

Dominic Ryder

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Areas of Specialisation

philosophy of physics, philosophy of science, formal social epistemology

Areas of Competence

philosophy of probability, philosophy of sex, sexuality and gender, epistemology, logic & set theory

Education

2022-2026 (expected)	MPhil/PhD London School of Economics and Political Science 'Hawking radiation, idealized: modelling and idealization in quantum field theory on black hole spacetimes' Supervisors (Primary / Secondary): Prof. Bryan Roberts / Prof. Miklós Rédei	
2025	Visiting Fellow UC Irvine, Department of Logic and Philosophy and Science	
2024-2025	Visiting Research Scholar University of Pittsburgh, History and Philosophy of Science Department	
2021-2022	MASt University of Cambridge Mathematical Tripos Part III	Honours: Merit
2016-2020	MSci University of Bristol Physics and Philosophy	Honours - First Class Honours

Publications

Published

'The Black Hole Idealization Paradox' (*forthcoming in the **British Journal for the Philosophy of Science***)

Currently under revise and resubmit

'Is Black Hole Evaporation Prediction Friendly?' (*under revision for **Philosophy of Science***) - draft available on request

Invited to Contribute

'Quantum Field Theory and the Standard Model' with Michael Miller (to be written for a Comprehensive Philosophy of Science collected volume)

Awards

2024	LSE Philosophy Department Class Teacher Award
2022	London Arts and Humanities Partnership Scholarship
2024	London Arts and Humanities Partnership Research Extension Award (awarded to undertake research period in Pittsburgh)
2022	Girton College Cambridge, M T Meyer Scholarship Award
2020	University of Bristol Physics Master's Project Commendation

Teaching

At London School of Economics and Political Sciences

2026	'Intermediate Logic' - Graduate teaching assistant & guest lecturer
2025	'Introduction to Logic'

- Graduate teaching assistant & guest lecturer
- 2024 'Physics and Uncertainty'
- Graduate teaching assistant
- 2023 'Einstein for Everyone'
- Graduate teaching assistant & guest lecturer

Other teaching

- 2023 Black Hole Thermodynamics - Online for Golden Wedding of Black Holes and Thermodynamics pre-conference mini-course (6 lectures)
- Co-lecturer & co-organiser
- 2021 Physics and Philosophy Tutor, Self-Employed

Talks

^ = invited contribution

* = peer reviewed contribution

'Is Black Hole Evaporation Prediction Friendly?'

- 2025 *Foundations of Physics 2025 Gdansk
- 2025 ^Midwest Philosophy of Physics Meeting Notre Dame, US
- 2025 *Philosophy of Logic, Mathematics, and Physics Graduate Conference London, Canada
- 2025 *European Philosophy of Science Association 2025 (*poster*) Groningen
- 2025 ^Irvine Philosophy of Physics Reading Group Irvine
- 2024 *Philosophy of Science Association 2024 New Orleans

'De-idealizing Black Hole Evaporation: A Case Study in the Large Scale Structure of De-idealization'

- 2025 ^UCSD Philosophy of Physics Reading Group San Diego
- 2025 ^Oxford Philosophy of Physics Graduate Seminar Oxford
- 2025 ^Utrecht Philosophy of Astronomy & Cosmology Colloquium Utrecht

'We Don't Know What We Don't Know: Dawid's no-alternatives argument and alternatives to string theory'

- 2025 *Berkeley-London Graduate Conference Berkeley

'The Black Hole Idealization Paradox'

- 2024 *Philosophy of Quantum Gravity; DPG Annual Meeting Berlin
- 2024 *4th ILMPS Conference and Workshop in Philosophy and Foundations of Physics London, UK
- 2024 ^Harvard Black Hole Initiative Foundations Seminar (*physics*) Harvard (Online)
- 2024 ^São Paulo Quantum Field Theory in Curved Spacetime Journal Club (*physics*) São Paulo (Online)
- 2023 ^Golden Wedding of Black Holes and Thermodynamics (*physics*) São Paulo (Online)
- 2023 ^Cosmology and Quantum Gravity Beyond Spacetime London, Canada
- 2023 ^Bristol Philosophy of Physics Seminar Bristol

'Is the Hawking Effect the Unruh Effect?'

- 2024 Pittsburgh Philosophy of Physics Reading Group Pittsburgh
- 2024 *British Society for the Philosophy of Science Annual Conference (*Symposium*) York

'Is Masculinity Harming Quantum Gravity Research?'

- 2024 *First Feminist Philosophy of Physics Workshop Michigan

‘Time Without Entropy: Does Gravity Solve the Problem of the Arrow of Time?’ (previously ‘Directed Temporal Asymmetry from Scale Invariant Dynamics: Is the Problem of Time’s Arrow Solved?’)

2023	^British Society for the Philosophy of Science Annual Conference (<i>Symposium</i>)	Bristol
2023	*Foundations of Physics 2023 (<i>poster</i>)	Bristol
2023	*Open Topics in Philosophy of Physics	Lisbon
2023	*4th Lisbon International Conference on Philosophy of Science	Lisbon
2023	*First International Colloquium Emergence and Time	Braga
2022	*BBLOC Graduate Conference in the Philosophy of Physics	London, UK

Further Conference and Symposium Participation

2025	Seven Pines Symposium (<i>physics</i>)	Stillwater, MN
2022	International Summer Institute in Philosophy of Physics on the Philosophy of Cosmology and Philosophy of Quantum Gravity	Morzine

Public Talks

2024	‘What is Sexual Desire?’, Lunchtime with a Philosopher	London, UK
2023	‘Whence the Arrow of Time?’, Seven of Clubs	London, UK

Service

Journals refereed on behalf of: **Philosophy of Science, Foundations of Physics, European Journal for the Philosophy of Science**

Organisation and Responsibility

2023-	Co-organiser of LSE-Cambridge Philosophy of Physics Bootcamp
2023-	Co-founder and co-organiser of London Philosophy of Sex and Sexuality reading group
2023-	MAP (Minorities and Philosophy) mentor
2019-2020	President of Physics and Philosophy Society, Bristol

Master’s Projects

2021-2022	Cambridge Part III Essay Supervisor: Prof. Jeremy Butterfield ‘The Hole Argument and Gauge Equivalence in General Relativity: An Account, and Partial Defence, of Einstein Algebras’
2019-2020	Master’s Philosophy Project Supervisor: Dr. Karim Thébault ‘Directed Temporal Asymmetry from Scale-Invariant Dynamics: Is the Problem of Time’s Arrow Solved?’
2019-2020	Master’s Physics Project Supervisor: Prof. Sandu Popescu ‘On Angular Momentum Conservation in the Aharonov-Bohm Effect’

References Available Upon Request