

Yi Gao

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Education

University of Nevada, Reno

Ph.D. in Neuroscience (Advisor: [Dr. Fang Jiang](#)) Aug.2016 – Aug.2021

Institute of Psychology, Chinese Academy of Sciences

M.E., Cognitive Neuroscience (Advisor: [Dr. Min Bao](#)) Sep.2012 - Jul.2015

University of Jinan

B.S., Applied Psychology; B.A., English (minor) Sep.2008 - Jun.2012

Work experience

Georgia Institute of Technology

Research assistant with [Dr. Dobromir Rahnev](#) 2021.08 - Current

Peking University

Research assistant with [Dr. Lihan Chen](#) 2016.03 - 2016.07

Publications

Luo, X.*, Zhao D.*, **Gao, Y.***, Yang, Z., Wang, D., & Mei, G. Implicit weight bias: shared neural substrates for overweight and angry facial expressions revealed by cross-Adaptation (Under review by *Cerebral Cortex*). (*Co-first author)

Gao, Y., Xue, K., Odegaard, B., & Rahnev, D. (2023). Common computations in automatic cue combination and metacognitive confidence reports. *bioRxiv*, 2023-06. (Under review by *Nature Communications*)

Gao, Y., Pieller, J., Webster, M. A., & Jiang, F. (2022). Temporal dynamics of face adaptation. *Journal of Vision*, 22(11), 14-14.

Gao, Y., Webster, M. A., & Jiang, F. (2021). Changes of tuning but not dynamics of contrast adaptation with age. *Vision Research*, 187, 129-136, <https://doi.org/10.1016/j.visres.2021.03.015>.

Gao, Y., Miller, K. N., Rudd, M. E., Webster, M. A., & Jiang, F. (2021). Duration comparisons for vision and touch are dependent on presentation order and temporal context. *Frontiers in Integrative Neuroscience*. 15:664264.doi: 10.3389/fnint.2021.664264

Retter, T. L., **Gao, Y.**, Rossion, B., Jiang, F., & Webster, M. A. Diagnostic color immediately elicits selective neural responses to grayscale objects. *Brain Topography* (accepted).

Xiao, K., **Gao, Y.**, Imran, S.A. et al. (2021). Cross-modal motion aftereffects transfer between vision and touch in early deaf adults. *Scientific Reports*, 11, 4395 . <https://doi.org/10.1038/s41598-021-83960-0>

Gao, Y., Webster, M.A., Jiang, F. (2019). Dynamics of contrast adaptation in central and peripheral vision. *Journal of Vision*. 19(6):23, 1-13.

Dong, X.*, **Gao, Y.***, Lv, L., & Bao, M. (2016). Habituation of visual adaptation. *Scientific Reports*, 6, 19152. (*Co-first author)

Manuscripts in preparation

Gao, Y., Crognale, M., Miller, K. N., Webster, M.A., & Jiang, F. Interocular transfer of the Flashed Face Distortion Effect.

Gao, Y., Chen S. X., & Rahnev, D. Competition between sensory and decisional biases in perceptual decision making.

Gao, Y., Wang, M. Z., & Rahnev, D. An objective method of quantifying face distortion.

Michel, M., **Gao, Y.**, Mazor, M., & Rahnev, D. When visual metacognition fails: Widespread lack of awareness for visual deficits.

Conference presentations

Gao, Y., Chen S. X., & Rahnev, D. Competition between sensory and decisional biases in perceptual decision making. 2023 Annual Meeting of Vision Sciences Society. [Poster]

Gao, Y., Crognale, M., Jiang, F., & Webster, M.A. Interocular transfer of Flashed Face Distortion Effect. 2021 Annual Meeting of Vision Sciences Society. [Poster]

Miller, K., **Gao, Y.**, Pieller, J., Webster, M.A. & Jiang, F. The Effects of temporal rates on Flashed Face Distortion Effect and facial expression recognition. 2021 Annual Meeting of Vision Sciences Society. [Poster]

Gao, Y., Jiang, F., & Webster, M. A. (May, 2019). Eccentricity-dependent differences in cross-orientation adaptation. 2019 Annual Meeting of Vision Sciences Society: St. Pete Beach, FL. [Poster]

Gao, Y., Webster, M. A., & Jiang, F. (September, 2018). Effects of Event Number and Adaptation Duration on Tilt and Motion Aftereffect in central and peripheral vision. The Optical Society Fall Vision Meeting: Reno, NV. [Poster]

Gao, Y., Webster, M. A., & Jiang, F. (May, 2018). Dynamics of contrast adaptation in central and peripheral vision. 2018 Annual Meeting of Vision Sciences Society: St. Pete Beach, FL. [Poster]

Gao, Y., Xiao, K., Imran, S. A., Chowdhury, S., Commuri S., & Jiang, F. (March, 2018). Cross-modal Motion Aftereffects in Deaf and Hearing Participants. Research & Innovation Grantee Showcase: Reno, NV. [Poster]

Gao, Y., Webster, M. A., & Jiang, F. (May 12, 2017). Individual and age-related differences of visual adaptation across different stimulus dimensions. Cognitive and Neuroscience Spring Conference: University of Nevada, Reno. [Talk]

Academic Service

Reviewed for *Scientific Reports*, *Frontiers in Psychology*, *i-Perception*, *Perception*

Teaching Experience

Research Methods in Psychology, instructor	2021
PSY 499 – Advanced Special Topics, teaching assistant	2018
PSY 405 – Perception, teaching assistant	2017, 2019, 2020
PSY 416 – Cognitive Psychology, teaching assistant	2016
PSY 105 – Introduction to Neuroscience, teaching assistant	2016, 2017, 2018

Undergraduate Mentor

Alicia Gant, for Nevada Undergraduate Research Award project

Jarod Pieller, for Nevada Undergraduate Research Award project

Elijah Taylor, Qier Meng, Kamilla Miller

Awards

Robert L. Solso Research Award by University of Nevada, Reno 2021