

# Xinyuan Yan

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## Education Background

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*Sept. 2016 – Present.*

Graduate student, Cognitive Neuroscience

**Beijing Normal University**

Advisor: Dr. Yina Ma

*Sept. 2012 – June 2016.*

B.Sc., Psychology

**Northeast Normal University**

## Fellowship and Awards

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2019

Fellowship to Kavli summer institute in cognitive neuroscience (University of California, Santa Barbara)

2018

Distinguished graduate research fellowship in State Key Laboratory of Cognitive Neuroscience and Learning

2018

National graduate research fellowship

## Publications

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1. Zheng S†, **Yan X**†, Siegel J, Chituc V, Li S, Crockett MJ, Ma Y. Self-serving karmic beliefs: prosociality influences vicarious optimism (2020). *Psyarxiv*. († **co-first author**)
2. Liu Y, Li S<sup>#</sup>, Lin W<sup>#</sup>, Li W<sup>#</sup>, **Yan X**, Wang X, Pan X, RB Rutledge, Ma Y. Amygdala activity tracks deviations from social preferences (2019). *Nat Neurosci* 22 (4): 633-641 (# co-second author)
3. **Yan X**, Yong X, Huang W, Ma Y. Placebo treatment facilitates social trust and approach behavior (2018). *Proc Natl Acad Sci U S A* 115(22):5732-37.
4. Feng C†, **Yan X**†, Huang W, Han S, Ma Y. Neural representations of the multidimensional self in the cortical midline structures (2018). *Neuroimage* 183:291-299. († **co-first author**)
5. Wang D, **Yan X**, Li M, Ma Y (2017). Neural substrates underlying oxytocin effect: A quantitative meta-analysis of pharmaco-imaging studies. *Soc Cogn Affect Neurosci* 12(10): 1565-1573.
6. Ma Y, Li S, Wang C, Liu Y, Li W, **Yan X**, Chen Q, Han S (2016). Distinct oxytocin effects on belief updating in response to desirable and undesirable feedback. *Proc Natl Acad Sci U S A* 113(33):9256-61.

## Conference presentations

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1. **Yan X** “Neural representations of social placebo effect” , 2020, Neuromatch 3.0  
<https://www.youtube.com/watch?v=AWtjNvVsrk>
2. **Yan X**, Ma Y. “Neural pattern change of memory control of personal strengths and weaknesses”, 2018, 11<sup>th</sup> Annual Meeting of The Social & Affective Neuroscience Society. New York
3. Huang I, **Yan X**, Yuan W, Wu D, Li Z, Ma Y. “How social stress and oxytocin influence the way people update their belief”, 2018, 11<sup>th</sup> Annual Meeting of The Social & Affective Neuroscience Society. New York

## Miscellaneous

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### *Additional Training (finished):*

Online summer school for Computational Neuroscience, *Neuromatch Academy*, 2020

Computer Simulations, *Coursera*, 2020

Social Network Analysis, *Coursera*, 2020

Network Dynamics of Social Behavior, *Coursera, 2020*

Introduction to HTML5, *Coursera, 2020*

Julia Scientific Programming, *Coursera, 2020*

Facial Expression Recognition with Keras, *Coursera, 2020*

Kavli summer school in cognitive neuroscience, *California USA, 2019*

***Programming knowledge:***

MATLAB, Python, R, Julia, jsPsych, HTML5, CSS3, NetLogo

***Data analysis:***

**fMRI data** (All functional connectivity in resting fMRI/task fMRI, graph theory analysis, RSA, MVPA, Reinstatement analysis, PPI, parametric modulation, Activation)

**Behavior data** (Bayesian statistics, Agent-based simulations, Rescorla-Wagner Model, Experience-weighted attractor, Network analysis, Hierarchical gaussian filter, Drift-diffusion model, Text mining)