

Jing Jiang

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ACADEMIC APPOINTMENTS

2022- Assistant Professor (tenure-track)
Departments of Pediatrics and Psychiatry
University of Iowa Carver College of Medicine
University of Iowa Stead Family Children's Hospital

ADDITIONAL AFFILIATIONS

2022- Faculty, Iowa Neuroscience Institute
Faculty, Interdisciplinary Neuroscience Graduate Program
Faculty, Iowa's Hawkeye Intellectual and Developmental Disabilities Research Center

TRAINING AND EDUCATION

2020-2022 Postdoctoral Fellow, *social and clinical neuroscience*
Harvard Medical School & Brigham and Women's hospital, USA
Mentor: Michael Fox

2017-2020 Postdoctoral Fellow, *clinical and computational neuroscience*
Stanford University & VA Palo Alto, USA
Mentors: Amit Etkin, Alan Schatzberg

2013- 2017 Ph.D., Psychology (with honors), *social and developmental neuroscience*
Humboldt University of Berlin &
Max Planck Institute for Human Cognitive and Brain Sciences, Germany
Mentors: Katharina von Kriegstein, Arno Villringer, Stefanie Hoehl

2010-2013 M.S., Psychology (with honors), *social neuroscience*
Beijing Normal University, China
Advisor: Chunming Lu

2006-2010 B.S., Psychology (with honors)
Capital Normal University, China

GRANTS AND AWARDS

- 2021-2023 **NARSAD Young Investigator**, Brain & Behavior Research Foundation, USA (\$70,000)
- 2013-2017 **DAAD Fellowship**, German Academic Exchange Service, Germany (€49,066)
- 2013 **Excellent Master Graduate**, Beijing
- 2013 **Excellent Master Graduate**, Beijing Normal University
- 2012 **LIYUN Excellent Graduate Student**, Beijing Normal University (\$300)
- 2013 **Top One Graduate Student** award for extraordinary academic achievements, State Key Laboratory of Cognitive Neuroscience and Learning (among all PhD and Master students) (\$3,000)
- 2012 **National Scholarship for Graduate Student** award, National (\$3,000)
- 2012 **GSK (GlaxoSmithKline) Tomorrow's Star** award, National (15 winners totally in nationwide) (\$700)
- 2012 **Outstanding Academic Achievement** award, Beijing Normal University (\$300)
- 2012 **Excellent Research Contribution** award, State Key Laboratory of Cognitive Neuroscience and Learning
- 2010 **Excellent Bachelor Thesis** award, Capital Normal University
- 2007 **National Scholarship for Undergraduate Student**, National (\$3,000)
- 2007-2009 **Top Five Students** award, Capital Normal University

PUBLICATIONS ([Google Scholar](#))

1. Kayhan, E*, Nguyen T, Matthes D, Langeloh M, Michel C, **Jiang J***, Hoehl S (2022): Interpersonal neural synchrony when predicting others' actions during a game of rock-paper-scissors. *Scientific Reports*. 12(1):1-11
2. **Jiang J**, Zheng L, Lu C*. (2021). A hierarchical model for interpersonal verbal communication. *Social Cognitive and Affective Neuroscience*, invited Perspective Review, 16 (1-2): 246-255.

3. **Jiang J***, von Kriegstein K, Jiang J. (2020). Brain mechanisms of eye contact during verbal communication predict autistic traits in neurotypical individuals. *Scientific Reports*, 10: 14602.
4. Eshel N⁺, Keller C⁺, Wu W⁺, **Jiang J⁺**, ..., Etkin A*. (2020). Global connectivity and local excitability changes underlie antidepressant effects of repetitive Transcranial Magnetic Stimulation. *Neuropsychopharmacology*, 45 (6): 1018-1025 (+: **co-1st** authors).
-Top 1.00% most-cited article
5. Wu W, Zhang Y, **Jiang J**, ..., Etkin A*. (2020). An electroencephalographic signature predicts antidepressant response in major depression. *Nature Biotechnology*, 38:439-447.
- Top 0.01% most-cited article
- Media Coverage: [NIMH News Releases](#), [Scientific American](#), [New Scientist](#), [NPR](#), etc.
6. **Jiang J***, Borowiak K, Tudge L, Otto C, von Kriegstein K. (2017). Neural mechanisms of eye contact when listening to another person talking. *Social Cognitive and Affective Neuroscience*, 319–328.
- Top 10.00% most-cited article
7. **Jiang J.**, Chen C., Dai B., Shi G., Liu L., Lu C.*. (2015). Leader emergence through interpersonal neural synchronization. *Proceedings of the National Academy of Sciences of the United States of America*, 112(14): 4274-4279.
- Top 1.00% most-cited article
- Peer commentary: F1000 Prime Recommendations, [F1000Prime](#)
- Media Coverage: [Harvard Business Review](#), [Harvard Business Review](#), [Science Daily](#), [Inc](#), etc.
8. **Jiang J.**, Dai B, Peng D, Zhu C, Liu L, Lu C*. (2012). Neural synchronization during face-to-face communication. *Journal of Neuroscience*, 32(45):16064 –16069.
- Top 1.00% most-cited article
- Peer commentary: Journal Club in Journal of Neuroscience: Kyongsik Yun. On the same wavelength: Face-to-face communication increases interpersonal neural synchronization. (2013). *Journal of Neuroscience*, 33(12): 5081-5082.
- Media Coverage: [Forbes](#), [The Guardian](#), [The American Bar Association](#), etc.
9. **Jiang J**, Lu C*, Peng D, Zhu C, Howell P*. (2012). Classification of types of stuttering symptoms based on brain activity. *PLoS ONE*, 7(6): e39747.
10. Howell P*, **Jiang J**, Peng D, Lu C*. (2012). Neural control of fundamental frequency rise and fall in Mandarin tones. *Brain and Language*, 121(1): 35-46.
11. Howell P*, **Jiang J**, Peng D, Lu C*. (2012). Neural control of rising and falling tones in Mandarin speakers who stutter. *Brain and Language*, 123(2): 211-221.

*: correspondence author

OTHER MANUSCRIPTS

12. **Jiang J**, Sagar M, Narayan, M, Zhang Y, Wu W, Mills-Finnerty C, Cole M, Etkin A*: TMS-induced activation spreads throughout the brain via intrinsic functional networks. (*in preparation*)
13. **Jiang J***, Cline C, Etkin A: Causal modulation of the dorsolateral prefrontal cortex on amygdala in threat and anxiety contexts. (in preparation)
14. **Jiang J***, Ferguson M, Grafman J, Cohen A⁺, Fox M⁺: A lesion-derived brain network for emotion regulation. (submitted)

TEACHING and MENTORING

- 2021- 2022 **Data analysis mentor**, Brigham and Women's Hospital
- 2017-2019 **RA mentor**, Stanford University
 Rachael Wright, now graduate student at Duke University
 Carena Cornelssen, now graduate student at University of Utah
- 2017 **Instructor**, workshop Science Tour for Undergraduate Students, Max Planck Institute for human cognitive and brain sciences
- 2016-2017 **Master thesis supervisor**, Humboldt-Universität zu Berlin
 Hsin-pei Lin, now graduate student at Humboldt-Universität zu Berlin

PROFESSIONAL SERVICE AND MEMBERSHIPS

Ad-hoc Reviewer

Social Cognitive and Affective Neuroscience, Human Brain Mapping, Frontiers in Human Neuroscience, Social Neuroscience, International Journal of Sports Science & Coaching, European Journal of Neuroscience, Acta Psychologica, etc.

Membership

Organization for Human Brain Mapping
 Society of Biological Psychiatry
 Cognitive Neuroscience Society

TALKS AND CONFERENCE PRESENTATIONS

1. Interpersonal Neurosync and Neuromodulation in Social Interaction: Implications for Psychiatry. Center for Neuromodulation in Depression and Stress, University of Pennsylvania. Jul 27, 2022. (**Invited virtual talk**)
2. Neurocognitive mechanisms underlying human social interaction. TCCI NEUROCHAT. Jun 10-

- 11, 2022. **(Invited virtual talk)**
3. Neurocognitive mechanisms underlying human social interaction. The University of Alabama, Tuscaloosa, Alabama, Nov 30, 2021. **(Invited talk)**
 4. Neurocognitive mechanisms underlying human social interaction. University of Iowa Stead Family Children's Hospital. Iowa City, Iowa, Nov 04, 2021. **(Invited talk)**
 5. Global connectivity and local excitability changes underlie antidepressant effects of repetitive Transcranial Magnetic Stimulation. Shanghai Jiaotong University, Shanghai. Dec, 2020. **(Invited virtual talk)**
 6. Neural mechanisms underlying human social interaction. Peking University, Beijing. Jul 16, 2020. **(Virtual seminar talk)**
 7. Neural mechanisms underlying human social interaction. University of California, Berkley, Apr 22, 2020. **(Virtual talk)**
 8. Neural mechanisms underlying human social interaction. Stanford University, Mar 27, 2020. **(Virtual talk)**
 9. Neural mechanisms underlying human social interaction. University of California, Irvine. Jan 27, 2020. **(Invited talk)**
 10. Subcortical responses by TMS on prefrontal cortex distinguish patients from healthy people. SOBP. New York, May 2018. (Poster)
 11. Neural Mechanisms underlying social communication. The School of Psychology and Cognitive Science, East China Normal University. Shanghai, Mar 16, 2017. **(Invited talk)**
 12. Neural Mechanisms underlying social communication. Institute of Psychology, Chinese Academy Sciences. Beijing, Mar 28, 2017. **(Invited talk)**
 13. Neural mechanisms of eye contact in face-to-face communication. *OHBM*. Geneva, Switzerland, Jun 2016. (Poster)
 14. Neural network for eye contact: A fixation-based event-related fMRI study. *OHBM*. Honolulu, USA, Jun 2015. (Poster)
 15. Neural network for eye contact: Evidence from a fixation-based event-related fMRI study. *Annual Meeting of Berlin School of Mind and Brain*. Berlin, Germany, Dec 2015. (Talk and poster)
 16. Neural mechanisms of gaze patterns during face-to-face communication. *Annual Meeting of Berlin School of Mind and Brain*. Berlin, Germany, Dec 2014. (Talk and poster)
 17. Prediction of leadership based on inter-brain synchronization. *OHBM*. Hamburg, Germany, June 08-12, 2014. (Poster)
 18. FNIRS-based hyperscanning on the neural synchronization during face-to-face communications. Humboldt-Universität zu Berlin, Germany, Apr 2013. **(Invited talk)**
 19. Neural synchronization during face-to-face communication. *OHBM*. Beijing, China, Jun 2012. (Poster)

REFERENCES

Michael Fox

Director of the Center for Brain Circuit Therapeutics

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Neurology at Harvard Medical School

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Alan Schatzberg

Director of Stanford Mood Disorders Center

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Deputy Head of Department and Vice Dean Head of the research unit for developmental psychology

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Arno Villringer

Academic Director of

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Katharina von Kriegstein

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