Laura Ruetsche

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Education

1989-1995 PhD in Philosophy, University of Pittsburgh
thesis: "On the Verge of Collapse: Modal Interpretations of Quantum Mechanics" (John Earman, director)

1987-1989 BPhil, with distinction, in Philosophy, Oxford University
thesis: "Time Passages: Being and Becoming in Plato's *Timeaus*" (J.L. Ackrill, director)

1987-1989 BA, *summa cum laude*, in physics and philosophy, classical Greek minor, Carleton College

Areas of specialization/competence

Philosophy of Physics, Philosophy of Science, Feminist Epistemology/ Plato, Logic

Appointments

2017-present Louis E. Loeb Collegiate Professor of Philosophy, University of Michigan
2008-2017 Professor of Philosophy, University of Michigan
2003-2008 Associate Professor of Philosophy, with a secondary appointment to History and Philosophy of Science, University of Pittsburgh
1996-2003 Assistant Professor of Philosophy, with a secondary appointment to History and Philosophy of Science, University of Pittsburgh
1995-1996 Assistant Professor of Philosophy, Middlebury College
1994-1995 Instructor of Philosophy, Middlebury College

2000-2001 Visiting Assistant Professor of Philosophy, Rutgers University
Spring 1999 Visiting Assistant Professor of Philosophy, Cornell University

Postgraduate recognitions

2025	Third Place (Novice Division), Inaugural Wolf-Moose Foundation Annual Photo Contest
2024-present	Fellow, American Association for the Advancement of Science
2020-present	Fellow, American Academy of Arts and Sciences
2023	O'Hara Lecturer in Philosophy of Physics, University of Washington
Spring 2022	Cowling Distinguished Visiting Professor, Carleton College
2021	Tamara Horowitz Memorial Lecturer, University of Pittsburgh
2019	Wesley Salmon Memorial Lecturer, University of Pittsburgh
2018-present	Fellow, Michigan Society of Fellows
2017	Michigan Humanities Award
2017	Benjamin Meaker Visiting Fellowship, University of Bristol
2013	Lakatos Award for *Interpreting Quantum Theories*
2006-2007	Fellow, Stanford Center for the the Advanced Study of the Behavioral Sciences
2002-2003	Charles A. Ryskamp Fellowship (administered by the American Council of Learned Societies)
2000	University of Pittsburgh Faculty Honor Roll (teaching award)

Writing

Books

2026a *The Physics of Ignorance: Representation, Realism, and "the" Renormalization Group* (Oxford University Press)

2011a *Interpreting Quantum Theories: The Art of the Possible* (Oxford University Press). Co-recipient of the 2013 Lakatos Award

Articles and Book Chapters

forthcoming "Interpretational Problems of Quantum Field Theory," *Compendio de Filosofia da Mecanica Quantica*, Raoni Arroyo and Jonas Arenhardt (eds) (Coleção CLE) [in Portuguese]

2026b "A Matter of Scale," *Philosophy of Science*. DOI: https://doi.org/10.1017/psa.2025.10132

2024a "The Perils of Approximate Ontology," *Synthese 204*: 122. DOI: https://doi.org/10.1007/s11229-024-04777-8

2024b "The miracles argument meets quantum mechanics: Toward a locavore philosophy of physics" *Theoria. An International Journal for Theory, History and Foundations of Science 39(2)*: 245-261. DOI: https://doi.org/10.1387/theoria.24976

2023a "UnBorn: Probability in Bohmian Mechanics," *Philosophy of Physics 1*: 1. DOI: https://doi.org/10.31389/pop.24

2023b "The History of Future Science: Perennial and Pragmatic Approaches," in Holly Anderson and Sandra Mitchell (eds.), *Pragmatic Approaches to Philosophy of Science* (Oxford University Press), 180-208

2022 "Locality in Quantum Field Theory," in Eleanor Knox and Alistair Wilson (eds.), *Routledge Companion to Philosophy of Physics*: 311-322

2021a "Virtue and Contingent History: Engineering Science," in Thomas Stapleford and Emanuele Ratti (eds.), *Virtue, Technology, and the Good Life* (Oxford University Press), 161-177

2021b "More deleterious than ignorance: when the concrete is hard," Symposium on Mark Wilson's *Physics Avoidance*, *Philosophy and Phenomenological Research 103*: 481-487

2020a "What's it like to be a woman in philosophy (of physics)?" in Sharon Crasnow and Kristen Intemann (eds.), *Routledge Handbook of Feminist Philosophy of Science*: 397-408

2020b "Perturbing Realism," in Stephen French and Juha Saatsi (eds.), *Scientific Realism and the Quantum* (Oxford University Press): 293-314

2020c (with John Earman), "Quantum Mechanics as a Theory of States," in Meir Hemmo and Orly Shenkar (eds.), *Quantum, Probability, Logic* (Springer): 257-283

2018a "Renormalization group realism: The ascent of pessimism," *Philosophy of Science 85*: 1176-1189

2018b "Getting Real about Quantum Mechanics," in Juha Saatsi (ed.), *Routledge Handbook of Scientific Realism*: 291-303

2016 "Physics and Method," in Herman Cappelen, Tamar Szabó Gendler, and John Hawthorne (eds.), *The Oxford Handbook of Philosophical Methodology*: 465-485

2015 "*The Shaky Game* + 25, or: On Locavoracity," *Synthese 192*: 3425-3442

2014a "QM_∞," in Lawrence Sklar (ed.), *Physical Theory: Interpretation and Method* (Oxford University Press): 229 - 268

2014b "On interpreting quantum theories," *Michigan Philosophy News*: 6-9

2013 "Unitary Equivalence and Physical Equivalence," in Robert Batterman (ed.), *Oxford Handbook of Philosophy of Physics*: 489-521

2012a (with John Earman), "Infinitely challenging: Pitowsky's subjective interpretation and QM_∞," in Yemima Ben-Menahme and Meir Hemmo (eds.), *Probability in Physics* (Springer): 219-232

2012bc "Philosophical Aspects of Quantum Field Theory. I and II," *Philosophy Compass 7*: 559-570; 571-584

2011a (with John Earman), "Probabilities in Quantum Field Theory and Quantum Statistical Mechanics," in Claus Beisbart and Stephan Hartmann (eds.), *Probabilities in Physics* (Oxford University Press): 263-290

2011b "Why be Normal?" *Studies in the History and Philosophy of Modern Physics 42*: 107-115

2010 "The Maximal Beable Program in Quantum Field Theory," in C. Glymour, W. Wang, and D. Westerstahl (eds.), *Proceedings of the 13th International Congress of Logic, Methodology, and Philosophy of Science* (London: King's College): 390-407

2006a "Johnny' s So Long at the Ferromagnet," *Philosophy of Science 73*: 473-486

2006b "Philosophy of Physics" in Sahotra Sarkar (ed.) *The Philosophy of Science: an Encyclopedia* (Routledge)

2006cd "String Theory" and "John Earman," in D. Borchert (ed.) *Encyclopedia of Philosophy*, 2nd edition (MacMillan)

2005 (with John Earman), "Relativistic Invariance and Modal Interpretations," *Philosophy of Science 72*: 557-583

2004a "Intrinsically Mixed States: an Appreciation," *Studies in the History and Philosophy of Modern Physics 35*: 221-239

2004b "Virtue and Contingent History: Possibilities for Feminist Epistemology," *Hypatia 19* (Special Issue: Feminism and Science, Lynn Hankinson-Nelson and Alison Wylie (eds.)): 73-101

2003a (with Aristidis Arageorgis and John Earman), "Fulling Non-uniqueness, Rindler Quanta, and the Unruh Effect: A Primer on Some Aspects of Quantum Field Theory," *Philosophy of Science 70*: 164-2002

2003b "A Matter of Degree: Putting Unitary Inequivalence to Work," *Philosophy of Science 70*: 1329-1342

2003c "Modal Semantics, Modal Dynamics, and the Problem of State Preparation," *International Studies in the Philosophy of Science 17*: 25-41

2002a (with Quill Kukla), "Contingent Natures and Virtuous Knowers: Could Epistemology be 'Gendered'?" *Canadian Journal of Philosophy 32*: 389-418

2002b "Interpreting Quantum Field Theory," *Philosophy of Science 69*: 348-378

2002c "Interpreting Quantum Theories," in Peter Machamer and Michael Silberstein (eds.), *The Blackwell Guide to the Philosophy of Science*: 199-226

2002d (with Aristidis Arageorgis and John Earman), "Weyling the Time Away: the Non-Unitary Implementability of Quantum Field Dynamics on Curved Spacetime and the Algebraic Approach to QFT," *Studies in the History and Philosophy of Modern Physics 33*: 151-184

2000a "Toward the Pale: Smolin and the Limits of Science," in Martin Carrier, Gerald Massey, and Laura Ruetsche (eds.), *Science at the End of the Century: Prospects and Limits of Science* (University of

Pittsburgh Press): 61-75

1999a (with Rob Clifton), "Changing the Subject: Redei on Causal Dependence and Screening Off in Relativistic Quantum Field Theory," *Philosophy of Science 66*: S156-S169

1999b (with Gordon Belot and John Earman), "Anatomy of a Controversy: the Hawking Information Loss Paradox," *British Journal for the Philosophy of Science 50*: 189-229

1998a "How Close is Close Enough?" in Dennis Dieks and Pieter Vermaas (eds.), *The Modal Interpretation of Quantum Mechanics* (Kluwer): 223-240

1996 "Van Fraassen on Preparation and Measurement," *Philosophy of Science 63*: S338-S346

1995 "Measurement Error and the Albert-Loewer Problem," *Foundations of Physics Letters 8*: 331-348

Book Reviews

2004c *Ontological Aspects of Quantum Field Theory*, edited by Meinard Kuhlman, Holger Lyre, and Andrew Wayne, *International Studies in the Philosophy of Science 18*: 98-101

2004d *Gender and Boyle's Law of Gasses*, by Elizabeth Potter, *Hypatia 19*: 297-302

2001 *Epistemic Cultures*, by Karen Knorr-Cetina, *Metascience 10*: 85-90

2000b *Interpreting Bodies: Classical and Quantum Objects in Modern Physics*, edited by Elena Castellani, *Studies in the History and Philosophy of Modern Physics*: 413-17

1998b *Interpreting the Quantum World*, by Jeffrey Bub, *British Journal for the Philosophy of Science 49*: 637-641

Edited volumes

2018 Co-editor, *Synthese* special issue: *Infinite Idealizations in Science*

2000 Editor, with Martin Carrier and Gerald Massey, *Science at the End of the Century: Prospects and Limits of Science* (Pittsburgh)

1993 Contributing editor, *The Collected Papers of Albert Einstein*, vol. 5 (Princeton)

Presenting

2026 "Unborn," Ohio State Quantum Foundations Workshop

"Epistemology Quantized," Philosophy of Physics Society Conference (Irvine, CA)

"Stranger in a Strange Landau," Princeton University Workshop in Philosophy of Physics

2025 “Aims, Contents, Attitudes"

- University of Illinois-Chicago Consortium for Quantum Theory at the Extremes
- National University of Singapore Philosophy of Physics Conference

“That’s Entertainment! Pragmatism and the Interpretation of Physical Theories," Ohio State University Philosophy of Science Working Group

“Scale Invaders"

- Workshop on Foundations of Quantum Field Theory (University of Pittsburgh)
- Tricontinental Quantum Fundamentals Seminar, Queensland, Australia (online)

2024 “That’s Entertainment! Pragmatism and the Interpretation of Physical Theories," Pragmatic Approaches to Philosophy of Science Workshop (London, Ontario)

“Engineering Science," UC-Davis Department Colloquium

"A Matter of Scale"

- Philosophy of Science Association Meeting (New Orleans)
- UC-Davis Foundations of Physics Working Group

“Can There be Feminist Philosophy of Physics?" First Feminist Philosophy of Physics Workshop (Ann Arbor, MI)

2023 “UnBorn Again," Southern California Philosophy of Physics Colloquium (Irvine, CA)

“The Perils of Approximate Ontology," Pacific APA (San Francisco)

“Getting Real about Quantum Mechanics," O’Hara Lecture, University of Washington

2022 “UnBorn," Philosophy of Science Association Meeting (Pittsburgh)

“The Miracles Argument Meets Quantum Mechanics"

- (virtual) International Workshop on Quantum Theory and Reality (Sao Paolo, Brazil)
- Public Lecture, Carleton College (Northfield, MN)

“What’s it Like to be a Woman in Philosophy of Physics?", Carleton-St Olaf Faculty Seminar (Northfield, MN)

“Quantum Mechanics and Structure," Author Meets Critics, Jill North’s *Physics, Structure, and Reality*, APA Eastern (virtual)

2021 "(Epistemic) Justice and Engineering Science," Tamara Horowitz Memorial Lecture, University of Pittsburgh

pandemic CANCELLED!: presentations at Harvard's Black Hole Initiative, Berlin's Max Planck Institute for the History of Science, the Milan philosophy of physics cooperative, The Chapel Hill Colloquium, and the Constructing Quantum Theories Workshop (University of Washington)

2020 "The Physics of Ignorance," Stanford University Philosophy Department

2019 "When the Concrete is Hard," Workshop on Mark Wilson's *Physics Avoidance* (Pittsburgh)

"Thoroughly Modern Zeno," Wes Salmon Memorial Lecture, University of Pittsburgh

"Are Pions Real?"

- Philosophy Mountain Workshop (Lake Tahoe, CA)
- Conference on the Foundations of QFT (University of Western Ontario)

"Additivity Principles for Quantum Probabilities," History and Philosophy of Quantum Field Theory Workshop (Pittsburgh)

2018 "Additivity Principles for Quantum Probabilities"

- PanHellenic Philosophy Conference (Athens, Greece)
- Philosophy of Probability Workshop (University of Washington)

Lecturer, XXIst Urbino (Italy) International Summer School in the Philosophy of Physics

"Virtue and Contingent History: Concrescing the Epistemology of Science," Conference on Virtue, Technology, and the Good Life (Notre Dame)

"Why Philosophers (Should) Care About Black Holes," The Black Hole Initiative (Harvard)

"Perturbing Realism"

- University of California-Berkeley Department of Philosophy
- Columbia-Rutgers Workshop on the Metaphysics of Science

" 'Naturalistic' " Metaphysics and the Interpretation of Quantum Theories," Duke University

2017 "The History of Future Science: Pragmatic and Perennial Approaches to the Philosophy of Science"

- Prag Apps Conference (Pittsburgh)
- University of Bristol (UK) Philosophy Department

"Effecting Empiricism"

- Philosophy of Science Association Conference (Atlanta)
- Beyond Spacetime Project (University of Illinois-Chicago)
- University of Bergen (Norway)

2016 "Renormalization Group Realism: An Unduly Skeptical Review," Workshop on QFT (Leeds, UK)

"The Problem of Parochial Observables Revisited," Field Theories Workshop (Pittsburgh)

"If quantum mechanics were true, we'd have no reason to believe it –and other problems for scientific realism," Franklin and Marshall College (Lancaster, PA)

2015 "Effective theories and ineffective interpretations"

- MIT Department of Linguistics and Philosophy
- Conference on Science and Metaphysics (Paris)

"What is it like to be a Woman in Philosophy of Physics?"

- University of California-Los Angeles Philosophy Department
- Bogenfest (Pittsburgh)

"The unrationalized effectiveness of non-fundamental physics," University of California-Irvine Logic and Philosophy of Science Department

2014 "What is it like to be a Woman in Philosophy of Physics?" Eastern Michigan University

"Developing the Scientific Image: The Quantum Darkroom," Lakatos Prize Address (London School of Economics)

"The unrationalized effectiveness of non-fundamental physics," Lakatos Award Conference on Philosophy of Physics (LSE)

"'Naturalistic' Metaphysics and the Interpretation of Quantum Theories"

- Conference on Metaphysics within and without Physics (University of Western Ontario)
- keynote address, annual meeting of the British Society for the Philosophy of Science (Cambridge)

"Warming up to the thermal time hypothesis," Time and the Quantum Conference (Pittsburgh)

"If quantum mechanics were true, we'd have no reason to believe it – and other problems for scientific realism," Keynote Address, St. Louis University Undergraduate Philosophy Conference

2013 "Joe's intestines," Remarks at a memorial colloquium for Joe Camp (Pittsburgh)

"If quantum mechanics were true, we'd have no reason to believe it – and other problems for scientific realism," Fort Lewis College Philosophy Club (Durango, CO)

Chairs' Roundtable participant and "Pockets of Progress" Panel Discussion Leader, Diversity in Philosophy Conference (Dayton, OH)

"Metaphysics and Methodology: Naturalist and Locavore Approaches to Interpreting Physical Theories"

- Structure in Physics Conference (Rutgers University)
- Workshop on Ontology and Methodology (Virginia Tech University)
- Ohio University Lecture in Philosophy of Science
- Keynote Talk, Northern Illinois University Graduate Student Conference

2012 Mini-course in Foundations of QFT, Notre Dame

"Reply to commentators," Book Bash for Belot' s *Geometric Possibility* and Ruetsche's *Interpreting Quantum Theories* (University of Western Ontario)

"Locavore Philosophy of Science," Symposium on Arthur Fine's *The Shaky Game* at 25, Pacific APA

2011 "Take it to the (thermodynamic) limit," Workshop on Emergence and Effective Field Theories, Perimeter Institute (Waterloo, Ontario)

"Realism and the interpretation of quantum theories," Keynote address, University of Colorado Philosophy of Science Conference

"Symmetry and Physical Equivalence," Princeton Philosophy Department

"The limits of representation," Boston Colloquium in the Philosophy of Science

2010 "Realism and the interpretation of quantum theories," University of Wisconsin-Milwaukee Philosophy Department

2009 "Why be Normal?" Conference on QFT (University of Western Ontario)

2008 "Probabilities in QFT and the Thermodynamic Limit of QSM," Conference on the Probable and the Improbable: The Meaning and Role of Probability in the Foundations of Contemporary Physics (Jerusalem)

"Interpreting QM_∞ ," New Directions in the Foundations of Physics VII (College Park, MD)

2007 "The Maximal Beable Program in Quantum Field Theory," 13th International Congress of Logic, Methodology, and Philosophy of Science (Beijing)

"Some Ado About Nothing," UCLA Philosophy Department

"Aristotle, the Forgotten Feminist," Occidental College Philosophy Department (Los Angeles, CA)

"The Secret Lives of Electrons," Stanford Center for the Advanced Study of the Behavioral Sciences

2006 "Some Ado About Nothing," University of Washington Philosophy Department

2005 "Why Quantum Mechanics Disturbed Einstein"

- Ever Since Einstein Conference (Pittsburgh)
- Physics Department, University of Wisconsin-Whitewater

"Microphysics and Emergence," the First Abdera International Forum in the History and Philosophy of Physics (Abdera, Thrace)

"Necessity, Contingency, and the Content of Physical Theories," Metaphysical Society of America Meeting (Pittsburgh)

2004 "Johnny's So Long at the Ferromagnet," Philosophy of Science Association Meeting (Austin)

"Realism about What?" Pittsburgh Center for the Philosophy of Science Annual Lecture Series

2003 "The Unruh Effect without Rindler Quanta," Conference on Foundations of Physics (University of Western Ontario)

"A rough guide to intrinsically mixed states," Rob Clifton Memorial Conference (College Park, MD)

"Equilibrium and its Micro-analysis," Author Meets Critics: Sunny Auyang's *How is quantum field theory possible?*, Pacific APA

"A Matter of Degree: Putting Unitary Inequivalence to Work," Philosophy of Science Association Conference (Milwaukee)

2002 "A Matter of Degree: Putting Unitary Inequivalence to Work"

- lunchtime talk, Pittsburgh Center for the Philosophy of Science
- Conference on New Directions in the Foundations of Physics (College Park, MD)

"Good Science, Better Science: How Gender Might Matter," Clarion University Celebration of Women in Science (Clarion, PA)

2001 "Gender and the Epistemic Dimension of Scientific Inquiry," Conference on Science and Society, Carleton University (Ottawa, ON)

"In Space, No One Can Hear You Steam: Rindler Quanta, Hawking Radiation and the Interpretation of Quantum Field Theory"

- Columbia University Philosophy of Science Study Group
- Conference in Honor of Arthur Fine (Chicago)

"Semantics and Dynamics, Preparation and Measurement"

- Yale Philosophy Department
- Barnard College Philosophy Department

2000 (with Quill Kukla) "Can Epistemology be Gendered?" Tamara Horowitz Memorial Session, Eastern APA

"In Space, No One Can Hear You Steam: Rindler Quanta, Hawking Radiation and the Interpretation of Quantum Field Theory"

- University of California-Irvine and University of California-San Diego joint colloquium
- Rutgers University Philosophy

"Interpreting Quantum Field Theory"

- Bar-Hillel Colloquium for the History, Philosophy and Sociology of Science (Jerusalem)
- lunchtime talk, Pittsburgh Center for the Philosophy of Science

1999 "The Hawking Information Loss Paradox and Spacetime Structure," Fifth International Conference on the History and Foundations of General Relativity (Notre Dame)

"Virtue and Contingent History: Aristotelian and Feminist Epistemologies of Science," Cornell University Philosophy Department

1998 "Three Spheres for Realism"

- University of Kansas Philosophy Department
- University of Bowling Green Philosophy Department

"Changing the Subject: Redei on Causal Dependence and Screening off in Relativistic Quantum Field Theory," Philosophy of Science Association Conference (Kansas City, MO)

"Consilliness: the Convergence of Three Crazy Ideas in Quantum Cosmology," Conference (in honor of David Sipfle) on Freedom, Time and Physics (Carleton College, Northfield, MN)

Comments on Tim Maudlin's"Descrying the World in a Wave Function," conference on Quantum Mechanics and Metaphysics (Rutgers)

1997 "Becoming Disciplinarian; Becoming Interdisciplinarian," Panelist, Society for Literature and Science Conference (Pittsburgh)

"Smolin and Rescher on the Limits of Science," Fourth Pittsburgh-Konstanz Colloquium on the Philosophy of Science (Pittsburgh)

"Virtue and Contingent History: Aristotelian and Feminist Epistemologies of Science"

- University of Western Ontario Philosophy Department
- University of Michigan Philosophy Department

"The Miracles Argument Meets Quantum Mechanics," University of Toledo Philosophy Department

1996 "Explaining the Gender Gap in Science," Colgate University Center for Women's Studies

"The Miracles Argument Meets Quantum Mechanics," SUNY-Albany Philosophy Department

"Van Fraassen on Preparation and Measurement," Philosophy of Science Association Conference (Cleveland)

"How Close is Close Enough?" Modal Interpretations Conference (Utrecht)

1994 "When Many Minds are Not Enough," Pittsburgh Center for the Philosophy of Science lunchtime talk

Teaching

Courses

Carleton *undergraduate:* Philosophy of Quantum Mechanics

UM *Graduate seminars*: The Physics of Ignorance, Proseminar, Doing Good Science, Plato's *Timaeus*, Foundations of QFT, Philosophy of Physics for Philosophers, Quantum Mechanics and Realism

graduate/advanced undergraduate: Philosophy of Quantum Mechanics, Science and Gender, Introduction to Philosophy of Science

undergraduate: Honors Thesis Seminar, Ancient Philosophy, Worldviews of Modern Science, Mathematical Logic, Honors Introduction to Logic, "Computer Assisted" Introduction to Logic

Pitt *Graduate seminars*: Core Seminar in Philosophy of Science, Philosophy of Quantum Mechanics, Experiment and Practice, Philosophy of Physics, Carnap and Reichenbach, Feminist Science Studies, Plato's *Timaeus* and Aristotle's *Physics*

Undergraduate: Philosophy of the Physical Sciences, Theory of Knowledge, Gender and Science, 20th Century Analytic Philosophy, Philosophy for Engineers, Introduction to Philosophy of Sci-

ence, Introduction to Logic, Introduction to Ethics, Introduction to Philosophical Problems

Rutgers *Graduate seminars*: Philosophy of Quantum Mechanics

undergraduate: Philosophical Issues in Feminism, Contemporary Movements in Philosophy, Introduction to Philosophy

Cornell *graduate/advanced undergraduate*: Plato, Philosophy of Physics

Middlebury *undergraduate*: Intermediate Logic, Philosophy of Science, Philosophy of Quantum Mechanics, Gender & Science, Philosophy of Language, Philosophy of Mind, Modern Philosophy, Zeno's Paradoxes (First Year Seminar), Introduction to Logic

Dissertation Committees

UM *Director*: Francisco Calderon; Valerie Trudel; *Co-director*: Josh Hunt (defended 6/22; post-doc at MIT; tenure track job at Syracuse), Chip Sebens (defended 4/15; tenure track job at Caltech)

Committee Member: Caroline Sullivan (comparative literature), Alejo Stark (comparative literature, defended 7/24), Robert Saskowski (physics, defended 3/23), Ben Sheff (physics, defended 3/22), Noah Steinberg (physics, defended 11/21), Sydney Keough (defended 12/19), Eli Lichtenstein (defended 9/19); Dan Peterson (defended 6/13), Lina Jansson (defended 6/11), Kevin Coffey (defended 7/10), Amanda Roth (defended 5/10)

Pitt *Director*: Arthur Cunningham (Philosophy, defended 10/10; tenured at St. Olaf College), Greg Frost-Arnold (HPS, defended 4/06, tenured at Hobart and William Smith College)

Committee Member: Mike Miller (HPS, defended 4/17); Elay Shech (HPS, defended 3/15); Leif Hancox-Li (HPS, defended 3/15); Bryan Roberts (HPS, defended 5/12); Karen Frost-Arnold (Philosophy, defended 9/08), Chris Wüthrich (HPS, defended 7/06), Doreen Fraser (HPS, defended 4/06), Ari Duwell (HPS, defended 8/04), Kevin Davey (Philosophy, defended 10/03), Wendy Parker (HPS, defended 8/03), Chris Smeenk (HPS, defended 8/03), Chris Martin (HPS, defended 2/02), Hans Halvorson (Philosophy, defended 3/01), Elizabeth Paris (HPS, defended 4/99)

Ohio State *External Examiner*: Anand Ekbote

Pitt *External Examiner*: Kabir Singh

Louvain *External Examiner*: Daniele Pizzocaro

UWO *External Examiner*: Dmitrios Athanasiou (defended 3/22)

Leeds *External Examiner*: James Fraser (defended 9/16)

Princeton *External Examiner*: Dave Baker (defended 8/08)

Notre Dame *External Examiner*: Peter Bokulich (defended 11/02)

Serving (major roles)

Departmental

UM
Acting Department Chair: 2024-2025
DEI 2.0 Lead: 2024-2025
Department Chair: 2011-2014
Director of Graduate Studies: 2018-2019
Faculty Search Committee Chair: 2010-2011; 2021 (joint with DAAS)
Climate and Diversity Office; MAP Liaison: 2015-2019
Teaching Mentor (for 2 assistant professors): March 2016-June 2023
Ombudsman: 2010- 2011; 2016-2017
Admissions Committee: 2008-2009; 2015-2016; 2020-2021

Harvard
Senior Faculty Associate, Black Hole Initiative: 2016-present

Pitt
Center for the Philosophy of Science
Associate Director: 1997-2000, 2005-2006
Annual Lecture Series Committee: 1998-1999, 2002

Philosophy Department: Director of Graduate Studies, 2003-2008

Pittsburgh History and Philosophy of Science Department (secondary appointment): Regular participation in graduate admissions, graduate student evaluation, comprehensive examinations, hiring and curricular planning (1996-2008)

Institutional

UM
Advance STRIDE Committee: 2015- 2021
Provost's Council on Student Honors: 2008-2014

Pitt
Arts and Sciences Planning and Budgeting Committee: 2003-2005
Provost's Area Planning and Budget Committee: 2003-2006

Conference Organization

2026
Program Committee: Philosophy of Physics Association Conference

2025
Organizing Committee: Larry Sklar, a Celebration of Work

2024
Organizing Committee: Feminist Philosophy of Physics Movement Workshop

Spring 2020
Co-convener: Skylonda Salon in Philosophy of Physics (fortnightly graduate student/early career scholar works-in-progress Zoom workshop, with participants from UC-Irvine, Michigan, Rutgers, Princeton, and U Washington)

2019
Organizing Committee: Early Career Workshop in History and Philosophy of Physics

2016-present
Faculty Liaison: Compass at Michigan: A Workshop for Students Considering Graduate School in Philosophy

2015
Program Committee: European Philosophy of Science Association Annual Conference

2011
Organizing Committee: Larryfest, a conference in honor of Larry Sklar

2008
Organizing committee: Symmetry in Physics
Program Committee: Philosophy of Science Association Meetings

2006 Organizer: Camp Out! A conference in honor of Joe Camp on the occasion of his retirement
2005 Organizing committee: Einstein: A Centenary Celebration

Philosophy of Science Association

2016-2018 Governing Board
2016 Chair, Lecture and Awards Committee
2010-2012 Women's Caucus Prize Committee
2006-2008 Governing Board
2006 Women's Caucus Steering Committee
2002-2004 Nominations Committee
2004 Graduate Student Prize Committee

Journals

2023-present International Advisory Board, *Principia: an international journal of epistemology*
2021-present Editorial Board, *Philosophy of Physics*
2016-present Editorial Board, *Springer Briefs in Physics*
2013-present Editorial Board, *Springer Briefs in Philosophy of Physics*
2012-present Editorial Board, *Philosophy of Science*
Editorial Board, *Metascience*
2016-2020 Editor, *Foundations of Physics*
2009-2012 Associate Editor, *Philosophy of Science*
2003-2020 Editorial Board, *Studies in the History and Philosophy of Modern Physics*

Grabbag

Member of external review committees for 4 philosophy programs
External letter writer for $>$ 45 promotion cases
Member of State Selection Committees for the Rhodes Scholarship in Ohio (1990, 1992), Kentucky (1993), New Hampshire (1994, 1995), and Pennsylvania (1997-1999, 2001) and of the Selection Committee for the Great Lakes District (1992), District II (1996), and District IX (2005)