

Kangqiao Wang

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Personal Information

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

Research Interests

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

Employment

Sessional Teaching Academic, Macquarie University Feb 2026 – present

Education

Doctor of Philosophy in Humanities (ongoing), Macquarie University Feb 2025 – present

- Thesis: The inclusive fitness theory, social evolution, and eusociality
- Supervisor: Pierrick Bourrat

Master of Science in History of Science and Technology, Tsinghua University Sep 2022 – Oct 2024

- Thesis: A Conceptual Study of the Inclusive Fitness Theory Controversy (in Chinese)
- Supervisor: Wei Wang

Bachelor of Philosophy in Philosophy, Peking University 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

Online activity leader at Macquarie University

Critical Thinking (Convenor: Jennifer Duke-Yonge and Alexander Gillett) Session 1, 2026

Teaching assistant at Tsinghua University

Culture and Evolution (Instructor: Rachael Brown) Summer 2024

Introduction to Philosophy of Science (Instructor: Wei Wang) Fall 2023

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

Philosophy of Specific Sciences (Instructor: Wei Wang) Spring 2023

Academic Service

Student Assistant, SAPoLSN 2026 Summer School Mar 2026 – present

Student Ambassador, Sino-Australian Philosophy of Life Sciences Network (SAPoLSN) Nov 2025 – present

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

Student Assistant, The 8th 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 2019

Academic Excellence Award, Peking University 2018

Professional Memberships

Member, Australasian Association of Philosophy Apr 2026 – present

Member, Philosophy of Science Association Mar 2026 – present

Member, The Chinese Society for Dialectics of Nature Feb 2026 – present

Languages

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