

## Shanshan Zhen

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### WORK EXPERIENCE

**Research Assistant Professor** **2021 – present**  
 Department of Management, Hong Kong Baptist University

**Postdoctoral Fellow** **2020 – 2021**  
 Centre for Family and Population Research (CFPR), NUS

- Project: You Are What You Surf: Characterizing Preference and Decision-making Styles with Digital Footprints

### EDUCATION

**Department of Psychology, National University of Singapore, Singapore** **2016 – 2020**

- Ph.D. in Psychology (Cognitive neuroscience)

### RESEARCH INTERESTS

Social decision making; Developmental cognitive neuroscience; Computational psychiatry;  
 Organizational neuroscience/Organizational behavior

### PUBLICATIONS

- **First author papers**

1. **Zhen, S.**, Chowdhury, A., & Yu, R. (2021). The neural underpinnings of allocentric thinking in a novel signaling task. *NeuroImage*, 117808.
2. **Zhen S.**, Yu R. (2021). Neural correlates of recursive thinking during interpersonal strategic interactions. *Human brain mapping*, 42(7), 2128-2146.
3. **Zhen, S.**, Yu, R. (2016). Are all framing effects created equal? Lack of correlation between two classic measurements of framing. *Scientific Reports*, 6, 30071.
4. **Zhen, S.**, Yu, R. (2016). The development of decoy effect in young children. *Scientific Reports*, 6, 22678.
5. **Zhen, S.**, Yu, R. (2016). Tend to compare and tend to be fair: the relationship between social comparison sensitivity and justice sensitivity. *PLoS One*, 11 (5).
6. **Zhen, S.** (2019). Inhibitory Deficit Hypothesis. In: Gu D., Dupre M. (eds) Encyclopedia of Gerontology and Population Aging. Springer, Cham. [Chapter].

- **Co-authored papers**

7. Herff, S. A., **Zhen, S.**, Yu, R., & Agres, K. R. (2020). Age-dependent statistical learning trajectories reveal differences in information weighting. *Psychology and Aging*, 35(8), 1090.
8. Huang, Y., **Zhen, S.**, Yu, R. (2019). Distinct neural patterns underlying ingroup and outgroup conformity. *Proceedings of the National Academy of Sciences (Letter)*, 116 (11), 4758-4759.
9. Pornpattananangkul, N., **Zhen, S.**, Yu, R. (2018). Common and distinct neural correlates of self-serving and prosocial dishonesty. *Human brain mapping*, 39 (7), 3086-3103.
10. Wang, S., Yu, R., Tyszka, M., **Zhen, S.**, Kovach, C., Sun, S., Huang, Y., Hurlemann, R., Ross, I., Chung, J., Mamelak, A., Adolphs, R., Rutishauser, U. (2017). The human amygdala parametrically encodes the intensity of specific facial emotions and their categorical ambiguity. *Nature Communications*, 8, 14821.

11. Sun, S., **Zhen, S.**, Fu, Z., Wu, D., Shimojo, S., Adolphs, R., Yu, R., Wang, S. (2017). Decision ambiguity is mediated by a late positive potential originating from cingulate cortex. *NeuroImage*, 157, 400-414.
12. Gong, W., **Zhen, S.** (2015). Choosing emotional clues or cognitive clues: the development of the 3- to 6-year-olds' strategies on trust. *Journal of South China Normal University (in Chinese)*, 214: 56-62.

### **CONFERENCES AND WORKSHOPS**

1. **Zhen, S.**, Yu R. (2019) Developmental changes in explore-exploit strategy in adolescents. *Society for Research in Child Development (2019 SRCD Biennial Meeting), Baltimore, USA*
2. **Zhen, S.**, Yu R. (2018) The development of greed and fear in a social bargaining game. **[Awarded as one of the Early Career Scholars]** *International Society for the Study of Behavioral Development (25<sup>th</sup> Biennial Meeting), Gold Coast, Australia*
3. **Zhen, S.**, Yu R. (2018) Neural differentiation of potential losses and gains under risk and ambiguity. *Organization for Human Brain Mapping (24<sup>th</sup> OHBM Annual Meeting), Singapore*
4. Pompatananangkul, N., **Zhen, S.**, Yu, R. (2017) Neural correlates of self-serving dishonesty. *Society for Psychophysiological Research (57<sup>th</sup> Annual Meeting), Vienna, Austria*
5. Pompatananangkul, N., **Zhen, S.**, Yu R. (2016) Lying for the greater good: The role of executive-control and theory-of-mind neural processes on pro-social deception. *Society for Neuroeconomics (14<sup>th</sup> Annual Meeting), Berlin, Germany*
6. **Zhen, S.**, Wang, S., Yu R. (2015) The insula and dorsal medial prefrontal cortex encode perceptual ambiguity. *Organization for Human Brain Mapping (21<sup>st</sup> OHBM Annual Meeting), Hawaii, USA*
7. 2016 5<sup>th</sup> R workshop: Advanced data analysis (Dr. Denis Drieghe), Changchun, China.
8. 2015 Imaging Human Brain Connectomics Workshop, Beijing, China.
9. 2014 Eye Tracking Technology Application and Eye Movement Analysis Workshop, Guangzhou, China.

### **FUNDING**

**PI, Singapore Children's Society Research Grant: S\$3285**

**2018/10 – 2020/8**

- Proposal title: The cognitive and neural mechanisms of social norms enforcement in children

### **TEACHING EXPERIENCE**

**Instructor, Department of Management, Hong Kong Baptist University**

- BUSI2005, Organizational Behavior

**Teaching Assistant, Department of Psychology, NUS**

- 2016/2017 Semester 1, Developmental Psychology
- 2016/2017 Semester 2, Health Psychology
- 2016/2017 Semester 2, Social Psychology

### **PROFESSIONAL SERVICES**

- Reviewer, Neurobiology of Stress, 2021