

# Dominic Ryder

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Department of Philosophy, Logic and  
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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

## 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 Prof. Michael Miller (*to be written for an Elsevier **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 Science

- 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
	<b>Other teaching</b>
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
2022-23	High School Mathematics 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 ( <i>poster</i> )	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	^Sigma Club	London
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
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### ‘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 ( <i>physics</i> )	Harvard (Online)
2024	^São Paulo Quantum Field Theory in Curved Spacetime Journal Club ( <i>physics</i> )	São Paulo (Online)
2023	^Golden Wedding of Black Holes and Thermodynamics ( <i>physics</i> )	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 ( <i>Symposium</i> )	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?')

2025 ^Philosophical Foundations of Thermodynamics Workshop Viña del Mar  
2023 ^British Society for the Philosophy of Science Annual Conference (*Symposium*) Bristol  
2023 \*Foundations of Physics 2023 (*poster*) 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 (*physics*) 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