

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.** (1 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.** (21 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.

Invited

1. **Wang, K.** (3 Nov 2025). Explicating Genetic Relatedness: A Functional Approach. SAPoLSN Workshop. Macquarie University, Sydney, Australia.

Teaching Experiences

As teaching assistant

Culture and Evolution, at Tsinghua University (Instructor: Rachael Brown)	Summer 2024
Introduction to Philosophy of Science, at Tsinghua University (Instructor: Wei Wang)	Fall 2023
An Environmental History of Microbes, 19th–20th, at Tsinghua University (Instructor: Mathias Grote)	Summer 2023
Philosophy of Specific Sciences, at Tsinghua University (Instructor: Wei Wang)	Spring 2023

Academic Service

Student Assistant , Theory and Method in Biosciences group	Sep 2025 – present
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)