CURRICULUM VITAE

Xilin Zhang

ADDRESS

Rm. 428, School of Psychology, South China Normal University,

No. 55 West zhongshan Avenue, Tianhe District, Guangzhou, Guangdong, 510631, China

Phone: (+86) 186-8283-9781

Email: xlzhang@m.scnu.edu.cn

EDUCATION

- 03/2018 - present **Professor** (School of Psychology, SCNU, Guangzhou, Guangdong)
- 10/2014- 02/2018 **PostDoc** (NIMH/NIH, Bethesda, USA)

  Prof. Leslie G. Ungerleider
- 09/2009 – 07/2014 **Ph.D.** (Department of Psychology, Peking University, Beijing)

  Prof. Fang Fang
- 09/2005 – 07/2009 **B.Sc.** (Faculty of Psychology, Southwest University, Chongqing)

AWARDS AND HONORS

- Chinese Neuroscience Socisty (CNS) GSK Rising Star 2012
- The Association for Psychological Science (APS) Rising Stars 2019

EDITORIAL POSITIONS

- Reviewing Editor: eLife
- Associate Editors: Frontiers in Neuroimaging (cognitive neuroscience section)
- Editors: Advances in Psychological Science (Chinese)

- Editors: Psychological Science (Chinese)

PUBLICATIONS (*Corresponding Author)

1. Shen, S.#, Sun, Y.#, Lu, J.#, Li, C.#, Chen, Q., Mo, C., Fang, F., and **Zhang, X***. (2024). Profiles of visual perceptual learning in feature space. *iScience* 27, 109128 (# Co-first author).
2. Huang L.#, Wang, J.#, He, Q., Li, C., Sun, Y., Seger, C. A., and **Zhang X***.(2023).A source for category-induced global effects of feature-based attention in human prefrontal cortex. *Cell Reports* (# Co-first author).
3. Huang L.*#, Chen Y.#, Shen S.#, Ye H., Ou S., and **Zhang X*.** (2022). Awareness-independent gradual spread of object-based attention. *Current Psychology* 1-13 (# Co-first author)
4. Li, Y., Luo, M., **Zhang, X.**, and Wang, S*. (2022). Effects of exogenous and endogenous cues on attentional orienting in deaf adults. *Frontiers in Psychology* 6317.
5. Wang, L., Huang, L., Li, M., Wang, X., Wang, S., Lin, Y., and **Zhang, X***. (2022). An awareness-dependent mapping of saliency in the human visual system. *NeuroImage* 247, 118864.
6. Wang, S., Huang, L., Chen, Q., Wang, J., Xu, S., and **Zhang, X*.** (2021). Awareness-dependent normalization framework of visual bottom-up attention. *Journal of Neuroscience* 41(46), 9593–9607.
7. Liu, N*., Zhang, H., **Zhang, X.**, Yang, J., Weng, X., and Chen, L. (2021). In Memory of Leslie G. Ungerleider. *Neuroscience Bulletin*, 592–595.
8. Huang, L., Wang, L., Shen, W., Li, M., Wang, S., Wang, X., Ungerleider, L.G. and **Zhang, X*.** (2020). A source for awareness-dependent figure–ground segregation in human prefrontal cortex. *Proceedings of the National Academy of Sciences of the United States of America* 117, 30836–30847.
9. Han, J., Wu, X., Wu, H., Wang, D., She, X., Xie, M., Zhang, F., Zhang, D., **Zhang, X***. and Qin, P**.** (2020) Eye-Opening Alters the Interaction Between the Salience Network and the Default-Mode Network. *Neuroscience Bulletin*, 1-5.

10. Huang L#., Li M#., Wang L#., and **Zhang X*.** (2019) Neural mechanisms of visual selective attention. *Acta Physiol Sin* 71 (1): 11–21. (# Co-first author)
11. **Zhang X*.**, Mlynaryk N., Ahmed S., Japee S., and Ungerleider L.G. (2018). The role of inferior frontal junction in controlling the spatially global effect of feature-based attention in human visual areas. *PLoS Biology* 16(6), e2005399.
12. **Zhang X*.**, Mlynaryk N., Japee S., and Ungerleider L.G. (2017) Attentional selection of multiple objects in the human visual system. *NeuroImage* 163, 231–243.
13. **Zhang X*.** and Fang F. (2017) Neural Mechanisms of Bottom-up Attention. *Chinese Journal of Applied Psychology* 23(2), 99–109.
14. **Zhang X*.**, Japee S., Safiullah Z., Mlynaryk N., and Ungerleider L.G. (2016) A normalization framework for emotional attention. *PLoS Biology* 14(11), e1002578.
15. Chen C., **Zhang X.**, Wang Y., Zhou T., and Fang F*. (2016) Neural representation of the bottom-up saliency map of natural scenes in human primary visual cortex. *Experimental Brain Research* 234, 1769–1780.
16. Zhang Y., **Zhang X.**, Wang Y., and Fang F*. (2016) Misbinding of color and motion in human early visual cortex: Evidence from event-related potentials. *Vision Research* 22, 51–59.
17. **Zhang X.**, Qiu J., Zhang Y., Han S., and Fang F*. (2014) Misbinding of color and motion in human visual cortex. *Current Biology* 24(12), 1354–1360.
18. Chen J., He Y., Zhu Z., Zhou T., Peng Y., **Zhang X.**, and Fang F*. (2014) Attention-dependent early cortical suppression contributes to crowding. *Journal of Neuroscience* 34(32), 10465–10474.
19. Chen C., **Zhang X.**, Wang Y., and Fang F*. (2013) Measuring the attentional effect of the bottom-up saliency map of natural images. In J. Yang, F. Fang, and C. Sun (Eds): IScIDE 2012, Lecture Notes in Computer Science (LNCS) 7751, pp. 539-548, Springer-Verlag Berlin Heidelberg.
20. **Zhang X.**, and Fang F*. (2012) Object-based attention guided by an invisible object. *Experimental Brain Research* 223(3), 397–404.
21. **Zhang X.**, Zhaoping L., Zhou T., and Fang F*. (2012) Neural activities in V1 create a bottom-up saliency map. *Neuron* 73(1), 183–192.

GRANT

- **The effect of emotion on visual selective attention and its neural mechnisms**

  National Natural Science Foundation of China, General Project, 31871135

  PI, ￥600,000; 2019

- **Neural mechnisams of attention and awareness**

  National Outstanding Youth Science Fund Project of National Natural Science Foundation of China, 32022032

  PI, ￥1,200,000; 2020

- **The normalization computational mechanisms of visual perception, memory, and attention**

  National Natural Science Foundation of China, General Project, 32271099

  PI, ￥540,000; 2023