



## Personal Information

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**NATIONALITY** China  
**DATE OF BIRTH** Oct. 12, 1990  
**GENDER** Female

## Education

**DATES** Sept. 2018 - present  
**POSITION** Postdoctoral researcher  
**MENTOR** Dr. Tor Wager  
**INSTITUTE** Psychological and Brain Sciences, Dartmouth College  
Institute of Cognitive Science, University of Colorado, Boulder

**DATES** Sept. 2013 - July 2018  
**DEGREE** Ph.D. of Basic Psychology  
**THESIS** Psychological and brain mechanism of intergroup conflict  
**MENTOR** Dr. Shihui Han  
**INSTITUTE** School of Psychological and Cognitive Sciences, Peking University

**DATES** Sept. 2009 - July 2013  
**DEGREE** B.S. of Psychology  
**THESIS** Embodied neural response to others' suffering  
**INSTITUTE** School of Psychology, Beijing Normal University

## Current Research Interest

I study the influence of intergroup-relation and social-role on psychological and neural mechanism of social cognition and behavior, by integrating social psychology, brain imaging and machine learning.

## Featured Publications

Han X, Zhou S, Fahoum N, Wu T, Gao T, Shamay-Tsoory S, Gelfand MJ, Wu X, & Han S (2020). Cognitive and neural bases of decision-making causing civilian casualties during intergroup conflict. **Nature human behaviour**. IF: 12.28.

Han X, Gelfand MJ, Wu B, Zhang T, Li W, Gao T, Pang C, Wu T, Zhou Y, Zhou S, Wu X, & Han S (2020). A neurobiological association of revenge propensity during intergroup conflict. **eLife**. IF: 7.08.

Han X, Zhang T, Wang S, & Han S (2017). Neural correlates of believing. **Neuroimage**. IF: 5.90.

Sheng F\*, Han X\*, & Han S (2015). Dissociated neural representations of pain expressions of different races. **Cerebral Cortex**. IF: 5.04.  
(\* co-first author)

Han X, He K, Wu B, Shi Z, Liu Y, Luo S, Wei K, Wu X, & Han, S (2017). Empathy for pain motivates actions without altruistic effects: evidence of motor dynamics and brain activity. **Social cognitive and affective neuroscience**. IF: 3.66.

## Expertises

### PROGRAMMING

Matlab, R, Python, Shell, JavaScript

### NEUROIMAGING

fMRI, EEG

### TEACHING

Chinese National Psychology Teacher Certification

### LANGUAGE

Chinese (Mandarin, mother language), English (fluent)

## Conference and Talks

- 2020** Dec. 14, Invited talk in Department of Psychology, Sun Yat-sen University: Cognitive and neural bases of collateral damage during intergroup conflict, Guangzhou.
- Dec. 11-13, Chinese Social Psychology Conference, Talk: Cognitive and neural bases of collateral damage during intergroup conflict, Haikou.
- July 27 - 31, NeuroHackademy 2020 online edition.
- June 27 - 30, Human Brain Mapping, Poster: Effect size and reliability of the Neurological Pain Signature, Montreal (online).
- 2019** Aug. 7 - 17, MIND Summer School, Cognitive Maps, Dartmouth College, Hanover.
- July 29 - 30, Computational Psychiatry Workshop, The Metropolitan Museum of Art, New York.
- Jan. 10 - 12, fMRI Image Acquisition and Analyses Course, Albuquerque.
- 2017** June 25 - 29, Human Brain Mapping, Poster: Neural response to others' pain during group conflict, Vancouver.
- June 13 - 16, Association for the Scientific Study of Consciousness, Beijing.
- 2016** Sept. 15 - 17, "The Role of Oxytocin in Social Cognition and Behavior: Current Advances" Symposium, Oral Report: Oxytocin decreases homogeneity of outgroup punishment during intergroup conflict, Munich.
- July 24 - 29, International Congress of Psychology, Poster: Empathy for pain motivates actions without altruistic effects: evidence of motor dynamics and brain activity, Yokohama.
- 2014** June 8 - 12, Human Brain Mapping, Poster: The functional significance of mid-cingulate cortex, Hamburg.

## Academic awards

- 2018** Outstanding Ph.D. graduate
- 2017** China National Scholarship (\$ 5,000)  
Innovation Awards of Peking University  
President Scholarship of Peking University (\$11,000)  
The First Prize Scholarship (\$6,500)
- 2016** The First Prize Scholarship (\$6,500)
- 2015** China National Scholarship (\$5,000)  
Innovation Awards of Peking University  
The First Prize Scholarship (\$6,500)

## Appendix:

### Full list of Publications

- 2020** Han X, Zhou S, Fahoum N, Wu T, Gao T, Shamy-Tsoory S, Gelfand MJ, Wu X, & Han S (2020). Cognitive and neural bases of decision-making causing civilian casualties during intergroup conflict. ***Nature human behaviour***.
- Kragel PA, Han X, Kraynak TE, Gianaros PJ & Wager TD. fMRI can be highly reliable, but it depends on what you measure. ***Psychological science***.
- Han X, Gelfand MJ, Wu B, Zhang T, Li W, Gao T, Pang C, Wu T, Zhou Y, Zhou S, Wu X, & Han S. A neurobiological association of revenge propensity during intergroup conflict. ***eLife***.
- Zhou Y, Gao T, Zhang T, Li W, Wu T, Han X, & Han S. Neural dynamics of racial categorization predicts racial bias in face recognition and altruism. ***Nature human behaviour***.

- 2019** An S\*, Han X\*, Wu B, Shi Z, Marks M, Wang S, Wu X, & Han S. Neural activation in response to the two sides of emotion. **Neuroscience letters**. (\* co-first author)
- 2018** Luo S, Han X, Du N, & Han S. Physical coldness enhances racial in-group bias in empathy: electrophysiological evidence. **Neuropsychologia**.
- 2017** Han X, He K, Wu B, Shi Z, Liu Y, Luo S, Wei K, Wu X, & Han, S. Empathy for pain motivates actions without altruistic effects: evidence of motor dynamics and brain activity. **Social cognitive and affective neuroscience**.
- Han X, Zhang T, Wang S, & Han S. Neural correlates of believing. **Neuroimage**.
- 2016** Han X, Luo S, & Han S. Embodied neural responses to others' suffering. **Cognitive neuroscience**.
- 2015** Sheng F\*, Han X\*, & Han S. Dissociated neural representations of pain expressions of different races. **Cerebral Cortex**. (\* co-first author)