

Juan Chen: Curriculum Vitae

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School of Psychology

South China Normal University, Guangzhou, China

Email: juanchen@m.scnu.edu.cn

Education

- August 2013 Summer school in Computational Sensory-Motor Neuroscience (CoSMo 2013)
- September 2007 – July 2012 PhD in Psychology, Department of Psychology, Peking University (Advisor, Dr. Fang Fang)
- September 2003 – July 2007 BSc (Honors) in Mathematics, School of Mathematics, Beijing Normal University

Work Experience

- September 2018- Current Full Professor at School of Psychology, South China Normal University, Guangzhou, China
- January 2019- February 2019, Visiting Scholar, School of Optometry and Vision Science, University of Waterloo, Canada
- June 2019- August 2019, Visiting Scholar, Movement Disorders Research and Rehabilitation Centre, Wilfrid Laurier University, Canada
- September 2012 - August 2018 Postdoctoral research fellow/Associate at the Brain and Mind Institute, University of Western Ontario (co-supervised by Dr. Melvyn A. Goodale and Dr. Jody C. Culham)

Awards and Honors

- July 2012 Outstanding Graduates Award, Peking University
- 2011-2012 President's Scholarship, Peking University
- 2010-2011 President's Scholarship, Peking University
- 2010-2011 Early Researcher Award, the Ministry of Education, China
- 2009-2010 President's Scholarship, Peking University

Research Interests

Human Action and Perception system, Multisensory integration

Professional Skills

- Psychophysics, Kinematics, EEG, MRI, Eye movement monitoring

Peer-reviewed journal articles

1. **Chen, J.**, Liu, B., Chen, B., & Fang, F. (2009). Time course of amodal completion in face perception. *Vision research*, 49(7), 752-758.
2. Bi, T., Su, J., **Chen, J.**, & Fang, F. (2009). The role of gaze direction in face viewpoint aftereffect. *Vision research*, 49(18), 2322-2327.
3. **Chen, J.***, Yang, H.*, Wang, A., & Fang, F. (2010). Perceptual consequences of face

- viewpoint adaptation: Face viewpoint aftereffect, changes of differential sensitivity to face view, and their relationship. *Journal of Vision*, 10(3), 12-12. (*co-first author)
4. **Chen, J.**, Zhou, T., Yang, H., & Fang, F. (2010). Cortical dynamics underlying face completion in human visual system. *The Journal of Neuroscience*, 30(49), 16692-16698.
 5. Yang, H., Shen, J., **Chen, J.**, & Fang, F. (2011). Face adaptation improves gender discrimination. *Vision research*, 51(1), 105-110.
 6. Bi, T.*, **Chen, J.***, Zhou, T., He, Y., & Fang, F. (2014). Function and structure of human left fusiform cortex are closely associated with perceptual learning of faces. *Current Biology*, 24(2), 222-227. (*co-first author)
 7. **Chen, J.**, He, Y., Zhu, Z., Zhou, T., Peng, Y., Zhang, X., & Fang, F. (2014). Attention-dependent early cortical suppression contributes to crowding. *The Journal of Neuroscience*, 34(32), 10465-10474.
 8. **Chen, J.**, Sperandio, I., & Goodale, M. A. (2015). Differences in the effects of crowding on size perception and grip scaling in densely cluttered 3-d scenes. *Psychological science*, 26(1), 58-69. (Co-corresponding author)
 9. **Chen, J.**, Jayawardena, S., & Goodale, M. A. (2015). The effects of shape crowding on grasping. *Journal of vision*, 15(3), 6-6. (Corresponding author)
 10. **Chen, J.**, Yu, Q., Zhu, Z., Peng, Y., & Fang, F. (2016). Spatial summation revealed in the earliest visual evoked component C1 and the effect of attention on its linearity. *Journal of neurophysiology*, 115(1), 500-509.
 11. Mundinano, I.-C., **Chen, J.**, de Souza, M., Sarossy, M. G., Joanisse, M. F., Goodale, M. A., & Bourne, J. A. (2017). More than blindsight: Case report of a child with extraordinary visual capacity following perinatal bilateral occipital lobe injury. *Neuropsychologia*. doi:<https://doi.org/10.1016/j.neuropsychologia.2017.11.017>
 12. **Chen, J.**, Snow, J. C., Culham, J. C., & Goodale, M. A. (2018). What Role Does “Elongation” Play in “Tool-Specific” Activation and Connectivity in the Dorsal and Ventral Visual Streams? *Cerebral Cortex*, 28(4), 1117-1131. doi:10.1093/cercor/bhx017 (Corresponding author)
 13. Freud, E., Macdonald, S. N., **Chen, J.**, Quinlan, D. J., Goodale, M. A., & Culham, J. C. (2018). Getting a grip on reality: Grasping movements directed to real objects and images rely on dissociable neural representations. *Cortex*, 98, 34-48. doi:10.1016/j.cortex.2017.02.020
 14. **Chen, J.**, Sperandio, I., & Goodale, M. A. (2018). Proprioceptive Distance Cues Restore Perfect Size Constancy in Grasping, but Not Perception, When Vision Is Limited. *Current Biology*, 28, 1-6. doi:10.1016/j.cub.2018.01.076 (co-Corresponding author)
 15. **Chen, J.**, Sperandio, I., Molly, H., & Goodale, M. A. (in press). Changing the real viewing distance reveals the temporal evolution of size constancy in visual cortex. *Current Biology* (co-Corresponding author)
 16. Chen, X., **Chen, J.**, Cheng, G., & Gong, T. (2020). Topics and trends in artificial intelligence assisted human brain research. *PLOS ONE*, 15(4), e0231192.
 17. Zhang, X., Li, H., Xie, T., Liu, Y., **Chen, J.**, & Long, J. (2020). Movement speed effects on beta-band oscillations in sensorimotor cortex during voluntary activity. *Journal of Neurophysiology*, 124(2), 352-359.
 18. Gao, J., Ko, A., Yabe, Y., Goodale, M. A., & **Chen, J#**. (2020). Pupil size is modulated

by the size of equal-luminance gratings. *Journal of Vision*, 20(8), 4-4.

19. Sun C, **Chen J**, Chen Y, Tang R. The Influence of Induced Emotions on Distance and Size Perception and on the Grip Scaling During Grasping. *Front Psychol* 12, (2021).

Articles in Preparation

Chen, J*, Paciocco, J*.,, & Culham, J.C. The neural mechanisms of real tool use and pantomimed tool use. (corresponding author and co-first author)

Chen, J., Anthony Li., & Culham, J.C. Viewpoint adaptation measured with real 3D objects vs. 2D object pictures

Deng, ZQ., Gao, Jie., Goodale, MA., **Chen, J.**, Different representation of toolness and the elongated shape of tools revealed by continuous flash suppression and backward masking

Research Grants

- National Science Foundation of China, 330,000 RMB, Jan, 2019 to Dec, 2021, No. 31800908 (Host)
- National Science Foundation of China, 580,000 RMB, Jan, 2020 to Dec, 2023, No. 31970981 (Host)

AD-HOC reviewing

- Journals: *Cerebral Cortex*, *the Neuroscientist*, *NeuroImage*, *Cortex*, *Journal of Cognitive neuroscience*, *Scientific Reports*, *Journal of Vision*, *Cognition*, *Vision Research*, *Experimental Brain research*, *PLoS One* and *SCIENCE CHINA Life Sciences*, etc
- Grant: NSF of China