Hu, X.** (2022, May) *Is conformity public compliance or implicit acceptance? Evidence from EEG representation similarity analyses.* Poster presented at the 2022 Annual Meeting of Social and Affective Neuroscience Society, Virtual.

Varma, M. M., & **Hu, X.** (2021, February). *Prosocial behavior reduces unwanted intrusions of experimental traumatic memories.* Poster presented at the 2021 Annual Convention of Association for Psychological Science, Virtual.

Chen, D., Varma, M. M., Lin, X., Aknin, L.B., & Hu, X. (2021, February). *Prosocial behavior enhances positive affect during COVID-19*. Poster presented at the 2021 Society for Personality and Social Psychology Virtual Annual Convention, Online.

Varma, M. M., & Hu, X. (2021, February). *Prosocial behavior reduces unwanted intrusions of experimental traumatic memories*. Poster presented at the 2021 Society for Personality and Social Psychology Virtual Annual Convention, Online.

Jin, R., & Hu, X. (2020, February). *Training reduces implicit gender stereotype over 12 hours and 3 days, and sleep on it helps*. Poster presented at the 21st Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA. USA.

Yao, Z., & Hu, X. (2020, February). *Judgment and memory biases in valence dependent belief updating*. Poster presented at the 21st Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA. USA.

Xia, T., & Hu, X. (2019, June). *Theta and spindle oscillations are associated with social bias reduction during sleep*. Poster presented at the 2019 Annual meeting of Organization for Human Brain Mapping, Rome, Italy.

Yao, Z., & Hu, X. (2019, March). *Electrophysiological activity underlying optimism biases during belief updating*. Poster presented at the 26th Annual Meeting of Cognitive Neuroscience Society, San Francisco, CA. USA.

Lin, X., Yao, Z., & Hu, X. (2019, March) *Unravelling neurocognitive processes underlying the suppression of unwanted emotional memories*. Poster presented at the 26th Annual Meeting of Cognitive Neuroscience Society, San Francisco, CA. USA.

Zeng, S., Lin, X., & Hu, X. (2019, March) *Examining immediate and long-term effects of sleep vs. sleep deprivation on emotional memory: Behavioral and electrophysiological evidence*. Poster presented at the 26th Annual Meeting of Cognitive Neuroscience Society, San Francisco, CA. USA.

Hu, X., Cheng, L., & Paller, K.A. (2018, March). *Biasing memory replay during sleep: A quantitative synthesis of targeted memory reactivation effects*. Poster presented at the 25th Annual Meeting of Cognitive Neuroscience Society, Boston, MA. USA.

Fang, X., Rigney, A.E., & Hu, X. (2018, March). *Unraveling the temporal dynamics of self-enhancing memories*. Poster presented at the 19th Annual Meeting of the Society for Personality and Social Psychology, Atlanta, GA. USA.

Cheng, S., Fang, X., & Hu, X. (2018, March). *The effect of retrieval-induced forgetting in regulating distressful thoughts*. Poster presented at the 19th Annual Meeting of the Society for Personality and Social Psychology, Atlanta, GA. USA.

Sai, L., Wu, H., **Hu, X.**, & Fu, G. (2017, October). *Neurocognitive mechanisms underlying interpersonal deception*. Poster presented at 57th Annual Meeting of Society for Psychophysiological Research, Vienna, Austria.

Zhu, X., Sun, W., Ling, J., **Hu, X.**, & Li, S.X. (2017, October). *Thought control ability as mediator of the relationship between insomnia and depression and anxiety symptoms*. Poster presented at the Annual Meeting of World Association of Sleep Medicine, Prague, Czech.

**Hu, X.**, & Gawronski, B. (2017, January). *The effectiveness of counterconditioning and instructions in changing implicit and explicit evaluations*. Poster at the Social Cognition Preconference at the 18th Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX. USA.

Rigney, A.E., Schnyer, D.M., **Hu, X.**, & Beer, J.S. (2016, April). *What you don't remember can hurt you: Unwanted and "forgotten" self-relevant memories elicit distinct ERP memory trace*. Poster presented at the 9th Annual Meeting of the Social & Affective Neuroscience Society, New York City, NY. USA.

**Hu, X.**, & Gawronski, B. (2016, January). *The effectiveness of counterconditioning and instructions in changing implicit and explicit evaluations*. Poster at the 17th Annual Meeting of the Society for Personality and Social Psychology, San Diego, CA. USA.

**Hu, X.**, Yuan, J., Bodenhausen, G. V., & Fu, S. (2015, February). *Unconscious social categorization biases perceptual and evaluative processes*. Poster presented at 16th Annual Meeting of the Society for Personality and Social Psychology, Long Beach, CA. USA.

Pornpattananangkul, N., **Hu, X.**, & Nusslock, R. (2014, September). *Threat/reward sensitivity and hypomanic personality modulate cognitive-monitoring to incongruent affective stimuli*. Poster presented at the 28th Annual Meeting of the Society for Research in Psychopathology, Evanston, IL. USA.

**Hu, X.**, & Rosenfeld, J. P. (2014, September). *The effect of memory suppression in P300-based concealed information test*. Poster presented at 54th Annual Meeting of Society for Psychophysiological Research, Atlanta, GA. USA.

**Hu, X.**, Pornpattananangkul, N., & Nusslock, R. (2014, April). *Executive control- and reward-related processes in voluntary deception*. Poster presented at the 21st Annual Meeting of the Cognitive Neuroscience Society, Boston, MA. USA.

Nusslock, R., Pornpattananangkul, N., & **Hu, X.** (2014, March). *Behavioral inhibition sensitivity modulates emotion processing during inhibitory control*. Poster presented at the 33rd Annual Meeting of the Anxiety and Depression Association of America, Chicago, IL. USA.

**Hu, X.**, & Bodenhausen, G. V. (2014, February). *The effect of counter-evaluative and counter-stereotypical training in implicit prejudice regulation*. Poster presented at 15th Annual Meeting of the Society for Personality and Social Psychology, Austin, TX. USA.

Pornpattananangkul, N., **Hu, X.**, Reynolds, E., & Nusslock, R. (2013, April). *Behavioral activation, inhibition, and hypomanic personality moderate neurocognitive components during an emotional Go/Nogo task*. Poster presented at the 20th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. USA.

**Hu, X.**, Pornpattananangkul, N., Reynolds, E., & Nusslock, R. (2013, April). *Feedback-related negativity and reward sensitivity predict spontaneous cheating behavior*. Poster presented at the 6th Annual Meeting of the Social & Affective Neuroscience Society, San Francisco, CA. USA.

**Hu, X.**, Pornpattananangkul, N., Nusslock, R., & Bodenhausen, G. V. (2013, January). *Reward sensitivity and moral self-concept predict dishonest behavior*. Poster presented at 14th Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA. USA.

**Hu, X.**, & Rosenfeld, J. P. (2012, September). *Combining the P300-complex trial-based concealed information test and the reaction time-based autobiographical implicit association test in concealed memory detection*. Poster presented at 52nd Annual Meeting of Society for Psychophysiological Research, New Orleans, LA. USA.

**Hu, X.**, Chen, H., & Fu, G. (2011, September). *The practice effect on deception: Behavioral and electrophysiological evidence*. Poster presented at 51st Annual Meeting of Society for Psychophysiological Research, Boston, MA. USA.

**Hu, X.**, Hegeman, D., Landry, E., Rosenfeld, J. P., Winograd, M., Sokolovsky, A., & Labkovsky, E. (2010, October). *Reaction time and P300 and conducting four or six lumping countermeasures to eight irrelevant in the complex trial protocol*. Poster presented at 50th Annual Meeting of Society for Psychophysiological Research, Portland, OR. USA.

Labkovsky, E., Rosenfeld, J. P., & **Hu, X.** (2010, October). *Investigating the P900 component with 5-button complex trial protocol for detection of deception*. Poster presented at 50th Annual Meeting of Society for Psychophysiological Research, Portland, OR. USA.

**Hu, X.**, Fu, G., & Wu, H. (2009, October). *The N2 effect in truthful and deceptive responses to autobiographical information*. Poster presented at 49th Annual Meeting of Society for Psychophysiological Research, Berlin, Germany.

Wu, H., Fu, G., & **Hu, X.** (2009, October). *Effect of willingness on deceptive and honest responses in a two-stimulus paradigm: An ERP study*. Poster presented at 49th Annual Meeting of Society for Psychophysiological Research, Berlin, Germany.

**Hu, X.**, Fu, G., Luo, Y., & Shi, Z. (2008, November). *Understanding the neural underpinnings of autism spectrum disorder from its correlation with mirror neuron system*. Poster presented at the 2008 Asian-Pacific Conference of Mind Brain and Education, Nanjing, China.

**Hu, X.**, Zhu, Y., Wu, H., Fu, G., & Ding, X. (2007, December). *Contemporary trends in deception detection using polygraph, event-related potentials and functional magnetic resonance imaging*. Poster presented at the Zhejiang Conference of Psychology, Hangzhou, China.

Du, Y., Fu, G., Ye, X., Zhu, Y., & **Hu, X.** (2007, November). *Research on the validity of guilty movement test in lie detection*. Paper presented at the 11th National Academic Congress of Psychology, Kaifeng, China.

Shimada, Y., Ding, X., **Hu, X.**, Fu, G., & Itakura, S. (2006, July). *Adults' affinity with infant sound: Effect of long term experience and short term experience of sound*. Poster presented at the Biennial International Conference on Infant Studies, Kyoto, Japan.

## RESEARCH GRANTS

### Principal Investigator, On-going:

2023-2025 **Principal Investigator.** Employing emotion regulation to facilitate memory control. No. 17614922, HKD 1,019,442. General Research Fund, Hong Kong Research Grants Council.

2022-2027 **Principal Investigator.** Intervention research of insomnia based on mechanisms of maladaptive emotional memory processing. No. 2022ZD0214100, CNY 5,000,000. Ministry of Science and Technology of China.

2022-2025 **Principal Investigator.** Neurocognitive mechanisms of targeted memory reactivation during human sleep. No.32171056, CNY 590,000 (~708,883 HKD). General Program, National Natural Science Foundation of China.

### Principal Investigator, Completed

2020-2022 **Principal Investigator.** Modulating emotional memories during sleep. No.31922089, CNY 1,300,000 (~1,563,600 HKD). Excellent Young Scientists Fund (Hong Kong and Macau), National Natural Science Foundation of China.

2018-2021 **Principal Investigator.** Understanding mnemonic neglect in self-evaluation: a sleep-based memory consolidation perspective. No. 17601318, HKD 603,332. General Research Fund, Hong Kong Research Grants Council.

2018-2020 **Principal Investigator.** Training to control unwanted emotional memories: A longitudinal study. No. 31700953, CNY 290,000 (~ HKD 348,800). Young Scientists Fund, National Natural Science Foundation of China.

2018-2020 **Principal Investigator.** How memory control influences unwanted emotional memories' automatic expressions. No. 27610617, HKD 704,702. Early Career Scheme, Hong Kong Research Grants Council.

## INVITED TALKS

Nov 2025 Department of Psychology, York University, UK

Sept 2025 Department of Psychology, National University of Singapore, Singapore

May 2025 Institute of Cognitive Neuroscience, University College London, UK  
 Apr 2025 Cognitive Brain Mapping Group, Northwestern University, US  
 Apr 2025 Department of Psychology, University of Texas at Austin, US  
 Apr 2025 Harvard Medical School, US  
 Feb 2025 Department of Psychology, The Chinese University of Hong Kong, China.  
 Dec 2024 Center for Brain Sciences, RIKEN, Japan.  
 Nov 2024 Institute of Psychology, Chinese Academy of Science, China  
 Oct 2024 Fudan University, China  
 July 2024 Zhejiang Lab, China  
 May 2024 Department of Psychology, Hunan Normal University, China  
 Dec 2022 Department of Chinese and Bilingual Studies,  
 The Hong Kong Polytechnic University, China  
 Sept 2021 Medical Biodynamics Program,  
 Harvard Medical School, US (virtual)  
 Sept 2021 The Key Laboratory of Mental Health,  
 Chinese Academy of Science, China (virtual)  
 Dec 2019 IDG/McGovern Institute for Brain Research, Beijing Normal University, China  
 Dec 2019 IDG/McGovern Institute for Brain Research, Peking University, China  
 Nov 2019 Department of Biomedical Engineering, SUSTech, China  
 May 2019 School of Psychological Science, Hangzhou Normal University, China  
 Nov 2018 Department of Psychology, Kyoto University, Japan  
 Oct 2018 School of Psychological Science, South China Normal University, China  
 July 2018 Center for Brain and Cognition, Liaoning Normal University, China  
 Mar 2018 Department of Psychology, Hangzhou Normal University, China  
 Aug 2017 Institute of Psychology, Chinese Academy of Sciences, China  
 June 2017 Faculty of Psychology, Southwest University, China  
 Nov 2016 Department of Applied Social Sciences, City University of Hong Kong, China  
 Oct 2016 School of Life Science,  
 University of Electronic Science and Technology of China, China  
 Sep 2016 College of Psychology and Sociology, Shenzhen University, China  
 Aug 2016 Department of Rehabilitation Science, Hong Kong Polytechnic University, China  
 Apr 2016 Department of Psychology, The University of Hong Kong, China  
 Feb 2016 Department of Psychology, National University of Singapore, Singapore  
 Jan 2016 Institute of Psychology, Chinese Academy of Science, China  
 Dec 2015 Department of Psychology, University of New South Wales, Australia  
 Dec 2015 Department of Psychology, Notre Dame University, US  
 Oct 2015 Life Science Center, Peking University, China  
 Oct 2015 Department of Psychology, Peking University, China  
 July 2015 Department of Psychology, East China Normal University, China  
 July 2015 Department of Psychology, Beijing Normal University, China  
 July 2015 Department of Psychology, Peking University, China  
 June 2015 Institute of Psychology, Chinese Academy of Science,, China  
 June 2015 Department of Psychology, Tsinghua University, China  
 June 2015 Department of Psychology, Hangzhou Normal University, China  
 June 2015 Department of Psychology, Zhejiang Normal University, China  
 June 2015 Department of Psychology, Zhejiang University, China

June 2015 Department of Psychology, Zhejiang Sci & Tech University, China

## PROFESSIONAL AFFILIATIONS

Member, Association for Psychological Science (APS)  
 Member, Cognitive Neuroscience Society (CNS)  
 Member, Sleep Research Society (SRS)  
 Member, Society for Psychophysiological Research (SPR)  
 Member, Social and Affective Neuroscience Society (SANS)  
 Member, Society for Personality and Social Psychology (SPSP)

## SERVICE

Assistant Dean, Faculty of Social Sciences, Postgraduate Education, 2024-present  
 Panel Member, Faculty of Social Sciences, Faculty Research Advisory Panel,  
 2024-present  
 Panel Member, Faculty of Social Sciences, Curriculum Development Advisory Panel,  
 2023-present  
 Co-Leader, Faculty of Social Sciences,  
 Population Wellbeing & Human Behaviour Faculty Strategic Research Theme,  
 2024-present  
 Chair, Department of Psychology, Departmental Research Postgraduate Committee,  
 09/2024-12/2025.  
 Director, Master in Social Science (Psychology) Program, 07/2022-08/2024  
 Member, Department of Psychology, Departmental Research Postgraduate Committee,  
 09/2018- 08/2024 (Acting Chair, 01/2022- 08/2022)  
 Member, Department of Psychology, Research Ethics Committee, 07/2016-08/2018

## EDITORIAL SERVICE

### Editorial Board

2026-present *PLOS Biology*  
 2024- present *eLife*  
 2024- present *Fundamental Research*  
 2022- present *Communications Psychology*  
 2022- present *Chinese Journal of Applied Psychology* 應用心理學  
 2018- present *Acta Psychologica Sinica* 心理學報

### Ad Hoc Reviewer – Book Proposals

Cambridge University Press, Elsevier/Academic Press

### Ad Hoc Reviewer - Grant & Fellowship Proposals

A-STAR Singapore, Czech Science Foundation, National Natural Science Foundation of China Research Foundation – Flanders (FWO), Swiss National Science Foundation, United States National Science of Foundation

### **Ad Hoc Reviewer – Journal Articles**

*Nature Human Behaviour, Neuron, Nature Communications, Science Bulletin, Psychological Bulletin, PLOS Biology, Current Biology, Psychotherapy and Psychosomatics, Journal of Neuroscience, SLEEP, Neuroscience & Biobehavioral Review, among others.*

#### *Full list:*

*Advances in Psychological Science, Asian Journal of Social Psychology, Behavior Research Method, Biological Psychology, Brain Imaging and Behavior, Clinical Psychological Science, Clinical Psychology and Psychotherapy, Cognition, Cognitive, Affective, and Behavioral Neuroscience, Cognitive Neuropsychology, Communications Biology, Cerebral Cortex, Cortex, Current Directions in Psychological Science, Drug and Alcohol Dependence, European Journal of Social Psychology, Frontiers in Human Neuroscience, Frontiers in Behavioral Neuroscience, Frontiers in Psychology, Human Brain Mapping, iScience, International Journal of Psychophysiology, IEEE Transactions on Information Forensics and Security, Journal of Neuroscience, Media Psychology, Memory, Nature Communications, Nature Human Behavior, Neuron, NeuroImage, Neuroscience, Neuroscience & Biobehavioral Review, Neuroscience Bulletin, Journal of Applied Research in Memory and Cognition, Journal of Experimental Psychology General, Journal of Experimental Social Psychology, Journal of Personality and Social Psychology, Journal of Sleep Research, PLOS Biology, PLOS ONE, PsyCh Journal, Psychological Bulletin, Psychology & Marketing, Psychotherapy and Psychosomatics, Psychoneuroendocrinology, Psychophysiology, SLEEP, Sleep Medicine Reviews, Science Bulletin, Scientific Report, Social Cognitive & Affective Neuroscience, Social Neuroscience, Substance Abuse Treatment, Prevention and Policy*

### **TEACHING ACTIVITIES**

2026 Spring	Special topics in Neuroscience: Memory (200-level)
2025 Fall	Seminar in Social Psychology (Postgraduate Level)
2025 Fall	Social Psychology (Postgraduate Level)
2024 Fall	Seminar in Social Psychology (Postgraduate Level)
2024 Fall	Social Psychology (Postgraduate Level)
2024 Spring	Seminar in Cognitive Psychology (Postgraduate Level)
2023 Fall	Seminar in Social Psychology (Postgraduate Level)
2023 Fall	Social Psychology (Postgraduate level)
2022 Spring	Developmental Neuroscience (200-level)
2022 Fall	Seminar in Social Psychology (Postgraduate Level)
2022 Fall	Social Psychology (Postgraduate level)
2022 Spring	Developmental Neuroscience (200-level)
2021 Fall	Seminar in Social Psychology (Postgraduate Level)

2021 Fall Social Psychology (Postgraduate level)  
 2020 Fall Seminar in Social Psychology (Postgraduate Level)  
 2020 Fall Social Psychology (Postgraduate level)  
 2020 Fall Developmental Neuroscience (200-level)  
 2019 Fall Seminar in Social Psychology (Postgraduate Level)  
 2019 Fall Social Psychology (Postgraduate level)  
 2019 Spring Introduction to Psychology (100-level)  
 2019 Spring Seminar in Social Psychology (Postgraduate Level)  
 2018 Fall Social Psychology (Postgraduate level)  
 2018 Spring Advanced Social Psychology (300-level)  
 2018 Spring Seminar in Social Psychology (Postgraduate Level)  
 2017 Fall Social Psychology (Postgraduate Level)  
 2017 Spring Seminar in Social Psychology (Postgraduate Level)  
 2016 Fall Social Psychology (Postgraduate level)  
 2012 Fall Introduction to Neuroscience (200-level)

## SUPERVISION

### *Postdoctoral Fellows*

2025-present Dr. Danni Chen  
 2025-present Dr. Tianqi Di  
 2023-2025 Dr. Ziqing Yao  
 2022-present Dr. Qiyu Zheng (co-supervision with Prof. Cora Lai)  
 2022-present Dr. Tao Xia  
 2021-2022 Dr. Jing Liu (RGC Postdoctoral Fellow, now Associate Professor at South China Normal University)  
 2021-2022 Dr. Haiyang Geng (now Research Scientist at TCCI, Shanghai).

### *Graduate Students (Ph.D.)*

2025- present Chenyang Gao  
 2024- present Jiahui Li  
 2024- present Xibo Zuo  
 2023- present Zexuan Evokee Mu  
 2023- present Yuqi Zhang  
 2021- present Sean Shuyi Guo  
 2021- present Winny Yue  
 2019- 2025 Danni Chen  
 2019- 2023 Hui Xie (now Post-doc Fellow at South China Normal University)  
 2018- 2023 Shengzi Zeng (now Post-doc Fellow at Harvard Medical School)  
 2018- 2022 Tao Xia (now Post-doc Fellow at HKU)  
 2018- 2022 Xuanyi Lin (now Post-doc Fellow at Northwestern University)  
 2018- 2022 Qiyu Zheng (now Post-doc Fellow at HKU)  
 2018- 2022 Ziqing Yao (now Post-doc Fellow at HKU)

*Graduate Students (M.Phil.)*

2025- present Xiao Joy Han  
 2025- present Sen Mu  
 2022- 2024 Lingqi Zhang  
 2020- 2022 Yiwen Zhong (Ph.D. at Vanderbilt University)  
 2019- 2021 Mohith Verma (Ph.D. at Cambridge University)  
 2019- 2021 Rui Jin (Ph.D. at The University of Florida)

*Ph.D. Examination Committee-Internal*

2025 Letian LEI  
 2025 Hao Fong SIT  
 2024 Ran WANG  
 2023 Zaixuan ZHANG  
 2022 Yuen Yan TAM  
 2022 Seong Hah CHO  
 2021 Nianzeng ZHONG  
 2021 Mengxia GAO  
 2021 Jing Jun WONG  
 2020 Charlene Lok-man LAM  
 2020 Jiefan LING  
 2019 Tonglin JIANG  
 2019 Yui Han CHAN  
 2018 Ruibin ZHANG  
 2018 Wanqi SUN  
 2018 Miao CHENG  
 2017 Nichol Man Lok WONG

*Ph.D. Examination Committee-External*

2020 Shanshan ZHEN (National University of Singapore)

*Undergraduate Honor Thesis*

2023-24 Antonius Siu Kwan Tam, Eunice Man Hei Choi, Iva Yan Cheuk Tsang, Chi Lam Chan  
 2022-23 Zexuan Mu, Nicholas Wong, Yunke Chen  
 2021-22 Kei Fung, Kary Cheng, Xiaoru Teng, Lingqi Zhang  
 2020-21 Yuheng Shi, Lok Sum Chan  
 2019-20 Man Yan Claude Lam, Hong Ying Josephine Lo  
 2018-19 Pui Hay Claudia Chan, Ho Yu Hody Lee, Wing Shan Sammi Chung, Jie Li  
 2017-18 Sze Wing Christy Ho, Mohith Varma, Xilu Xiao, Shengzi, Zeng  
 2016-17 Lok In Serene Cheung, Xuanchang Fang, Minghui Ni, Yung Yuen Yee

**SUPERVISEE AWARDS: Research Postgraduate and Post-Doc Trainees**

- 2025 Jing Liu, APS Rising Star Award, Associations for Psychological Sciences.
- 2025 Yuqi Zhang, Outstanding Oral Presentation, Department of Psychology, HKU.
- 2024 Danni Chen, Dissertation Year Fellowship
- 2024 Shengzi Zeng, HKU Foundation Award for Outstanding Research Postgraduate Students.
- 2024 Sean Guo, Graduate Student Award, Cognitive Neuroscience Society.
- 2024 Tao Xia, Graduate Research Publication Award, Department of Psychology, HKU.
- 2023 Sean Guo, Best Poster Presenter Award, HKU Presidential Scholars Symposium.
- 2023 Shengzi Zeng, Graduate Research Publication Award, Department of Psychology, HKU.
- 2022 Danni Chen, Outstanding Presentation Award, National Ph.D. Research Symposium in Psychology, Sun Yat-Sen University, Guangzhou.
- 2022 Mohith Varma, HKU Foundation Award for Outstanding Research Postgraduate Students.
- 2021 Yiwen Zhong, Outstanding Poster Presentation Award, Department of Psychology, HKU.
- 2021 Xuanyi Lin, Outstanding Presentation Award, 21<sup>st</sup> Annual Research Postgraduate Conference, Faculty of Social Science, HKU.
- 2021 Mohith Varma, Student Diversity Registration Award, Association for Psychological Science.
- 2021 Danni Chen, International Registration Award, Society for Personality and Social Psychology.
- 2021 Mohith Varma, International Registration Award, Society for Personality and Social Psychology.
- 2020 Shengzi Zeng, First Runner-up Presentation Award, Postgraduate Conference on Biomedical Engineering and Brain Sciences, Guangdong.
- 2020 Xuanyi Lin, First Runner-up Presentation Award, Postgraduate Conference on Biomedical Engineering and Brain Sciences, Guangdong.
- 2020 Xuanyi Lin, Second Runner-up Presentation Award, Postgraduate Conference on Biomedical Engineering and Brain Sciences, Guangdong.
- 2020 Shengzi Zeng, Outstanding Presentation Award, 20<sup>th</sup> Annual Research Postgraduate Conference, Faculty of Social Science, HKU.
- 2020 Rui Jin, Graduate Student Travel Award, Society for Personality and Social Psychology.
- 2019 Xuanyi Lin, Outstanding Oral Presentation Award, Department of Psychology, HKU.
- 2019 Shengzi Zeng, Outstanding Poster Presentation Award, Department of Psychology, HKU.

### **SUPERVISEE AWARDS: Undergraduate**

- 2023 Siu Kwan Antonious Tam, Undergraduate Research Fellowship, HKU
- 2023 Man Hei Eunice Choi, Undergraduate Research Fellowship, HKU
- 2023 Michelle Pui Yan LEE, Laidlaw Scholar, HKU
- 2022 Nicholas Wong, Undergraduate Research Fellowship, HKU
- 2022 Yunke Chen, Undergraduate Research Fellowship, HKU
- 2021 Kei Fung, Undergraduate Research Fellowship, Internship Award, HKU
- 2021 Xiaoru Teng, Undergraduate Research Fellowship, HKU
- 2020 Wing Lam Yip, Laidlaw Scholar, HKU
- 2019 Hong Ying Josephine Lo, Laidlaw Scholar, HKU
- 2018 Jie Li, Laidlaw Scholar, HKU

### **MEDIA COVERAGE**

BBC, Chicago Tonight, Daily Mail, Discover Magazine, Daily Northwestern, Guokr, Korea Herald, LiveScience, Med India, Medical Express, Medical Daily, NBC News, NEON Magazine, NPR, New York Times, Science Daily, The British Psychological Society, The Conversation, The Guardian, Time of India, Yahoo! News, UPI, Women Health, and various other media outlets around the world including Argentina, Australia, China, Germany, Great Britain, Korea, India, Indonesia, Russia, Switzerland, U.S., Vietnam, etc.