

# **Yichu Fan**

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## **EDUCATION**

<b>University of Edinburgh, Philosophy</b>	Edinburgh, UK
<b>Doctoral Candidate</b>	2022 – current
• Areas of specialisation: Philosophy of Neuroscience, Philosophy of Biology.	
• Areas of interest: Philosophy of Cognitive science, General Philosophy of Science, Chinese Philosophy.	
• Thesis title: “A Pragmatist Approach to Incoherent and Indeterminate Concepts in Neuroscience”.	
• Supervisors: Dr. Mazviita Chirimuuta, Dr. Mark Sprevak	
• Studentship: Edinburgh Doctoral College Scholarship.	
<b>University of Edinburgh, Philosophy</b>	Edinburgh, UK
<b>Master of Science</b>	2020 – 2021
<b>Shenzhen University, Biology</b>	Shenzhen, China
<b>Bachelor of Science</b>	2015 – 2019

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## **PUBLICATIONS**

- “How to explain degenerate mechanisms”. *Synthese* **206**, 222 (2025). <https://doi-org.eux.idm.oclc.org/10.1007/s11229-025-05302-1>
- A paper on reconciling different accounts of constitutive relevance (under review).

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## **TEACHING EXPERIENCE**

<b>Tutor in Philosophy, University of Edinburgh</b>	2023 – current
• Introduction to Cognitive Science • Mind, Matter and Language	• Logic 1 • The Computational Mind

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## **PRESENTATIONS**

- “Phenomenon Reconstitution as a Tool for Explanatory Progress”, *Webconference of the International Society for the Philosophy of the Sciences of the Mind (ISPSM)*, 2025.
- “How to Explain Degenerate Mechanisms”, *The 20th Annual Conference of the Italian Association for Cognitive Sciences*, 2024.
- “How to Explain Degenerate Mechanisms”, *Webconference of the International Society for the Philosophy of the Sciences of the Mind (ISPSM)*, 2024.
- “Mechanistic Explanations for Biological Oscillators”, *The XII edition of the Research Workshop on Philosophy of Biology and Cognitive Sciences (PBCS XII)* at University of Malaga, 2023.
- “Explaining Endogeneity: Mechanistic Explanations without Input”, *Webconference of the International Society for the Philosophy of the Sciences of the Mind (ISPSM)*, 2023.

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## **OTHER EXPERIENCE**

- Postgraduate Research Representative for Philosophy, University of Edinburgh, 2023-2025
- Attendee at the Society for the Metaphysics of Science summer school, 2025.
- Attendee at summer school ‘School of Ideas in Neuroscience’ at Nencki Open Lab, 2024.
- Attendee at summer school ‘Neuromatch Academy’, an interdisciplinary training programme on computational neuroscience, 2020.
- Researcher in the Alzheimer’s Disease project at Shenzhen Brain Science Center, 2016-2019.