

Kangqiao Wang

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Personal Information

Kangqiao Wang (male, born 1999, Chinese) is currently a PhD candidate at Macquarie University.

Research Interests

- Philosophy of Biology
- Philosophy of Applied Mathematics
- Logical Empiricism

Education

Macquarie University, Doctor of Philosophy in Humanities (ongoing)	Feb 2025 – present
• Thesis: The inclusive fitness theory, social evolution, and eusociality	
• Supervisor: Pierrick Bourrat	
Tsinghua University, Master of Science in History of Science and Technology	Sep 2022 – Oct 2024
• Thesis: A Conceptual Study of the Inclusive Fitness Theory Controversy (in Chinese)	
• Supervisor: Wei Wang	
Peking University, Bachelor of Philosophy in Philosophy	Sep 2017 – Jun 2022
• Thesis: How is a mechanistic explanation justified? (in Chinese)	
• Supervisor: Qiaoying Lu	

Publications

Journal articles

1. Wang, K. (2025). Doubts About the Explanatory Value of Hamilton's Rule in Inclusive Fitness Theory: An Objection to Jonathan Birch (in Chinese). *Journal of Dialectics of Nature*, 47(7), 49–57.

Other

1. Wang, K. (forthcoming). The Evolution of Altruism, Newcomb's Problem, and the Maximizing-Agent Analogy (in Chinese). In B. Chen (Ed), *Thought and the Times: Volume III*. The Commercial Press.

Presentations

Refereed

2. Wang, K. (Dec 2024). The Evolution of Altruism, Newcomb's Problem, and the Maximizing-Agent Analogy (in Chinese). The 12th National Conference on the Philosophy of Biology and the 7th National Conference on the Philosophy of Ecology. Beijing Normal University at Zhuhai, Zhuhai, China.
1. Wang, K. (Apr 2024). The general form(s) of Hamilton's rule and the regression model(s) of social evolution. The sixth conference for young scholars on science and philosophy. Institute of Philosophy, Chinese Academy of Sciences, Beijing, China.

Teaching Experiences

As teaching assistant

Culture and Evolution, at Tsinghua University (Instructor: Rachael Brown)

2024 Summer

Introduction to Philosophy of Science, at Tsinghua University (Instructor: Wei Wang) 2023 Fall

An Environmental History of Microbes, 19th–20th, at Tsinghua University (Instructor: Mathias Grote) 2023 Summer

Philosophy of Specific Sciences, at Tsinghua University (Instructor: Wei Wang) 2023 Spring

Service Work

Student Assistant, Youth Monograph Award for History and Philosophy of Science Sep 2023 – Nov 2023

Awards

Macquarie University Research Excellence Stipend Scholarship, Macquarie University Feb 2025 – Feb 2028

Macquarie University Research Excellence Tuition Scholarship, Macquarie University Feb 2025 – Feb 2028

Xiyu Scholarship, Department of Philosophy and Religious Studies, Peking University 2018 – 2019

Academic Excellence Award, Peking University 2017 – 2018

Languages

Chinese (Mandarin) (native), English (proficient)