

# Ke 'Kay' Fang

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## Interests

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**Topics:** Computational approaches to understand *how distributed individual minds support emergent collective-level behaviors and patterns* such as *cooperation, social norms, and polarization*.

**Methods:** Behavioral experiment, Computational cognition, Agent-based model, Network analysis.

## Education

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Sep.2024– Present	Ph.D. Student in Psychology (Cognitive) Advisor: Robert D. Hawkins	Stanford University (US)
Oct.2022– Mar. 2024	M.A. in Interdisciplinary Study Concentration: Social Psychology & Computational Social Science Committee: Madalina Vlasceanu (Primary) & Ashwini Ashokkumar Thesis: Distorted norm perception: How extremist speech fuels polarization	New York University (US)
Sep. 2018– Jul. 2022	B.A. in Management Thesis: Who is to blame? Corporate social responsibility information buffers investors' blame and reaction towards negative earnings surprise	Lanzhou University (China)
2021 - 2022 Fall	Semester Exchange in Economics	Tohoku University (Japan)
2021 Summer	Summer Exchange in Psychology	UC Berkeley (US)

### Summer Schools and Workshops

Oct. 2023	Santa Fe Institute Complexity Interactive (SFI-CI) Theme: Modeling Social Behavior through Complexity Science
Jun. 2023	Summer Institute of Computational Social Science (SICSS) Theme: Natural Language Processing & Large Language Models

## Publications & Presentations

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- [1] Doell, K. C., Todorova, B., Vlasceanu, (...), **Fang, K.**, (...), Van Bavel, J. J. (2024). The International Climate Psychology Collaboration: Climate change-related data collected from 63 countries. *Scientific Data*, 11(1), 1066. [<https://doi.org/10.1038/s41597-024-03865-1>].
- [2] Vlasceanu, M., Doell, K. C., Bak-Coleman, J. B., (...), **Fang, K.**, (...), & Van Bavel, J. J. (2024) Addressing climate change with behavioral science: A global intervention tournament in 63 countries. *Science Advances*, 10(6), ead5778. [<https://doi.org/10.1126/sciadv.adj5778>]
- [3] Ma, J., Zeng, Z., & **Fang, K.** (2022). Emotionally Savvy Employees Fail to Enact Emotional Intelligence when Ostracized. *Personality and Individual Differences*, 185. DOI: <https://doi.org/10.1016/j.paid.2021.111250> [pdf]

## Conference Presentations

- [1] **Fang, K.**, Hawkins, R. D., & Vlasceanu, M. (Accepted). Attitude-Expression Linkage and Norm Perception Shape Polarization in Social Network. *Abstract submitted to Society of Personality and Social Psychology Annual Convention 2025, Denver, CO, US.*
- [2] Hawkins, R. D., Gupta, M., **Fang, K.**, Wu, C. M., & Franke, M. (Accepted). Networks with pragmatic listeners are less vulnerable to misinformation. *Abstract submitted to Society of Personality and Social Psychology Annual Convention 2025, Denver, CO, US.*
- [3] **Fang, K.**, Bao, E., & Vlasceanu, M. (February, 2024). Emotional Landscapes of Climate Beliefs and Actions: Insights from Textual Analysis of Letters to Future Generations. *Abstract submitted to Society of Personality and Social Psychology Annual Convention 2024, CA, US.*
- [4] **Fang, K.** & Wang, Y., (October, 2022). The More You Think, the More Proactive You Are? The Reciprocal Effect Between Work-Related Rumination and Job Crafting. *Paper presented at Undergraduate Research Symposium of Lanzhou University, Gansu, China.*
- [5] **Fang, K.** & Ma, J. (October, 2020). How Does Multitasking Influence Employee's Performance and Well-Being: The Role of Cognitive Appraisals and Time Management. *Paper presented at Undergraduate Research Symposium of Lanzhou University, Gansu, China.*

## Under Review or In Progress

- [1] **Fang, K.** & Vlasceanu, M. (Under Review.). Belief Propagation Across Society: Psychological Mechanisms. In Van Leeuwen, N.& Lombrozo, T. (Ed.), *The Oxford Handbook of the Cognitive Science of Belief*. Oxford University Press.

## Honors & Awards

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### Research Awards & Honors

2023 - 2024	NYU Gallatin Graduate Thesis Fund (USD \$1500)
2023 Summer	NYU Gallatin Dean's Award for Summer Research (USD \$2500)
2022 - 2023	NYU Horn Family Fund for Environmental Research (USD \$1500)
2022	Lanzhou University Excellent Bachelor Thesis (Honor)
2021 - 2022	China National College Student Innovation Training Grant (CNY \$5000)
2020 - 2021	Lanzhou University Undergraduate Research Fund (CNY \$1500)
2018 - 2019	Lanzhou University Undergraduate Research Fund (CNY \$1000)

### Merit-based Honors & Scholarships

2023	Santa Fe Institute Registration Scholarship (USD \$300 Registration Waiver)
2022- 2024	NYU Gallatin Master Entrance Scholarship (USD \$10500 Tuition Waiver)
2021 - 2022	Lanzhou University Academic Excellence Scholarship (Top 8 % in Academic)
2020 - 2021	Lanzhou University Model Student (Top 10 % in Overall Performance)

### Services Awards

2020 - 2021	Lanzhou University Student Service Award (Top 4.5 % in Service)
2018 - 2019	Lanzhou University Student Service Award (Top 4.5 % in Service)

## Research Experiences

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2024 – Present	<b>Ph.D. Student</b>	<b>Social Interaction and Language Lab</b>
<i>PI:</i> Prof. Robert Hawkins, Ph.D.		Stanford University
2024 – Present	<b>Lab Affiliate</b>	<b>Climate Cognition Lab</b>
<i>PI:</i> Prof. Madalina Vlasceanu, Ph.D.		Stanford University
2022 – 2024	<b>Master’s Student</b>	<b>Collective Cognition Lab</b>
<i>PI:</i> Prof. Madalina Vlasceanu, Ph.D.		Psychology Department, New York University
2023– 2024	<b>Master’s Student</b>	<b>WE-search (Ashokkumar) Lab</b>
<i>PI:</i> Prof. Ashiwini Ashokkumar, Ph.D.		Psychology Department, New York University
2020 - 2022	<b>Research Assistant</b>	<b>Workplace Mental Health Lab</b>
<i>PI:</i> Prof. Yanxia Wang, Ph.D.		School of Management, Lanzhou University
2019 - 2022	<b>Research Assistant</b>	<b>Occupational Health Psychology Lab</b>
<i>PI:</i> Prof. Jie Ma, Ph.D.		School of Management, Jinan University

## Academic References

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### **Robert Hawkins, Ph.D.**

Assistant Professor of Linguistics and (by courtesy) Psychology,  
Director of Social Interaction and Language Lab, Stanford University  
Email: [rdhawkins@stanford.edu](mailto:rdhawkins@stanford.edu)

### **Madalina Vlasceanu, Ph.D.**

Assistant Professor of Environmental Behavioral Sciences,  
Director of Climate Cognition Lab, Stanford University  
Email: [mov@stanford.edu](mailto:mov@stanford.edu)

### **Ashwini Ashokkumar, Ph.D.**

Assistant Professor of Psychology, Director of WE-search Lab, New York University  
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### **Jay Van Bavel, Ph.D.**

Professor of Psychology, Director of Social Identity & Morality Lab, New York University  
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### **Jie Ma, Ph.D.**

Associate Professor, School of Management, Jinan University (Guangzhou)  
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### **Yanxia Wang, Ph.D.**

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