


# Lucas Dunlap

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<b>Areas of Specialization</b>	Philosophy of Physics, Philosophy of Science, Metaphysics
<b>Areas of Competence</b>	Logic, Philosophy of Technology, Ethics

## Academic Positions

### University of Cincinnati - Department of Philosophy

Assistant Professor Educator	2022-present
Visiting Assistant Professor	2021-2022
Adjunct Assistant Professor and Visiting Scholar	2018-2021

### The Ohio State University - Department of Philosophy

Senior Lecturer	2019-2020
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### University of Maryland - Department of Biology

Adjunct Assistant Professor	2016-2020
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### University of Pennsylvania - Critical Writing Program

Lecturer	2017-2018
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### University of Western Ontario - Rotman Institute of Philosophy

Postdoctoral Research Fellow	2015-2017
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## Education

### PhD (Philosophy), University of Maryland

2009-2015

*Dissertation:* Deutsch's Closed Timelike Curve Model and its Implications for the Foundations of Quantum Theory

*Dissertation Committee:* Jeffrey Bub (supervisor), Allen Stairs, Mathias Frisch, James Mattingly, Eric Pacuit

### MA (Philosophical Foundations of Physics), Columbia University

2007-2009

### BA (Honors in Philosophy), Trinity College, Hartford Connecticut

2002-2006

## Publications

### Papers

Jacquart, M. and **Dunlap, L.** "Doing Public Engagement as a Philosopher of Science" in preparation for *Philosophy of Science: A User's Guide*. Currie, A. and Veigl, S. (eds.) MIT Press.

**Dunlap, L.** "Is the Information-Theoretic Interpretation of Quantum Mechanics an Ontic Structural Realist View?" *Studies in the History and Philosophy of Science*. Volume 91 (2022), pages 41-48.

**Dunlap, L.,** Corris, A., Jacquart, M., Biener, Z., Potochnik, A. "Divergence of Values and Goals in Participatory Research" *Studies in the History and Philosophy of Science*. Volume 88 (2021), pages 284-291.

**Dunlap, L.** "Would the Existence of a Closed Timelike Curve Allow for Nonlocal Signaling?" *Erkenntnis* Volume 84, Issue 1 (2019), pages 215-234.

Koberinski, A., **Dunlap, L.,** and Harper, W. "Do the EPR Correlations Pose a Problem for Causal Decision Theory?" *Synthese* Volume 196, Issue 9 (2019), pages 3711-3722.

**Dunlap, L.** "The Metaphysics of D-CTCs: On the Underlying Assumptions of Deutsch's Quantum Solution to the Paradoxes of Time Travel" *Studies in History and Philosophy of Modern Physics*. Volume 56 (2016), pages 39-47.

**Dunlap, L.** "On the Common Structure of the Primitive Ontology Approach and the Information-Theoretic Interpretation of Quantum Theory" *Topoi*. Volume 34, Issue 2 (2015), pages 359-367.

### **Editorial**

**Dunlap, L.** (ed.) *Information Theoretic Interpretations of Quantum Mechanics*. Special issue of *Studies in History and Philosophy of Modern Physics*. Volume 72 (2020), pages 251-321.

## **Conferences and Talks**

### **Conference Presentations:**

"The Role of Intrinsic Randomness in the Information-Theoretic Interpretation of Quantum Mechanics" **Quantum Indeterminacy Workshop**, Dartmouth College, July 2019.

"Naturalized Metaphysics and Fundamental Physics" **Canadian Society for the History and Philosophy of Science Annual Conference**, Ryerson University, Toronto, May 2017.

"The Information-Theoretic Interpretation of Quantum Mechanics & Ontic Structural Realism" **25th Biennial Meeting of the Philosophy of Science Association**, Atlanta, November 2016.

"The Information-Theoretic Interpretation of Quantum Mechanics & Ontic Structural Realism" **Second Annual Conference of the Society for the Metaphysics of Science**, University of Geneva, Switzerland, September 2016.

"Psi-Ontology vs. Psi-Epistemology: Wavefunction Realism in the Quantum Information Context" **Fourth International Summer School in Philosophy of Physics**, Saig, Germany, July 2016.

"The Information-Theoretic Interpretation of Quantum Mechanics & Ontic Structural Realism" **Foundations 2016: The 18th UK and European Conference on Foundations of Physics**, London School of Economics, London, July 2016.

"Deutsch's Quantum CTC Model and its Metaphysics of Non-Everettian Parallel Worlds" *Poster*. **Fifth Conference of the European Philosophy of Science Association**, Düsseldorf Center for Logic and Philosophy of Science at Heinrich Heine University, Düsseldorf, September 2015.

"The Metaphysics of D-CTCs: On the Underlying Assumptions of Deutsch's Quantum Solution to the Paradoxes of Time Travel" **First Annual Conference of the Society for the Metaphysics of Science**, Rutgers University, New Brunswick, September 2015.

"The Metaphysics of D-CTCs: On the Underlying Assumptions of Deutsch's Quantum Solution to the Paradoxes of Time Travel" **Philosophy of Logic, Mathematics, and Physics Graduate Conference**, University of Western Ontario, June 2015.

"Would the Existence of CTCs Allow for Nonlocal Signaling?" **Quantum Computation, Quantum Information, and the Exact Sciences**, Munich Center for Mathematical Philosophy, Ludwig-Maximilians-Universität München, January, 2015.

"Does the Existence of a CTC Allow for Superluminal Signaling?" **Philosophy of Logic, Mathematics, and Physics Graduate Conference**, University of Western Ontario, May 2013.

### **Invited Talks:**

"Explanation by Constraint in Quantum Information Theory" **Department of Philosophy, University of Cincinnati**, April 2021.

"A Hierarchy of Scientific Claims: Of A Theory, About A Theory, About Theories" **Department of Philosophy & Religion Colloquium, Missouri Western State University**, March 2019

"The Metaphysics of D-CTCs: On the Underlying Assumptions of Deutsch's Quantum Solution to the Paradoxes of Time Travel" **Department of Philosophy, KU Leuven**, September 2016.

"Some Philosophical Considerations about D-CTCs and the Consistency Condition" **Quantum Mechanics Seen Through Closed Timelike Curves**, Fondation des Treilles FR, June 2013.

### **Commentary:**

Commentary on "The Multi-Field Interpretation of Quantum Mechanics" by Mario Hubert and Davide Romano. **Third Annual Conference of the Society for the Metaphysics of Science**, Fordham University, New York, October 2017.

## **Workshops**

<b>Integrating Statistics Into Your Philosophy Syllabus</b> Minnesota Center for Philosophy of Science, MN	Aug 2023
<b>Quantum Indeterminacy Workshop</b> Dartmouth College, NH	July 2019
<b>Grounding in the Quantum World</b> University of Neuchâtel, CH	September 2016
<b>XIX International Summer School in Philosophy of Physics</b> Urbino, IT	September 2016
<b>Fourth International Summer School in Philosophy of Physics</b> Black Forest, Saig, DE	July 2016
<b>European Summer School in Logic, Language, and Information</b> University of Copenhagen, Copenhagen DK	August 2010

## Institutional Service

Philosophy Department Speaker Series Organizer	2023-2024
Philosophy Department Head Search Committee Member	2022
Director of Undergraduate Studies, Department of Philosophy	Fall 2022 (Interim)
Undergraduate Heads' Council	Fall 2022 (Interim)
Undergraduate Affairs Committee, Department of Philosophy	2021-present

## Journal Referee

 [publons.com/a/1223980](https://publons.com/a/1223980)

<i>The British Journal for the Philosophy of Science</i>	<i>Studies in History and Philosophy Science</i>
<i>Philosophy of Science</i>	<i>Minds and Machines</i>
<i>Synthese</i>	<i>Philosophy Compass</i>
<i>European Journal for Philosophy of Science</i>	<i>International Studies in Philosophy of Science</i>
<i>Studies in History and Philosophy of Modern Physics</i>	<i>Analytic Philosophy</i>
<i>Erkenntnis</i>	<i>The Physics Teacher</i>

## Professional Memberships

American Philosophical Association (Eastern Division)	2016-present
Philosophy of Science Association	2010-present
European Philosophy of Science Association	2015-present
Society for the Metaphysics of Science	2015-present

## Conference Organization

<b><i>Fifth Annual Conference of the Society for the Metaphysics of Science</i></b> University of Toronto, CA	November 2019 Program Committee
<b><i>MCMP-UWO Workshop on Computation in Scientific Theory and Practice</i></b> Munich Center for Mathematical Philosophy, LMU Munich, DE	May 2019 Program Committee
<b><i>Information-Theoretic Interpretations of Quantum Mechanics</i></b> University of Western Ontario, CA	June 2016 Co-organizer
<b><i>New Directions in the Foundations of Physics</i></b> Washington DC	2011-2015 Assistant Organizer

## Grants, Scholarships, and Awards

<b>A&amp;S Course Release Award</b> Release from one course to develop video content for online teaching	2022
<b>Most Valuable Professor Award</b> University of Maryland Academic Support & Career Development	2016
<b>SSHRC Connection Grant (Co-applicant)</b> \$22,786 towards <i>Information-Theoretic Interpretation of QM</i> workshop	2016
<b>Goldhaber Conference Travel Award</b> University of Maryland, Graduate School	2015
<b>NSF Doctoral Dissertation Research Improvement Grant</b> National Science Foundation Award Number 1431229	2014

## Teaching Experience

### **University of Cincinnati**

Formal Methods (grad seminar)	Fall 2022
David Lewis - Analytic Phil. (grad seminar)	Spring 2022
Philosophical Logic (grad seminar)	Fall 2020 (online)
Intro to Theory of Knowledge	Fall 2020 (online), Fall 2018
How Science Works	S19-S22 (online), F22
Intro to Logic	F22, S22, F21, S21, F20 (all online)
Symbolic Logic	Spring 2019
Intro to Ethics (online)	Spring 2019

### **Ohio State University**

Introduction to Engineering Ethics	Fall 2019 (x3), Spring 2020 (x2)
Symbolic Logic	Spring 2020

### **University of Pennsylvania** *Critical Writing Program*

Physics and Free Will	Fall 2017, Spring 2018
Time Travel	Fall 2017 (x2), Spring 2018 (x2)

### **University of Maryland**

#### *Courses Taught:*

Philosophy & Time Travel (online, full 15-week format)	F20, F19, F18, F17, F16, S16, F14
Introduction to Philosophy	Spring 2015
Philosophy & Time Travel (online, 6-week format)	Summer 2012, 2013, 2015
Contemporary Moral Issues (online, 6-week format)	Summer 2011

## Professional Development

### **Pedagogical Training**

Integrating Statistics Into Your Philosophy Syllabus	2023
UC Online Adult Learner Institute	2021
American Association of Philosophy Teachers workshop	2016

## Public Outreach and Media

### **Work as UC Center for Public Engagement with Science's Video and Media Producer:**

<b>UC Sustainability Awards Video and Livestream</b>	2023
Producer, Camera, Video Editor	
<b>Bioethics with Bigger Impact Video Series</b>	2023
Video Editor	
<b>Community Partnership for Sustainability <u>Video Series</u></b>	2022
Video Editor	
<b>Sustainability Highlights <u>Video Series</u></b>	2022
Writer, Director, Producer, Video Editor	
<b>The Maternal Imprint: Interview with Sarah S. Richardson</b>	2021
Video Editor	

***UC Workshop on Public Engagement with Science Video Series*** 2021  
Producer, Video Editor

***Other Media and Public Outreach:***

**Guest Panelist - Philosophy of Science** 2022  
BA9090 Doctoral Seminar, Lindner College of Business

**Blog of the APA: Course Spotlight Series** 2016  
*Philosophy & Time Travel: Interview with LD*

**Rotman Institute Blog** 2016  
*Time Travel SciFi and Philosophy*

**Rotman Institute Blog** 2016  
*Postdoctoral Fellow Interview with LD*

**Einstein Philosopher/Scientist Museum Exhibit** 2015  
*Living Book: Einstein and Quantum Mechanics, Content Author*

**Rotman Institute Blog Post and Western News** 2015  
*Dice Capades: Einstein and Quantum Mechanics*