

# HONGBO YU

Department of Experimental Psychology  
University of Oxford, Oxford, England

Phone +44(0)7510954230  
E-mail hongbo.yu@psy.ox.ac.uk

---

## ***Education & Training***

**University of Oxford**, Oxford, UK: Postdoctoral research associate, September 2016 –  
Co-investigators: Molly Crockett, PhD – Department of Experimental Psychology

**Peking University**, Beijing, China: PhD student in psychology, 2010 – 2016  
Advisor: Xiaolin Zhou, PhD - Center for Brain and Cognitive Sciences  
Thesis: *The duality of guilt and its neurobiological basis: Guilt as feeling and motivation*

**University of Colorado**, Boulder, CO: Visiting scholar, September 2013 – November, 2013  
PI: Tor Wager, PhD - Cognitive Affective Neuroscience Laboratory

**Peking University**, Beijing, China: Bachelor of Science in physics, 2010.  
Thesis advisor: Xiaolin Zhou, PhD and Sheng Li, PhD  
Thesis: *Dynamic causal modeling in function magnetic resonance imaging research.*

## ***Awards & Fellowships***

Newton International Fellowship, 2016~2018  
Shanghai Neuroeconomics Collective Summer School, NYU-Shanghai, 2015  
Shi Qing Yun Award for Distinguished Research Article (\$ 800), 2015  
SANS (Social & Affective Neuroscience Society) Poster Award, 2013  
National Scholarship for Graduate Student (\$ 4900 p.a.), 2013, 2014, and 2015

## ***Publications***

Zhang, Y†., **Yu, H†.**, et al. (2016). Intention Modulates the Effect of Punishment Threat in Norm Enforcement via the Lateral Orbitofrontal Cortex. *The Journal of Neuroscience*. DOI:10.1523/JNEUROSCI.0595-16.2016

Sun, Y†., **Yu, H†.**, Chen, J†., ... Zhou, X., & Shi, J. (2016). Neural substrates and behavioral profiles of romantic jealousy and its temporal dynamics. *Scientific Report*, 6: 27469. DOI: 10.1038/srep27469

- Gao, X†., Gong, P†., Liu, J†., Hu, J., Li, Y., **Yu, H.**, ... & Zhou, X. (2016). COMT Val158Met polymorphism influences the susceptibility to framing in decision - making: OFC - amygdala functional connectivity as a mediator. *Human Brain Mapping*, 37(5), 1880–1892. DOI: 10.1002/hbm.23142
- Yu, H.**, Shen, B., Yin, Y., Blue, P.R., & Chang, L.J. (2015). Dissociating Guilt-and Inequity-Aversion in Cooperation and Norm Compliance. *The Journal of Neuroscience* 35(24), 8973-8975. doi:10.1523/JNEUROSCI.1225-15.2015. [Journal club article]
- Yu, H.**, Li, J., & Zhou, X. (2015). Neural substrates of intention-consequence integration and its impact on reactive punishment in interpersonal transgression. *The Journal of Neuroscience*. 35(12):4917–4925, doi:10.1523/JNEUROSCI.3536-14.2015.
- Beyens, U†., **Yu, H†.**, Han, T†., Zhang, L., & Zhou, X. (2015). The strength of a remorseful heart: psychological and neural basis of how apology emolliates reactive aggression and promotes forgiveness. *Frontiers in Psychology*. 6: 1611. doi: 10.3389/fpsyg.
- Cao, Y†., **Yu, H†.**, Wu, Y., & Zhou, X. (2015). Can money heal all wounds? Social exchange norm modulates the preference for monetary versus social compensation. *Frontiers in Psychology*. 6:1411. doi: 10.3389/fpsyg.2015.01411
- Wang, L., **Yu, H.**, Hu, J., Theeuwes, J., Gong, X., Xiang, Y., ... & Zhou, X. (2015). Reward breaks through center - surround inhibition via anterior insula. *Human brain mapping*, 36 (12): 5233-5251. doi: 10.1002/hbm.23004
- Hu, J†., Blue, P. R†., **Yu, H.**, Gong, X., Xiang, Y., Jiang, C., & Zhou, X. (2015). Social status modulates the neural response to unfairness. *Social Cognitive and Affective Neuroscience*, 11(5), 1-10, doi: 10.1093/scan/nsv086.
- Hu, L†., Zhang, L†., Chen, R., **Yu, H.**, Li, H., & Mouraux, A. (2015). The primary somatosensory cortex and the insula contribute differently to the processing of transient and sustained nociceptive and non - nociceptive somatosensory inputs. *Human Brain Mapping*, 36(11), 4346–4360, doi: 10.1002/hbm.22922
- Yu, H.**, Hu, J., Hu, L., Zhou, X. (2014). The voice of conscience: neural bases of interpersonal guilt and compensation. *Social Cognitive and Affective Neuroscience*, 9, 1150-1158, doi: 10.1093/scan/nst090.
- Wu, Y†., **Yu, H†.**, Yu, R., Zhou, Z., Zhang, G., Jiang, Y., & Zhou, X. (2014). Neural basis of increased costly norm enforcement under adversity. *Social Cognitive and Affective Neuroscience*, 9 (12): 1862-1871, doi: 10.1093/scan/nst187

Li, S†., Jiang, X†., **Yu, H†.**, Zhou, X. (2014). Cognitive empathy modulates the processing of pragmatic constraints during sentence comprehension. *Social Cognitive and Affective Neuroscience*, 9, 1166-1174, doi: 10.1093/scan/nst091

**Yu, H.**, Zhou, Z., Zhou, X. (2013). The amygdalostriatal and corticostriatal effective connectivity in anticipation and evaluation of facial attractiveness. *Brain and Cognition*, 82, 291–300. doi:10.1016/j.bandc.2013.04.011

**Yu, H.**, Chen, X., Liu, J., Zhou, X. (2013). Gum chewing inhibits the sensory processing and the propagation of stress-related information in a brain network. *PLoS ONE*, 8, e57111. doi: 10.1371/journal.pone.0057111

Wang, L., **Yu, H.**, Zhou, X. (2013). Interaction between value and perceptual salience in value-driven attentional capture. *Journal of Vision*, 13(3), 5, 1-13. doi: 10.1167/13.3.5.

**Yu, H.**, Gong, L., Qiu, Y., Zhou, X. (2011). Seeing Chinese characters in action: An fMRI study of the perception of writing sequences. *Brain and Language*, 119, 60–67. doi:10.1016/j.bandl.2010.11.007

(† equal contribution)

### ***Manuscripts Under Review***

**Yu, H†.**, Cai, Q†., Shen, B., Gao, X., & Zhou, X. Neural substrates of interpersonal gratitude and its social consequences. Manuscript in revision

(† equal contribution)

### ***Invited Talk***

**Yu, H.**, Shen, B., Cao, Y., Zhou, X. (October, 2015) *Neural correlates of guilt-induced self-punishment*. 45<sup>th</sup> Annual Meeting of the Society for Neuroscience (SfN), Chicago, IL, 2015.

## **Presentations**

- 1) Gao, X†., **Yu, H†.**, Saez, I., Zhu, L., Hsu, M., Zhou, X. (April, 2016) *Beyond equality: Hyper-altruism in guilt-induced compensation*. Poster presented at the annual meeting of “Social & Affective Neuroscience Society”, New York, U.S.A, 2016. (Poster Award)
- 2) **Yu, H.**, Zhou, Y., Zhou, X. (October, 2014) *“One good turn deserves another”: Function of the striatum predicts repayment in an interpersonal grateful situation*. Poster presented at the meeting “Brain circuits for positive emotions”, Ascona, Switzerland, 2014
- 3) **Yu, H.**, Chang, L., Koban, L., Wager, T., Zhou, X (December, 2013) *Predicting guilt and compensation from fMRI response: a machine-learning approach*. Poster presented at the 4th Annual Meeting of the Society for Social Neuroscience (S4SN), Guangzhou, China, 2013.
- 4) **Yu, H.**, Zhou, Z., Zhou, X. (April, 2013) *The amygdalostriatal and corticostriatal effective connectivity in anticipation and evaluation of facial attractiveness*. Poster presented at the 6th Annual Social Affective Neuroscience Meeting, San Francisco, CA, 2013. (Poster Award)
- 5) **Yu, H.**, Hu, J., Hu, L., Zhou, X. (April, 2013) *The voice of conscience: Neural bases of interpersonal guilt and compensation*. Poster at the 20<sup>th</sup> Anniversary Meeting for the Cognitive Neuroscience Society, San Francisco, CA, 2013.
- 6) **Yu, H.**, Chen, X., Liu, J., Zhou, X. (April, 2012) *Gum chewing inhibits the propagation of stress-related information in the brain stress network*. Poster presented at the 5th Annual Social Affective Neuroscience Meeting, New York, NY, 2012
- 7) **Yu, H.**, Zhou, Z., Wang, L., Zhou, X. (April, 2011) *A guess makes a difference: facial attractiveness anticipation modulates facial attractiveness evaluation*. Poster presented at the 18th Annual Meeting for the Cognitive Neuroscience Society, San Francisco, CA, 2011.
- 8) **Yu, H.**, Gong, L., Qiu, Y., Zhou, X. (June, 2010) *Seeing Chinese characters in action: An fMRI study of the perception of writing sequences*. Poster presented at the 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, 2010.

(† equal contribution)

***Ad-hoc Reviewing***

Cerebral Cortex

Scientific Reports

PLoS ONE

Acta Psychologica

Frontiers in Computational Neuroscience