

# Kangqiao Wang

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## Personal Information

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

## Research Interests

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- Philosophy of Biology
- Philosophy of Applied Mathematics
- Integrated History and Philosophy of Science
- Logical Empiricism

## Education

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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

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### 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

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### 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

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### 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

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<b>Student Ambassador</b> , Sino-Australian Philosophy of Life Sciences Network (SAPoLSN)	Nov 2025 – present
<b>Student Assistant</b> , Theory and Method in Biosciences group	Sep 2025 – present
<b>Student Assistant</b> , The 8th Youth Monograph Award for History and Philosophy of Science	Sep 2023 – Nov 2023

### Awards

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<b>Macquarie University Research Excellence Stipend Scholarship</b> , Macquarie University	Feb 2025 – Feb 2028
<b>Macquarie University Research Excellence Tuition Scholarship</b> , Macquarie University	Feb 2025 – Feb 2028
<b>Xiyu Scholarship</b> , Department of Philosophy and Religious Studies, Peking University	2019
<b>Academic Excellence Award</b> , Peking University	2018

### Languages

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