

Angela Potochnik

Professor

Department of Philosophy

University of Cincinnati

ORCID 0000-0002-0448-591X

angelapotochnik.com

UCEngagingScience.org

angela.potochnik@uc.edu

ACADEMIC EXPERTISE

Specializations: Philosophy of Science, Philosophy of Biology, History of Logical Empiricism

Competencies: History of Analytic Philosophy, Logic, Metaphysics, Epistemology

ACADEMIC APPOINTMENTS

University of Cincinnati

Professor of Philosophy, 2020 - present

Head of the Philosophy Department, 2023 - present

Inaugural Director of Center for Public Engagement with Science, 2017 - present

Affiliated Faculty, Women's, Gender, and Sexuality Studies, 2012 - present

Associate Professor of Philosophy, 2013 - 2020

Assistant Professor of Philosophy, 2010 - 2013

Oklahoma State University

Assistant Professor of Philosophy, 2008 - 2010

EDUCATION

Stanford University: Philosophy, MA 2004, PhD 2007

Dissertation: *Evolution, Explanation, and Unity of Science*

Advisors: Elliott Sober and Michael Friedman

Committee Members: Helen Longino and Peter Godfrey-Smith

University Chair: Marcus Feldman (Biology)

Hendrix College: Philosophy, BA 2002

Honors in Philosophy, *Summa cum Laude*

SELECTED GRANTS, FELLOWSHIPS, AND AWARDS

PI, National Science Foundation, Innovations in Graduate Education DGE-2224857, "Engaging Science: Transforming Graduate Education through Public Engagement with Science," Co-PIs Melissa Jacquart, Carlie Trott, Brooke Crowley, Nathan Morehouse (\$499,999), 2022-2025

Research Fellowship, "Science and the Public," Charles Taft Research Center, University of Cincinnati, 2022-2023

Elected Fellow of the Graduate School, University of Cincinnati, 2022

Office of Research Research2030 Funding, Center for Public Engagement with Science sustainability initiative (\$95,000), 2021-2023

Co-PI, National Science Foundation, Conference Award SES-1946951, "Public Engagement and Philosophy of Science," PI Melissa Jacquart (\$34,522), 2020

Taft Research Center Conference Award, "Public Engagement with Science" (\$5,380), 2020

Center for Public Engagement with Science: College Structures award (\$5,000), 2019

Rising Star Award, University of Cincinnati College of Arts and Sciences, 2017

Runner Up for the Dean's Award for Teaching Excellence, UC College of Arts and Sciences, 2017

Planning Committee, NEH Next Generation PhD Planning Grant, to enhance pathways from humanities PhDs to non-academic professions, University of Cincinnati, 2016-2017

Research Fellowship, "Idealization and the Aims of Science," Charles Taft Research Center, University of Cincinnati, 2013-2014

Marjorie Grene Prize, biannual award for the best graduate student manuscript from a meeting of the International Society for History, Philosophy and Social Studies of Biology, 2011-2013

Visiting Research Fellowship, Michelle R. Clayman Institute for Gender Research, Stanford University, 2010-2011

President's Medal, awarded to the senior "best exemplifying the highest ideals of the college," Hendrix College, 2002

R.G. Shoemaker Award, awarded to the outstanding graduating senior in philosophy, Hendrix College, 2002

BOOKS

Science and the Public, Elements in Philosophy of Science, Cambridge University Press, in press.

Recipes for Science: An Introduction to Scientific Methods and Reasoning, with Matteo Colombo and Cory Wright, Routledge, 2018. 2nd edition in press, expected December 2023.

Reviewed in *Science & Education* (Peter Kosso)

Idealization and the Aims of Science, University of Chicago Press, 2017. Paperback released 2020.

Reviewed in *New Scientist* (Philip Ball), *Biology & Philosophy* (Adrian Currie), *Philosophy of Science* (Daniel Burnston), *The Year's Work in Critical and Cultural Theory: Science and Medicine* (Sherryl Vint), *Notre Dame Philosophical Reviews* (Gregory J. Morgan), *Science & Education* (Kevin McCain), *Metascience* (N. Emrah Aydinonat), *History and Philosophy of the Life Sciences* (Frederico Boem), *Meta* (Nicholas Danne)

SPECIAL ISSUES AND SERIES

Editor-in-Chief, with Melissa Jacquart, *Elements in Public Engagement with Science*, Cambridge University Press, 2022-2025.

Editor, Proceedings of the 2021 Biennial Meeting of the Philosophy of Science Association. Part II: Symposia. *Philosophy of Science*, Vol. 89, No. 5 (December 2022).

Editor, Proceedings of the 2021 Biennial Meeting of the Philosophy of Science Association. Part I: Contributed Papers. *Philosophy of Science*, Vol. 88, No. 5 (December 2021).

Editor, Socially Engaged Philosophy of Science, special issue of *Erkenntnis*, 2014, 79(5): 901-1017.

ARTICLES AND CHAPTERS

"Antireductionism Has Outgrown Levels," in Alastair Wilson and Katie Robertson (Eds.), *Levels of Explanation*, Oxford University Press. Forthcoming.

"Theorizing Participatory Research," with Andrew Evans, in Emily Anderson (Ed.), *Ethical Issues in Stakeholder-Engaged Health Research*, Springer. Forthcoming. Second author.

"Truth and Reality: How to Be a Scientific Realist Without Believing Scientific Theories Are True," in Insa Lawler, Kareem Khalifa and Elay Shech (Eds.), *Scientific Understanding and Representation: Modeling in the Physical Sciences*, Routledge, 2022.

"Divergence of Values and Goals in Participatory Research," with Lucas Dunlap, Amanda Corris, Melissa Jacquart, Zvi Biener, in a special issue of *Studies in History and Philosophy of Science*, "Values and Pluralism in the Environmental Sciences," Zachary Piso and Viorel Paslaru (Eds.), 2021, 88: 284-291. Equal authorship.

"Our World Isn't Organized into Levels," in Daniel S. Brooks, James DiFrisco, and William C. Wimsatt (Eds.), *Levels of Organization in the Biological Sciences*, Boston: MIT Press, 2021.

"Idealization and Many Aims," *Philosophy of Science*, Symposium Proceedings PSA2018, 2020, 87: 933-943.

"What Constitutes an Explanation in Biology?," in *Philosophy of Science for Biologists*, Kostas Kampourakis and Thomas Uller (Eds.), Cambridge University Press, 2020.

"Patterns in Cognitive Phenomena and Pluralism of Explanatory Styles," with Guilherme Sanches de Oliveira, in a special topic of *Topics in Cognitive Science*, "Levels of Explanation in Cognitive Science: From Molecules to Culture," Matteo Colombo and Markus Knauff (Eds.), 2020, 12 (4): 1306-1320. First author.

"Eight Other Questions about Explanation," in *Explanation Beyond Causation*, Alexander Reutlinger and Juha Saatsi (Eds.), Oxford University Press, 2018.

"Scientific Explanation: Putting Communication First," *Philosophy of Science*, Symposium Proceedings PSA2014, 2016, 83: 721-732.

"The Diverse Aims of Science," in a special issue of *Studies in History and Philosophy of Science*, 2015, 53: 71-80.

"Causal Patterns and Adequate Explanations," *Philosophical Studies*, 2015, 172(5): 1163-1182.

"Toward Philosophy of Science's Social Engagement," with Francis Cartieri, in a special issue of *Erkenntnis* on socially engaged philosophy of science, 2014, 79(5): 901-916.

"Biological Explanation," in Kostas Kampourakis (Ed.), *The Philosophy of Biology: A Companion for Educators*, vol. 1 of History, Philosophy and Theory of the Life Sciences, chapter 4, pages 49-65, Springer, 2013.

"Defusing Ideological Defenses in Biology," *BioScience*, 2013, 63(2): 118-123.

"Feminist Implications of Model-Based Science," *Studies in History and Philosophy of Science*, 2012, 43(2): 383-389.

"Modeling Social and Evolutionary Games," *Studies in History and Philosophy of Biological and Biomedical Sciences*, 2012, 43(1): 202-208.

"The Limitations of Hierarchical Thinking," with Brian McGill, *Philosophy of Science*, 2012, 79(1): 120-140. Primary authorship.

"A Neurathian Conception of the Unity of Science," *Erkenntnis*, 2011, 34(3): 305-319.

"Explanation and Understanding: An Alternative to Strevens' *Depth*," *The European Journal for the Philosophy of Science*, 2011, 1(1): 29-38.

"Explanatory Independence and Epistemic Interdependence: A Case Study of the Optimality Approach," *The British Journal for the Philosophy of Science*, 2010, 61(1): 213-233.

"Levels of Explanation Reconceived," *Philosophy of Science*, 2010, 77(1): 59-72.

"Optimality Modeling in a Suboptimal World," in a special issue of *Biology and Philosophy*, edited by Patrick Forber, 2009, 24(2): 183-197.

"Optimality Modeling and Explanatory Generality," *Philosophy of Science*, 2007, 74(5): 680-691.

"Revisiting Galison's 'Aufbau/Bauhaus' in Light of Neurath's Philosophical Projects," with Audrey Yap, *Studies in History and Philosophy of Science*, 2006, 37(3): 469-488. Equal authorship.

RESPONSES AND BOOK REVIEWS

Essay Review of Michela Massimi's *Perspectival Realism*, *The Philosophical Quarterly*, 2023.

"Different Ways to be a Realist: A Response to Pincock," in Insa Lawler, Kareem Khalifa & Elay Shech (Eds.), *Scientific Understanding and Representation: Modeling in the Physical Sciences*, Routledge, 2022.

Review of Catherine Elgin's *True Enough*, *Philosophical Review*, 2019, 128: 363-366.

"Mechanisms Are Causes, Not Components: A Response to Connolly, et al." with Brian J. McGill, *Trends in Ecology and Evolution*, 2018, 33: 304-305. Second author.

"A philosophical journey with some startling detours," A review of Paul Dicken's *Getting Science Wrong: Why the Philosophy of Science Matters in Physics Today*, 2018, 71(11):52.

Review of Helen Longino, *Studying Human Behavior: How Scientists Investigate Aggression and Sexuality* (University of Chicago Press, 2013), *Notre Dame Philosophical Reviews*, 2013.

Essay Review of Joan Roughgarden's *The Genial Gene*, in "Sex and Sensibility: The Role of Social Selection," Erika Milam, Roberta Millstein, Angela Potochnik, and Joan Roughgarden, *Metascience*, 2011, 20(2), 253-277.

WORK IN PROGRESS

Public Engagement with Science: Defining the Project, with Melissa Jacquart, Elements in Public Engagement with Science, Cambridge University Press. Under contract; under review.

A Guide for Academic Researchers Conducting Science Outreach, with Melissa Jacquart, Amanda Corris, Andrew Evans, Tim Elmo Feiten, Collin Lucken, Elements in Public Engagement with Science, Cambridge University Press. In preparation; under contract.

"Letting Go of Levels." Draft available.

"Why It Matters that Idealizations are False." Unpublished paper from 2020; available on PhilSci Archive.

INVITED PRESENTATIONS

"Where We Find Levels," Eastern APA, January 15, 2024

"Letting Go of Levels," Logic and Philosophy of Science Interest Group, Philosophy Department, University of Toronto, March 2023

"Biology Without Levels," Integrated Biology Program, University of Akron, February 2023 (delivered remotely)

"Truth and Reality: How to Be a Scientific Realist Without Believing Scientific Theories Are True," Joint Talk of Department of Philosophy and Department of History and Philosophy of Science, Indiana University, September 2022

"What Not to Expect from Theories," Keynote address, Workshop on 'What makes a good theory? Interdisciplinary perspectives', Lorentz Center, Leiden University, The Netherlands, June 2022 (delivered remotely)

Course Leader and talk, "Challenging Levels and Localism in Philosophy and Ecology," Bordeaux Summer School - Philosophy in Biology and Medicine, June 2022

"Truth and Reality: How to Be a Scientific Realist Without Believing Scientific Theories Are True," Keynote address, Rotman Graduate Student Conference, Western University, May 2022

"Antireductionism Has Outgrown Levels," Keynote address, Graduate Workshop on Complexity, University of Kentucky, April 2022

"Participation in Science," Department of Logic and Philosophy of Science, University of California Irvine, March 2022

"Idealization and the Aims of Science," Neuroscience & Philosophy Salon, Feb. 2022 (delivered remotely)

"It's All Relevant," Interdisciplinary Centre for Science and Technology Studies (IZWT), University of Wuppertal, Germany, Dec. 2021 (delivered remotely)

"Non-Factive Understanding and Scientific Progress," PhilSci India Winter School, Dec. 2021 (delivered remotely)

"It's All Relevant," Graduate Student Society for Philosophy of Science, Ohio State University, Oct. 2021

"Participation in Science," Department of Philosophy, University of Washington, Oct. 2021

"To Whom Does Science Belong?" Bioethics, Citizen Science, and Human Subject Protection Conference, Cincinnati Children's Hospital and Medical Center, Sept. 2021 (delivered remotely)

"It's All Relevant," Workshop on Understanding and Explanatory Relevance, University of Hamburg, June 2021 (delivered remotely)

"Truth and Reality: How to Be a Scientific Realist Without Believing Scientific Theories Are True," Philosophy of Physics Reading Group, Caltech, March 2021 (delivered remotely)

"A Non-Factive Epistemic Standard for Understanding and its Implications for Scientific Progress," Department of Philosophy, University of Groningen, March 2021 (delivered remotely)

"A Non-Factive Epistemic Standard for Understanding and Its Implications for Scientific Progress," Understanding Progress in Science & Beyond Workshop, University of Iceland, Oct. 2020 (delivered remotely)

"Why It Matters that Idealizations Are False," FRAMEPHYS Workshop on Idealization and Modeling, University of Birmingham, Oct. 2020 (delivered remotely)

"Divergence of Values and Goals in Participatory Research," with Melissa Jacquart, Workshop on doing science in a pluralistic society, University of Dayton, April 2020 (delivered remotely)

"How Misrepresentation Augments Understanding," Keynote address, 2nd Scientific Understanding and Representation (SURE) Workshop, Emory, Atlanta, GA, March 2020 (delivered remotely)

"Causal Complexity and Styles of Explanation," Complexity, Social Cognition, and Social Explanation Workshop, University of Cincinnati, Feb. 2020

"Why It Matters that Idealizations Are False," Department of Philosophy, University of Kentucky, Feb. 2020

"Causal Patterns and Styles of Explanation," Plenary lecture, Fundamentals of Modeling Workshop, Center for Interdisciplinary Research, University of Bielefeld, Nov. 2019

"Our World Isn't Organized into Levels," Workshop on compositional explanation in biology and the neurosciences, Rutgers-SHU, Oct. 2019

"Our World Isn't Organized into Levels," Department of Philosophy, University of Pennsylvania, Sept. 2019

"Why It Matters that Idealizations Are False," Workshop on idealization across the sciences, Prague, June 2019

"Idealization and Many Aims," Center for Philosophy of Science, University of Minnesota, April 2019

"What We're Talking About When We Talk About Levels," Committee on History and Philosophy in Science Distinguished Speaker, University of Colorado, Boulder, April 2019

"Causal Patterns and How Our Theories Change," Philosophy & Biology Series, University of Bordeaux, April 2019

"Causal Patterns and How Our Theories Change," keynote address, *Evolution Evolving* conference, Cambridge University, April 2019

"Explaining with Idealizations," Seminar on Epistemic Norms of Explanation, University of Bordeaux, Jan. 2019 (delivered remotely)

"What We're Talking About When We Talk About Levels," Department of History and Philosophy of Science, University of Pittsburgh, Sept. 2018

"Idealization and Understanding," Orange Beach Epistemology Workshop, May 2018

Author-meets-critics session on *Idealization and the Aims of Science*, with Catherine Elgin, Bradley Skow, and Michael Strevens, American Philosophical Association, Pacific Division Meeting, San Diego, March 2018

"Prizing Apart Levels Concepts," Altenberg Workshop on Hierarchy and Levels of Organization, Konrad Lorenz Institute for Evolution and Cognition Research, Vienna, March 2018

"Causal Patterns and Idealization in Biology," Department of Biology, University of Cincinnati, Nov. 2017

"Idealization and the Aims of Science," Bryn Mawr, Nov. 2017; Wake Forest University, Nov. 2017

"Explaining with Idealizations," University of Notre Dame, Oct. 2017; University of California, Davis, May 2017; University of Maryland, Feb. 2017

"Idealization and the Aims of Physics?," Department of Physics, University of Cincinnati, Sept. 2017

"How Idealizations Represent and Explain," University of Kansas, Dec. 2016

Author-meets-critics session on James Tabery's *Beyond Versus: The Struggle to Understand the Interaction of Nature and Nurture*, American Philosophical Association, Pacific Division Meeting, Vancouver, April 2015

"How Scientific Explanations Generate Understanding," Case Western Reserve, Feb. 2015

"Explaining with Idealizations," Modeling and Scientific Explanation Workshop, Jerusalem, June 2014

"Causal Patterns and Adequate Explanations," Indiana University, April 2014; Undergraduate Philosophy Club, Saint Louis University, Feb. 2014

"Science Isn't After the Truth," Missouri Philosophy of Science Workshop, University of Missouri, Oct., 2013

"Increasing Realism Without Getting Real," invited paper with commentary by Alyssa Bokulich and Quayshawn Spencer, American Philosophical Association, Pacific Division Meeting, San Francisco, March 2013

"Modeling Social and Evolutionary Games," Department of Biology, University of Cincinnati, April 2012

"Idealizing the Realizers," American Philosophical Association, Pacific Division Meeting, Group Program, April 2011

"Feminist Implications of Model-Based Science," Philosophy of Biology Lab Group, University of California, Davis, Feb. 2011

"The Limitations of Hierarchical Thinking," Department of Philosophy, Stanford University, Nov. 2010

"Modeling Social and Evolutionary Games," Philosophical Pizza Munch, California Academy of the Sciences, Oct. 2010

"Cooperation, Competition, and the Evolution of Sex," Undergraduate Philosophy Club, Oklahoma State University, Feb. 2010

"Explanation and Understanding," University of Cincinnati, Jan. 2010; University of Kentucky, Feb. 2010

"Science in a Complex World: Lessons from Biology," Steel Center Lecture, Hendrix College, March 2009

"Cooperation, Competition and the Evolution of Sex," Department of Philosophy, Hendrix College, March 2009

"Evolution and Contextual Explanation," University of Washington, Jan. 2009

"Philosophical Lessons from the Historical Sciences," School of Geology, Oklahoma State University, Sept. 2008; Undergraduate Philosophy Club, Oklahoma State University, Sept. 2008

"Situating the Optimality Approach in Population Biology," Department of Zoology, Oklahoma State University, Sept. 2008

"The Unity of Science in a Disordered, Dappled World," Departments of Philosophy at Syracuse University; University of California, Davis; University of Western Ontario; Florida State University; Oklahoma State University; and California State University, Long Beach; Jan. and Feb. 2008

"Evolution and the Unity of Science," Undergraduate Philosophy Association, Stanford University, Nov. 2005

"Another Kind of Unity: The Case of Evolutionary Modeling," Philosophical Pizza Munch, California Academy of the Sciences, October 2005

"Otto Neurath's Philosophy and Politics," with Audrey Yap, Undergraduate Philosophy Association, Stanford University, Oct. 2004

REFEREED PRESENTATIONS

"Equilibrium Explanations are Causal," in Symposium on Elliott Sober's Philosophy of Biology, International Society for the History, Philosophy, and Social Studies of Biology, University of Toronto, July 2023 (upcoming)

"What's to Gain by Letting Go of Levels," in Symposium "Science Without Levels," Philosophy of Science Association Biennial Meeting, Pittsburgh, Nov. 2022

"Our World Isn't Organized into Levels," Society for Philosophy of Science in Practice, Michigan State University, July 2020 (conference canceled due to COVID-19)

"Idealization and Many Aims," in Symposium "Understanding and the Aims of Science," Philosophy of Science Association Biennial Meeting, Seattle, Nov. 2018

"Causal Patterns and Actual Causes," in a session on "Modeling Real Patterns in Biology," International Society for the History, Philosophy, and Social Studies of Biology, University of Montreal, July 2015

"Putting Communication First," in a Symposium on Scientific Explanation: Communication, Representation, Objectivity, Philosophy of Science Association Biennial Meeting, Chicago, Nov. 2014

"Idealization and the Limits of Science," Models and Simulations in the Sciences: Perspectives from Philosophy, History, and Policy, University of Notre Dame, May 2014

"Science Isn't After the Truth," American Philosophical Association, Pacific Division Meeting, San Diego, April 2014

"Non-Causal Features of Causal Explanations," A Conference in Honor of Elliott Sober, University of Wisconsin, Madison, May 2013

"Defusing Ideological Defenses in Biology," Philosophy of Science Association Biennial Meeting, San Diego, Nov. 2012

"A Dispute over the Basics of Nature," part of a critical discussion of Roughgarden's *The Genial Gene*, International Society for the History, Philosophy, and Social Studies of Biology, University of Sydney, July 2009

"Optimality Explanation as Anti-Reductionism," International Society for the History, Philosophy, and Social Studies of Biology, University of Exeter, July 2007

"Generality, Complexity, and Approaches to Explanation," American Philosophical Association, Pacific Division Meeting, San Francisco, April 2007

"Optimality Modeling and Explanatory Generality," Philosophy of Science Association Biennial Meeting, University of British Columbia, Nov. 2006

"Optimality Modeling and Explanatory Generality," Southwest Colloquium in History and Philosophy of the Life Sciences, University of California, Davis, April 2006

"Another Kind of Unity: The Case of Evolutionary Modeling," International Society for the History, Philosophy, and Social Studies of Biology, University of Guelph, July 2005

"Another Kind of Unity: The Case of Evolutionary Modeling," Philosophy of Biology Workshop, Stirling University, May 2005

"A Shift in Wittgenstein's Position on Syntax," The International Society for the History of Philosophy of Science, University of San Francisco, June 2004

PUBLIC-FACING ACTIVITIES

Organizer, with Melissa Jacquart: "Pursuing Local Public Engagement as a Philosopher of Science," workshop at the biennial meeting of the Philosophy of Science Association, November 2022

Speaker, Science on Tap series, Urban Artifact, September 2022

Co-organizer, virtual workshop, "Public Engagement with Science and Philosophy of Science," with over 300 registrants, 2021 (postponed from 2020 and moved online due to Covid-19)

Co-organizer and interviewer for author conversations with Maya Goldenberg (on vaccine hesitancy) and Sarah Richardson (on the science of maternal-fetal effects) at the Mercantile Library, Cincinnati, 2020-2021

"Constructing an ideal reality: Truth and understanding in science," *IAI News*, September 24, 2020

"Awareness of Our Biases Is Essential to Good Science," *Scientific American*, August 9, 2020

"Toward a More Expansive Conception of Philosophy," guest post on *Daily Nous*, a blog on the philosophy profession, August 2020

Co-organizer, "Climate Change/Cincinnati" event series at the Mercantile Library, Cincinnati, August-October 2019; fully subscribed with over 300 participants

Participant, interdisciplinary workshop on teaching scientific strategies for critical thinking, Lawrence Berkeley National Labs, July 2019

"How philosophy of science relates to scientific practices," invited post for the BJPS blog *Auxiliary Hypotheses*, 2018

Participant, Beyond the Ivory Tower writing workshop, facilitated by James Ryerson, Editor, New York Times (competitive selection process), 2018

"Idealization and the Aims of Science," book event at the Mercantile Library, Cincinnati, April 2018

"Why Philosophy is a Good Introduction to Science," invited post for the APA blog *The Teaching Workshop*, 2017

Participant in The Op Ed Project (competitive selection process), 2015

TEACHING AND ADVISING

Graduate Courses

Hum/NSci/SocS 7000: Engaging Science Workshop (with Brooke Crowley)	2023
Phil 8060: Organization	2023
Hum/NSci 7030: Public Engagement with Science (with Melissa Jacquart)	2020
Phil 8060: Complexity	2018
Phil 7021: History of Logical Empiricism	2012, 2017, 2022
Phil 6041: Graduate Logic	2015, 2018
Phil 8060: Idealization in Science	2014
Phil 8060: Socially Engaged Philosophy of Science	2012
Phil 740: Philosophy and Evolutionary Biology	2011
Phil 239: Teaching Methods (Stanford University)	2007, 2008

Undergraduate Courses

Phil 1089/WGSS 1089: Sex and Death (online)	2019 - 2021
Phil 1032: How Science Works	2012, 2015, 2019
Phil 2010: Symbolic Logic	2014 - 2018
Hist/Phil 3096: Vienna and the Birth of Modern Culture (with Katherine Sorrels)	2017
Phil 123: Introduction to Logic	2011, 2012
Phil 336: Gender and Science	2011
Phil 212: Twentieth Century Philosophy	2011
Phil 1313: Logic and Critical Thinking (Oklahoma State University)	2008 - 2010
Phil 4990: History of Analytic Philosophy (Oklahoma State University)	2010
Phil 4733: Philosophy of Biology (Oklahoma State University)	2009
Phil 4983: Metaphysics and Epistemology (Oklahoma State University)	2009
Phil 4713: Philosophy of Science (Oklahoma State University)	2008
Phil 195A: Unity of Science (Stanford University)	2008
Phil 50: Introductory Logic (Stanford University)	2008

PhD Dissertation Chair

Zach Srivastava	
Collin Lucken: <i>Engineering Progress in Science</i>	
Mel Andrews: <i>The Math is Not the Territory: On the Uses & Abuses of Machine Learning & Other Mathematical Modelling Strategies</i>	
Jonathan Kanzelmeyer: <i>Complex Systems and Concepts of Emergence</i>	
Richard Stephenson	
Amanda Corris (Co-Chair with Tony Chemero): <i>Organism-Environment Codetermination: The Biological Roots of Enactivism</i>	PhD 2020
Guilherme Sanches de Oliveira: <i>Scientific Modeling Without Representationalism</i>	PhD 2019

PhD Committees

Zach Peck	
Tim Elmo Feiten: <i>Jakob von Uexküll's Concept of Umwelt as an Account of the Mental</i>	
Bradley Griggs: <i>Powerful Emergence</i>	
Andrew Evans: <i>Treatable Conditions: Boundaries for a Mental Health Ontology</i>	PhD 2023
Alex Huffman: <i>The Metaphysics and Semantics of Natural Kinds: A Case for Kind Nominalism</i>	
Frank Faries: <i>Big Data and the Integrated Sciences of the Mind</i>	PhD 2022
Sahar Heydari Fard: <i>The Morality of Social Movements</i>	PhD 2021
Matthew Baxendale (Central European University): <i>Levels of Organisation in Scientific Practice</i>	PhD 2018
Maurice Lamb: <i>Characteristics of Non-Reductive Explanations in Complex Dynamical Systems Research</i>	PhD 2015
Vanessa Bentley: <i>Building a Feminist Philosophy of Cognitive Neuroscience</i>	PhD 2015
Nina Atanasova: <i>Animal Models and the Unity of Neuroscience</i>	PhD 2014

Other Mentorship

Independent study on philosophy of astrobiology, PHIL 8098	2022
Philosophy cognate advisor, Anne Delfin, Music Theory PhD student	2021
Independent study on scientific methods, PHIL 8098	2021
PhD Qualifying Exam committees: Philosophy of Science (3)	2017, 2021
Teaching mentor: Introduction to Logic, Environmental Philosophy	2018, 2019
University Honors Program undergraduate summer internship mentor	2018, 2019

Philosophical writing graduate mentoring	2015, 2017
Vanessa Bentley, MA Thesis Co-advisor, Women's, Gender, and Sexuality Studies: <i>Establishing the case for discipline-specific feminist philosophy of science</i>	MA 2013
Independent study on feminist philosophy of science, WGSS 811	2012

Pedagogical Training

Participant in STEM Teaching and Learning Workshop: Hidden inequities in active learning	2017
Presentation on combatting implicit bias and stereotype threat in the classroom with Vanessa Carbonell, at a university-wide professional training workshop	2015
with Vanessa Carbonell, at UC's Annual Diversity Conference	2014
Participant in CET&L Showcasing Your Teaching workshop, University of Cincinnati	2012
Participant in CET&L Teaching Large Classes workshop, University of Cincinnati	2011

PROFESSIONAL AND SERVICE ACTIVITIES

Service to the Profession

Associate Editor, <i>Philosophy of Science</i>	2023 - present
Executive Office Liaison, Philosophy of Science Association	2020 - present
Editorial Board, <i>Studies in History and Philosophy of Science</i>	2023 - present
Editorial Board, <i>Biology and Philosophy</i>	2020 - present
Editorial Board, <i>Stanford Encyclopedia of Philosophy</i>	2018 - present
Consulting Editor, <i>Theoria</i>	2018 - present
Steering Committee, Scientific Understanding and Representation workshop series	2019 - present
Steering Committee, PhilInBioMed Network	2019 - present
Program Chair, Philosophy of Science Association Biennial Meeting 2020/2021	2019 - 2023
PSA's Underrepresented Philosophy of Science Scholars Program mentor	2020 - 2022
Invited comments on Lorenzo Spagnesi's "Regulative Idealization: A Kantian Approach to Idealized Models," North American Kant Society Virtual Meeting	2022
Program Committee, Eastern European Philosophy of Science Network Conference	2022
Associate Editor, <i>Biology and Philosophy</i>	2017 - 2020
Member of the PSA2018 Program Committee	2017 - 2019
Category Editor for PhilPapers (Models and Idealization)	2017 - 2019
Leaf Editor for PhilPapers (Unity of Science)	2010 - 2019
Member of the MS8 (Models and Simulations Conference) Program Committee	2017 - 2018
Invited speaker at the Early Career Development Workshop, ISHPSSB conference in Montreal	2015
Invited Comments on Woodward's talk at a conference in honor of Hausman, UW Madison	2015
Organizer of "Explanation: Communication, Representation, Objectivity" Symposium, Philosophy of Science Association Biennial Meeting	2014
Comments on Joel Velasco's "Species, Genes, and the Tree of Life," Pacific APA	2010
Comments on Robert Northcott's "Genetic Drift," Eastern APA	2009
Organizer of "The Genial Gene: Author Meets Critics," ISHPSSB Conference	2009
Reviewer for <i>Animal Behavior</i> , <i>Australasian Journal of Philosophy</i> (2), <i>Biology and Philosophy</i> (3), <i>BioScience</i> (2), <i>The British Journal for the Philosophy of Science</i> (7), <i>Cognitive Science</i> , <i>Ergo</i> , <i>Erkenntnis</i> (5), <i>European Journal of Philosophy of Science</i> (2), <i>Hypatia</i> , <i>The International Journal of Philosophy of Science</i> , <i>The Journal of Aesthetics and Art Criticism</i> , <i>Perspectives on Science, Mind, Philosophers' Imprint</i> , <i>Philosophical Studies</i> (2), <i>Philosophy and Phenomenological Research</i> (2), <i>Philosophy and Theory in Biology</i> , <i>Philosophy of Science</i> (14),	

PLOS ONE, Science and Education, The Southern Journal of Philosophy, Studies in the History and Philosophy of Biological and Biomedical Sciences (3), Studies in the History and Philosophy of Science (2), Synthese (10), Theoria (3), Cambridge University Press (3), Elsevier Press, Oxford University Press (4), Minnesota Studies in Philosophy of Science book series, Routledge (4), Springer, the Central States Philosophical Association

Postdoc or grant reviewer for the Estonian Research Council, Israel Science Foundation, John Templeton Foundation (2), National Science Foundation (2), NSF Panel Reviewer, Konrad Lorenz Institute, and Clayman Institute, Stanford University

Professional Development

Participant in Academy of Leadership and Practice, sponsored by the Office of the Provost, University of Cincinnati (competitive selection process)	2022 - 2023
Participant in UC Women Lead Executive Leadership program, sponsored by the Office of the Provost, University of Cincinnati (competitive selection process)	2016 - 2017
Participant in the FORTE workshops: Pathways to Leadership, University of Cincinnati	2015
Participant in the Function and Evolution Working Group at the National Institute for Mathematical and Biological Synthesis, University of Tennessee	2009 - 2010
Participant in the Ecology and Evolution Reading Group, Oklahoma State University	2009 - 2010
Participant in the Roughgarden Lab meetings, Stanford University	2007 - 2008
Member of Science and Technology Studies Writing Group, Stanford University	2006 - 2008
Coordinator of interdisciplinary reading group on feminist philosophy of science, Stanford	2006
Presenter, Participant in Logical Methods in the Humanities discussion series, Stanford	2002 - 2006

University of Cincinnati: Philosophy Department

Head of the Philosophy Department	2023 - present
Chair, Awards Committee	2021 - 2022
Chair, Ad Hoc Workload Committee	2020 - 2021
Member, Undergraduate Studies Committee	2020 - 2021
Director of Graduate Studies for the Philosophy Department	2014 - 2019
Member, Diversity Task Force	2011 - 2016
Member, Department Head Search Committee	2015
Member, Merit Review Committee	2014 - 2015
Member, Graduate Studies Committee	2011 - 2013
Organizer of 49th Annual UC Philosophy Colloquium (three-day conference)	2012
Member, Taft Undergraduate Fellowship application review committee	2011

University of Cincinnati: College- and University-Level

Inaugural Director of Center for Public Engagement with Science	2017 - present
Budget, Planning, and Advisory Committee, College of Arts & Sciences	2023 - present
Advisory Board, Institute for Research in Sensing (IRiS)	2021 - present
Advisory Board, UC Science and Engineering Expo (UC SEE)	2022 - 2023
Mentor, Branches Women Faculty Mentorship Program, UC	2021 - 2022
Member, Ad Hoc Committee on Administrative Compensation, Arts & Sciences	2021 - 2022
Search committee, business administrator staff position for College of Arts & Sciences	2022
Search committee, post-award grant staff position for College of Arts & Sciences	2021
NEH Summer Stipends Committee	2021
Planning Committee Member, Taft Research Center	2019 - 2020
Member, College Structures Committee, College of Arts & Sciences	2019
Mentor, A&S women-to-women mentoring project	2016 - 2018

Representative (A&S Humanities) on the University Graduate Council	2015 - 2019
Member, Graduate Council of the College of Arts and Sciences	2014 - 2019
Executive Committee Member, Graduate Council of the College of Arts and Sciences	2017 - 2018
Co-Chair, Graduate School Decanal Review Committee	2017 - 2018
Developed Head's Guide to Managing Adjunct Faculty, presented at Provost Senior Staff Meeting, New Heads Orientation, influenced HR adjunct on-boarding (with two other faculty)	2016- 2017
Member, Taft Faculty Fellowship Committee	2016 - 2017
Member, Classics Department Head Search Committee	2014 - 2015
Member, Diversity Task Force for the College of Arts and Sciences	2013 - 2014
Member, University Research Council's Review Committee for Undergrad. Fellowships	2012 - 2013

Service to the Community

Led University of Cincinnati partnership with Clifton Area Neighborhood School, with collaborations spanning five UC colleges	2017 - 2023
Local School Decision-Making Committee of Clifton Area Neighborhood School Chair 2019-2020, Co-Chair 2020-2022	2018 - 2022