

Areas of Specialism

Philosophy of Mathematics, Logic, History of Analytic Philosophy

Additional Areas of Expertise

Philosophy of Language, Metaphysics, Epistemology, Philosophy of Artificial Intelligence

Employment History

09/2025 – 08/2027: Postdoctoral Fellow in the Philosophy of Mathematics, Centre National de la Recherche Scientifique (CNRS)

Full-time research appointment on the ANR (Agence Nationale de la Recherche) MATHY project, based at the Archives Henri-Poincaré, Nancy.

09/2022 – 08/2025: LSE Fellow, The London School of Economics

Full-time teaching and research appointment. Duties include providing undergraduate lectures and classes, graduate teaching, and associated administration, such as examining.

01/2020 – 09/2022: Departmental Lecturer, University of Oxford

Full-time teaching and research appointment. I was also a stipendiary lecturer at The Queen's and St Catherine's Colleges (2021–2022 only).

09/2018 – 12/2019: Guest Teacher, The London School of Economics

Full-time teaching associateship focused on undergraduate class teaching and examining.

Education

2015–2019: PhD in Philosophy, University of Cambridge

Thesis Title: *Axiomatization and Incompleteness in Arithmetic and Set Theory*

Thesis Supervisors: Tim Button and Michael Potter

Examiners: Alex Oliver and Daniel Isaacson

Submitted: 26/04/2019. Viva: 28/06/2019. Result: Pass (with minor corrections)

Funding: AHRC Doctoral Scholarship

2013–2015: BPhil in Philosophy, University of Oxford

Thesis Title: *Quantifier Variance and Relativism*

Thesis Supervisor: Adrian Moore

Examined Subjects: Early Modern Philosophy I, Ethics I, History of Philosophy 1800–1950 I & II, Philosophy of Language I & II, Philosophy of Mathematics I

Result: Pass (with distinction in the essay component)

2010–2013: BA in Philosophy, University of Cambridge

Awarded First Class Honours

Achieved the second-highest overall mark in final examinations for Philosophy
 Awarded two King's College Scholarships for outstanding examination results
 BA dissertation archived in the Cambridge Philosophy Library

Publication

Monograph

1. Paseau, A.C. and W. Wrigley (2024), *The Euclidean Programme*. In Cambridge University Press's *Elements in the Philosophy of Mathematics* series (approximately 33,000 words).

Research Papers

6. Wrigley, W. (TBC), 'Indefinite Extensibility and Intensionality'. Invited submission to a planned volume to celebrate Michael Dummett's centenary, to be edited by D. Isaacson, I. Rumfitt, F. Pregel, and C. Scambler (approximately 10,000 words).
5. Wrigley, W. (forthcoming 2026), 'Foundationalism and the Axioms of Mathematics'. In *The Blackwell Companion to the Philosophy of Mathematics*, edited by A.C. Paseau. Blackwell's (approximately 8,000 words).
4. Paseau, A.C. and W. Wrigley (2025), 'Lakatos on the Euclidean Programme'. In *Proofs and Research Programmes: Lakatos at 100*, edited by R. Frigg, J. Alexander, L. Hudetz, M. Redei, L. Ross, and J. Worrall. Springer (Synthese Library 498). pp.47–67 (approximately 10,000 words).
<https://doi.org/10.1007/978-3-031-88213-5>
3. Wrigley, W. (2022), 'Gödel's Disjunctive Argument'. *Philosophia Mathematica* 30.3: 306–342 (approximately 20,000 words). First published online 2022:
<https://doi.org/10.1093/philmat/nkac013>
2. Wrigley, W. (2022), 'Gödelian Platonism and Mathematical Intuition'. *The European Journal of Philosophy* 30.2: 578–600 (approximately 16,000 words). First published online 2021: <https://doi.org/10.1111/ejop.12671>
 Wiley has certified that this was amongst the most downloaded articles of 2021 in *The European Journal of Philosophy* in the twelve months following its publication.
1. Wrigley, W. (2018), 'Sider's Ontologese Introduction Instructions'. *Theoria* 84.4: 295–308 (approximately 6,500 words). First published online 2018:
<https://doi.org/10.1111/theo.12153>

Book Reviews

2. Wrigley, W. (2026), Review of *The Great Math War* by Jason Socrates Bardi. *The Mathematical Gazette* (approximately 1,500 words).
1. Wrigley, W. (2025), Review of *Syllogistic Logic and Mathematical Proof* by Paolo Mancosu and Massimo Mugnai. *The Mathematical Gazette* 109.547: 185–187 (approximately 1,500 words). First published online 2025:
<https://doi.org/10.1017/mag.2025.44>

Public Engagement

3. Wrigley, W. (2024), 'Gödel and the Nature of the Mind'. *Institute of Art and Ideas* (approximately 1,800 words). Available at: https://iai.tv/articles/godel-and-the-nature-of-the-mind-auid-2891?_auid=2020
2. Wrigley, W. (2024), 'The Euclidean Programme'. *LSE Philosophy Blog* (approximately 2,000 words). Available at: <https://www.lse.ac.uk/philosophy/blog/2024/01/31/the-euclidean-programme/>
1. Wrigley, W. (2022), 'Infinite Reasoning and Arithmetical Undecidability'. *The Reasoner* 16.7: 64–65 (approximately 1,100 words). Available online at www.thereasoner.org/

In Preparation

2. Arana, A., H. Burnett and W. Wrigley, 'Artificial Intelligence and Normative Discourse on Mathematics'. Journal article in preparation.
1. Hamkins, J.D. and W. Wrigley, 'Parallels of Cantor in the Gödelian Anti-Mechanism Debate'. Journal article in preparation.

Talks & Presentations

21. 2026 - *Foundationalism and the Axioms of Mathematics*. Philosophy of Science and Formal Epistemology seminar, University of Technology, Nuremberg.
20. 2026 - *Russell's Analogy between Mathematics and the Sciences*. Serious Metaphysics Group, Cambridge.
19. 2026 - *Is True Artificial Intelligence Mathematically Impossible?* University College London Mathematics Society.
18. 2025 - *Inductivism in Mathematics*. Philosophy of Mathematics Seminar, Archives Henri-Poincaré, Nancy.
17. 2025 - *Indefinite Extensibility and Intensionality*. Michael Dummett Centenary Conference, Oxford.
16. 2025 - *Gödel's Theorems and Artificial Intelligence*. LSE Mathematics Society, London School of Economics.
15. 2024 - *The Dangers of Thinking Illogically*. Invited lecture for the UK Financial Conduct Authority.
14. 2024 - *Indefinite Extensibility, Platonism, and Classical Logic*. Theoretical Philosophy Seminar, University of Bergen.
13. 2023 - *Gödelian Platonism and Mathematical Intuition*. Gödel and Kant on Mathematics and Physics Conference, University of Tübingen.
12. 2023 - *Lakatos on Euclidean and Quasi-Empirical Theories in Mathematics*. Lunchtime with a Philosopher series, London School of Economics.
11. 2023 - *The Axiomatic Method and the Dialogical Account of Deduction*. Lakatos Award Expert Workshop, London School of Economics.

10. 2023 - *Absolutely Undecidable Arithmetical Propositions*. Philosophy of Mathematics Seminar, Oxford.
9. 2022 - *Lakatos on the Euclidean Programme* (with A.C. Paseau). Lakatos Centenary Conference, London School of Economics.
8. 2022 - *The Euclidean Programme in the Philosophy of Mathematics*. LSE Philosophy Society, London School of Economics.
7. 2022 - *Incompleteness*. A series of research-led presentations (sixteen hours total) for the LMU Munich Philosophy Summer Academy.
6. 2022 - Response to *Purity of Formal Proofs* by Robin Martinot. 15th Annual Cambridge Graduate Conference on the Philosophy of Mathematics and Logic.
5. 2020 - Response to *The Modal Logic of Branching Infinity* by Ethan Brauer. 13th Annual Cambridge Graduate Conference on the Philosophy of Mathematics and Logic.
4. 2019 - *Is the Concept Natural Number Vague?* Serious Metaphysics Group, Cambridge.
3. 2018 - *Absolutely Undecidable Arithmetical Propositions*. Joint Session of the Aristotelian Society and Mind Association, Oxford.
2. 2017 - *Sider's Ontologese Introduction Instructions*. Serious Metaphysics Group, Cambridge.
1. 2016 - *Sider's Ontologese Introduction Instructions*. Arché Graduate Conference, St Andrews.

Conference Organisation & Support

Academic mentor providing research feedback and career guidance for students contributing to the *Lakatos' Undone Work* graduate conference. LSE (2020).

Senior Organizer for the 11th Annual Cambridge Graduate Conference on the Philosophy of Mathematics and Logic (2018).

Junior Organizer for the 10th Annual Cambridge Graduate Conference on the Philosophy of Mathematics and Logic (2017).

Teaching Experience and Awards

I have more than 1,000 hours of teaching experience, including lectures, classes, seminars and tutorials, and the supervision of graduate students at all levels. In 2024, my advanced logic course received an average student rating of 4.8/5, my intermediate logic course had an average rating of 4.6/5, my introductory logic course had an average rating of 4.2/5, and my epistemology course had an average rating of 4.5/5. In 2023, and again in 2024, I received an *Excellence in Education* award from the LSE in recognition of the quality of my teaching. In 2025 I received an additional contribution-based award from the LSE's Academic Staff Rewards Committee.

Lectures

Epistemology. A 10-hour undergraduate lecture course introducing central topics in both classical and formal epistemology (LSE, 2024–25).

Introduction to Logic. A 15-hour undergraduate lecture course covering propositional and first-order logic (LSE, 2023–24 and 2024–25).

Intermediate Logic & Probability. A 15-hour undergraduate lecture course covering selected topics in logic and an introduction to probability (LSE 2022–23 and 2023–24).

Advanced Logic. A 15-hour lecture course introducing advanced undergraduates and graduate students to the metatheory of first-order logic, the incompleteness theorems, and non-classical logics (LSE, 2022–23, 2023–24, and 2024–25).

Set Theory. A 15-hour lecture course introducing advanced undergraduates and graduate students to set theory and related philosophical issues (LSE, 2022–23).

Elements of Deductive Logic. An 8-hour undergraduate course covering the metatheory of propositional logic (Oxford, 2019–20 and 2020–21).

Theories. A 4-hour undergraduate course covering the elementary properties of axiomatic theories, and the Frege–Hilbert controversy (Cambridge, 2017–18 and 2018–19).

Undergraduate Classes, Seminars, and Reading Groups

LSE: Introduction to Logic; Intermediate Logic; Advanced Logic; Set Theory.

University of Oxford: Introduction to Logic; Elements of Deductive Logic; Philosophical Logic.

University of Cambridge: Logic (first-year); Logic (second-year).

Undergraduate Tutorials and Supervisions

LSE: Undergraduate Dissertation.

University of Oxford: General Philosophy (first-year); Frege’s *Grundlagen* (first-year); Turing on Computing Machinery and Intelligence (first-year); Knowledge & Reality (finals); Philosophy of Logic & Language (finals); Philosophy of Mathematics (finals).

University of Cambridge: Metaphysics and Philosophy of Mind (first-year); Metaphysics and Epistemology (second-year); Metaphysics (third-year); Logic (first- and second-year); Philosophical Logic (third-year); Mathematical Logic (third-year); Wittgenstein (third-year); Dissertation (third-year).

Graduate Teaching

Advanced Logic. A 15-hour taught seminar series on metatheory, incompleteness, and non-classical logics (LSE 2022–2023 and 2022–2023).

Set Theory. A 15-hour taught seminar series on set theory (LSE 2022–2023).

Realism and Indeterminacy. A 16-hour student-led seminar on topics at the intersection of metaphysics and logic (Oxford 2021).

Philosophy of Mathematics. A 16-hour research-led seminar, co-taught with Joel David Hamkins (Oxford 2020).

Graduate Supervision: Regular supervision of Master's students at Oxford and the LSE. At Oxford I was also co-supervisor (with A.C. Paseau) of one doctoral student, who successfully graduated.

Professional Service

Examinations & Assessment

Examiner, LSE. Duties include developing a new format for logic exams at the school, setting exam questions, marking examination scripts, and moderating the work of other examiners (2019, 2022–2025).

Graduate Assessor, LSE. Duties include marking master's-level coursework and theses (2022–2025).

Examinations setter and marker, Oxford. Duties include primary and shared responsibility for setting and marking exam papers related to logic and philosophy of mathematics, as well as attendance at associated meetings (2020–2022).

Graduate Assessor, Oxford. Duties include assessing master's-level coursework and theses, and arranging and conducting transfer and confirmation of status interviews for doctoral candidates (2020–2022).

Pastoral & Admissions

Academic Mentor, LSE. Duties include academic oversight of, and pastoral responsibility for, 27 undergraduate philosophy students (2022–2025).

Organizing Tutor for Joint Schools Philosophy, Wadham College, Oxford. Duties included organizing the philosophy tuition and college exams of students reading Philosophy with Modern Languages, Mathematics, and Physics, as well as organising the annual admissions process in these subjects (2020–2021).

Tutorial Board member, Wadham College, Oxford. This body meets nine times per year to discuss teaching and student-related issues in the College (2020–2021).

Director of Studies in Philosophy, St John's College, Cambridge. Duties included organising the admission of undergraduates applying for Philosophy, administrative and pastoral responsibility for undergraduates reading Philosophy, the organisation of social occasions, and overseeing small grant applications (2019).

Undergraduate Admissions Interviewer. Wadham College, Oxford (2020, 2021); The Queen's College, Oxford (2021), St Catherine's College, Oxford (2021), St John's College, Cambridge (2017, 2019).

Other

Media Experience. I have professional and academic camera-facing media experience, having been interviewed for a promotional video at the LSE and for the forthcoming documentary film *Beyond Turing*.

Student Recruitment and Outreach. I have undertaken various small activities in this area, such as helping with open days and recruitment events for prospective students.

Peer Reviewing. I regularly act as a peer reviewer for both general philosophy journals (such as *Mind* and *Synthese*) and specialist journals (such as *Studies in History and Philosophy of Science* and *Philosophia Mathematica*).

Development of course material for the paper *Philosophical Topics in Logic and Probability* at Oxford (2022), and the paper *Logic* at Cambridge (2017).

Editorial Assistant for Alex Paseau, preparing *Critical Concepts in Philosophy: Philosophy of Mathematics*. Duties included preparation of electronic versions of more than eighty extracts, chapters, and articles, as well as making suggestions on the material included and giving feedback on the editor's introduction (2015).

Referees

Prof. Alexander Paseau

Professor of Mathematical Philosophy, University of Oxford.

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Prof. Tim Button

Professor of Philosophy & Logic, University College London.

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Prof. Joel David Hamkins

O'Hara Professor of Philosophy and Mathematics, University of Notre Dame.

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Prof. Miklós Rédei [Teaching-focused referee]

Professor of Philosophy, London School of Economics and Political Science.

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