

Jay Odenbaugh

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Current position

Associate Professor, Department of Philosophy, Lewis & Clark College

Areas of specialization

Philosophy of Science • Philosophy of Biology • Philosophy of Psychology

Areas of competence

Ethics • Aesthetics • American Pragmatism

Employment

2011-	Chair, Department of Philosophy, Lewis & Clark College
2009-	Associate Professor, Department of Philosophy, Lewis & Clark College
2016	Fulbright Visiting Research Chair, Department of Philosophy, University of Calgary
2003-2011	Assistant Professor, Department of Philosophy, Lewis & Clark College
2001-2003	Lecturer, Department of Philosophy, University of California, San Diego

Education

1997-2002	PhD University of Calgary, Alberta, Canada, Philosophy
1994-1996	MA Southern Illinois University, Carbondale, Carbondale, Illinois, Philosophy
1990-1994	BA Belmont University, Nashville, Tennessee, Philosophy/Biology

Grants, honors & awards

2017	Walter Powell Philosophy Lecture series Feb. 22-23, Linfield College “On the Contrary: How to Think about Climate Skepticism and Communication”
2015-16	Fulbright U.S. Scholar Grant, “Emotion, Evolution, and Expression.” \$25,000 (University of Calgary)

2007-8 National Science Foundation Workshop Grant, “Edges Boundaries of Biological Objects.” \$25,000 (with Matt Haber, University of Utah)

Publications & talks

BOOKS

In progress a *In a Sentimental Mood: Emotion, Evolution, and Expression*
In progress b *Ecological models*, Cambridge University Press

JOURNAL ARTICLES

In progress “Art, Style, and Kinds”
In progress “A Sense of Scale: Integration in Ecology”
In progress “Human Nature and the Problem of Variation”
In progress With Marc Ereshefsky. “What Should Species Be? Species Pluralism, Taxonomic Inflation, and Environmental Ethics”
Forthcoming a “On the Contrary: How to Think About Climate Skepticism,” *Routledge Companion to Environmental Ethics*, Benjamin Hale and Andrew Light, eds. Routledge Press.
Forthcoming b “Neutrality, Niche, and Nulls: Causal Inference in Ecology,” (eds.) Waters, K. and J. Woodward, *Biology and Causation*, University of Minnesota Press.
Forthcoming c “Building Trust, Removing Doubt? Robustness Analysis and Climate Modeling,” *Conceptual Issues in Climate Modeling* (eds.) Lloyd E. and E. Winsberg, University of Chicago Press.
Forthcomingd With Rebecca Copenhaver. “Experiencing Emotions: Aesthetics, Representationalism, and Expression.” In *The Epistemology of Perception*, edited by Berit Brossard and Dimitria Gatzia.
“Conservation Biology,” *Stanford Encyclopedia of Philosophy*.
2016b “Protecting Biodiversity and Moral Psychology; or Why Philosophers Are Asking the Wrong Questions,” *Routledge Handbook of Philosophy of Biodiversity*, eds. Justin Garson, Anya Plutynski, and Sahotra Sarkar, Routledge Press.
2015a “Nothing in Ethics Makes Sense Except in the Light of Evolution? Natural Goodness and Evolutionary Biology” *Synthese* (2015) 1–25.
2015b “Semblance or similarity? Reflections on Simulation and Similarity.” *Biology Philosophy* 30, no. 2 (2015): 277–291.
2014 “Environmental philosophy 2.0: Ethics and conservation biology for the 21st century,” *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 45 (2014): 92–96.
2013 “Searching for Patterns, Hunting for Causes: Robert MacArthur, the Mathematical Naturalist,” *Outsider Scientists: Routes to Innovation in Biology*, (eds.) Michael Dietrich and Oren Harman, University of Chicago, (2013), pgs. 181–200.
2012a “Managed Relocation: Integrating the Scientific, Regulatory, and Ethical Challenges,” Mark W. Schwartz, Jessica J. Hellmann, Jason M. McLachlan, Dov F. Sax, Justin O. Borevitz, Jean Brennan, Alex E. Camacho, Gerardo Ceballos, Jamie R. Clark, Holly Doremus, Regan Early, Julie R. Etersson, Dwight Fielder, Jaqueline L. Gill, Patrick Gonzalez, Nancy Green, Lee Hannah, Dale W. Jamieson, Debra Javeline, Ben A. Minter, Jay Odenbaugh, Stephen Polasky, David M. Richardson, Terry L. Root, Hugh D. Safford, Osvaldo Sala, Stephen H. Schneider, Andrew R. Thompson, John W. Williams, Mark Vellend, Pati Vitt, and Sandra Zellmer, *Bioscience* (2012) 62: 732–743.
2012b “Consensus, Climate, and Contrarians,” *The Environment: Philosophy, Science, and Ethics* (2012) (eds.) William P. Kabasenche, Michael O’Rourke, and Matthew H. Slater, MIT Press.
2012c “Advocacy, Ecology, and Environmental Ethics,” *Nature Education Knowledge* 3(3): 8, 2012.
2011a “True Lies: Robustness, Realism, and Models,” *Philosophy of Science* (2011) 78: 1177–1188.
2011b “This American Life,” *Ethics, Policy Environment*, 14 (1): 27–29.

- 2011c “Buyer’s Beware: Robustness Analyses in Economics and Biology,” (with Anna Alexandrova) *Biology and Philosophy*, (2011), 26 (5):757–771.
- 2011d “A General Theory of Ecology?” *A General Theory of Ecology* (2011), (eds.) Scheiner, S. and M. Willig, University of Chicago Press.
- 2011e “Robert MacArthur,” *Handbook of the Philosophy of Science, Volume 11 - Philosophy of Ecology* (2011) (eds.) Bryson Brown, Kevin de Laplante and Kent Peacock, North Holland.
- 2011f “Complex Ecological Systems,” *Handbook of the Philosophy of Science, Volume 11 - Philosophy of Complex Systems* (2011), Cliff Hooker (ed.), North Holland.
- 2010a “Subsistence versus Sustainable Emissions: Equity and Climate Change” *Environmental Philosophy*(2010), 7 (4): 1–15.
- 2010b “Philosophy of the Environmental Sciences,” *New Waves in the Philosophy of Science* (2010) (eds.) Magnus, P. D. and J. Busch, Palgrave Macmillan, 155–171.
- 2010c “On the Very Idea of an Ecosystem,” *New Waves in Metaphysics* (2010) (ed.) Hazlett, A., Palgrave, Macmillan.
- 2010d “Philosophy of Biology,” (with Matt Haber, Andrew Hamilton, and Samir Okasha) *Philosophy of the Special Sciences* (2010) (ed.) F. Allhof, Wiley-Blackwell.
- 2009a “The Edges and Boundaries of Biological Objects,” (with Matt Haber) (2009) *Biological Theory*, 4: 219–224.
- 2009b “A Field Guide to the Philosophy of Ecology,” Mark Colyvan, Stefan Linquist, William Grey, Paul E. Griffiths, Jay Odenbaugh, and Hugh P. Possingham, *Ecology and Society* (2009), Volume 14, Number 2.
- 2009c “Models in Biology,” *Routledge Encyclopedia of Philosophy* (2009)(ed.) E. Craig, London: Routledge.
- 2009d “Sahotra Sarkar, *Biodiversity and Philosophy: An Introduction*,” *Biology and Philosophy* (2009), 24: 541–550.
- 2008a “Models,” *Blackwell Companion to the Philosophy of Biology*, edited by S. Sarkar and A. Plutynski, Blackwell Press (2008).
- 2008b “Ecology and the Inescapability of Values,” *Science and Engineering Ethics* (2008), 14: 593–596.
- 2007 “Seeing the Forest and the Trees,” *Philosophy of Science* (2007) 74: 628–641.
- 2006a “The Strategy of ‘The Strategy of Model Building in Population Biology’” *Biology and Philosophy* (2006) 21: 607–621.
- 2006b “A Message in the Bottle? The Constraints of Experimentation on Scientific Reasoning,” *Philosophy of Science* (2006) 73: 720–729.
- 2006c “Struggling with the Sciences of Ecology: A Critical Notice of Greg Cooper’s *The Science of the Struggle for Existence: On the Foundations of Ecology*,” *Biology and Philosophy* (2006) 21: 395–409.
- 2005a “Idealized, Inaccurate but Successful: A Pragmatic Approach to Evaluating Models in Theoretical Ecology,” *Biology and Philosophy* (2005) 20: 231–255.
- 2005b “The ‘Structure’ of Population Ecology: Philosophical Reflections on Structured and Unstructured Models,” in K. Cuddington and B. Beisner *Ecological Paradigms Lost*, Academic Press (2005) 63–76.
- 2005c “Ecology,” *Encyclopedia for the Philosophy of Science* (ed.) S. Sarkar, and J. Pfeifer, Routledge Press (2005) 215–224.
- 2003a “Complex Systems, Trade-Offs and Mathematical Modeling: A Response to Sober and Orzack” *Philosophy of Science* (2003) 70: 1496–1507.
- 2003b “Value, Advocacy, and Conservation Biology,” *Environmental Values* (2003) 12: 55 – 69.
- 2001 “Ecological Stability, Model Building, and Environmental Policy: A Reply to Some of the Pessimism,” *Philosophy of Science* (2001) 68: 493 – 505.

BOOK REVIEWS

- 2009 *Darwinian Populations and Natural Selection* by Peter Godfrey-Smith Oxford University Press, Oxford, 2009 in *Science*, October 16, 2009, pp. 368–369
- 2006 *Darwinism & Philosophy* edited by Vittorio Hosle and Christian Illies, *Choice Reviews*

- 2004 *Epistemology and the Psychology of Human Judgment* by Michael Bishop and J. D. Trout, Oxford University Press, 2004 *Choice Reviews*
- 2003 *Human Nature and the Limits of Science* by John Dupre, *Philosophy of Science* 2003, 70(): 849–852.

Presentations

- 2017a “On the Contrary: How to Think About Climate Skepticism”, University of Minnesota, Morris, April 24
- 2017b Comments on Irem Kurtsal Steen’s “The Value of Objects in the Plenitude”, Pacific APA, April 11
- 2016a “A Sense of Scale: Integration in Ecology,” Duke University, University Program in Ecology, April 19
- 2016b “A Sense of Scale: Integration in Ecology,” University of Calgary, Department of Philosophy, Philosophy of Ecology Workshop, April 14
- 2016c “Ties that Bind: Emotions as Natural Kinds,” University of Calgary, Department of Philosophy, January 29
- 2015a “A Guilt Trip: Moral Judgment, Expressivism, and the Basic Emotions” University of Colorado, Boulder, August 6-9
- 2015b “Emotions as Multimodal Perceptions; or What James Got Right” Tuesday, University of Guelph, Guelph, Ontario Canada, November 10
- 2015c “Human Nature, Anthropology, and the Problem of Variation,” ISHPSSB Meeting, Montreal Quebec, Canada, July 5 - 10
- 2014a “A Guilt Trip: Moral Judgment, Expressivism, and the Basic Emotions” Philosophy of Science Biennial Meeting, the Westin, Chicago, IL, Nov. 8, 2014.
- 2014b “Nothing in Ethics Makes Sense Except in the Light of Evolution? Natural Goodness, Normativity, and Naturalism” Friday, October 3, 4:15PM, Willamette University.
- 2013a “Expression, Expressing, and Expressive Of: Showing Emotion in People, Artifacts, and Nature,” Hendrix College, Little Rock, AR, November 14
- 2013b “Robustness Redux,” International Society for the History, Philosophy, and Social Studies of the Biological Sciences, 2013 Meeting, Montpellier, July 7-12
- 2013c “Hubris and Naturalness,” De-Extinction: Ethics, Law Politics Conference, Stanford University, May 31
- 2013d “Assisted Migration and Invasive Species: Exploring an Ethical Dilemma,” Assisted Migration: A Primer for Reforestation and Restoration Decision Makers, Forestry Center, Portland, OR, February 21
- 2012a “Searching for Patterns, Hunting for Causes: Searching for Patterns, Hunting for Causes: Robert MacArthur, the Mathematical Naturalist,” Washington University, St. Louis, Jan. 25
- 2012b “Building Trust, Removing Doubt? Robustness Analysis and Climate Modeling,” The Boulder Conference on the History and Philosophy of Climate Science University of Colorado at Boulder, September 1
- 2011a “Building Trust, Removing Doubt? Robustness Analysis and Climate Modeling” American Geophysical Union Fall Meeting, San Francisco, Dec. 6
- 2011b “Gut Reactions and Abstract Art” by Jay Odenbaugh and Levi Tenen, Northwest Philosophy Conference, Lewis Clark College, Portland OR, November 4-5
- 2011c “Gut Reactions and Abstract Art” by Jay Odenbaugh and Levi Tenen, Lewis Clark College, Portland OR, September 23
- 2010a “True Lies: Realism, Robustness, and Models,” Philosophy of Science Biennial Meeting, Hyatt Regency, Montreal, Quebec, Nov. 4-6
- 2010b “Assisted Migration and Invasive Species: Exploring an Ethical Dilemma” Assisted Migration of Plants, A Janet Meakin Poor Research Symposium, Chicago Botanical Garden, Friday, June 11
- 2009a “Subsistence versus Sustainable Emissions? Equity and Climate Change,” The Perfect Moral Storm:

- Ethical Challenges of Our Climate Crisis, Friday November 12, University of Oregon.
- 2009b “Climate, Consensus, and Contrarians,” The Environment, the 12th annual Inland Northwest Philosophy Conference, May 1–3
- 2008a “Sustainable versus Subsistence Emissions,” Human Flourishing and Restoration in the Age of Global Warming, Clemson University, September 5–7
- 2008b “Invasive Species and Environmental Ethics,” Department of Fisheries and Wildlife, Oregon State University “Seeing the Forest and the Trees” Department of Fisheries and Wildlife, Oregon State University
- 2008c “The Edges and Boundaries of Ecosystems,” University of Utah, Edges and Boundaries of Biological Objects Workshop
- 2007a “A General, Unifying Theory of Ecology,” Workshop on Ecological Theory, University of Connecticut, August 17-18
- 2007b “Robustness, Multiple Models, and Realism,” International Society for the History, Philosophy, and Social Studies of the Biological Sciences, Exeter, University of Exeter, July 25-29
- 2006a “Conservation Biology as Crisis Science; or Should Biologists Be Advocates?” Twentieth Biennial Philosophy of Science Association Meeting, Austin, Texas, November 2-4
- 2006b “Seeing the Forest and the Trees,” Twentieth Biennial Philosophy of Science Association Meeting, Austin, Texas, November 2-4
- 2006c “Seeing the Forest and the Trees,” 2nd Queensland Biohumanities Conference (2QBC): The Philosophy of Ecology, University of Queensland, Brisbane, Australia, June 29-30
- 2006d “Extinction? A Philosopher Replies to the Skeptics,” University of Washington, March 2
- 2005a “The Diversity-Stability Debate: Models, Methods, and Morality,” Workshop on Models and Simulations, Harvey Mudd College, October 17-20
- 2005b “Advocacy, Value and Conservation Biology,” Environmental Ethics, Science, and Policy, University of Utah, April 7-10
- 2005c “Seeing the Forest and the Trees?” Environmental Ethics, Science, and Policy, University of Utah, April 7-10
- 2005d “The Strategy of ‘The Strategy of Model-Building in Population Biology’ Models in Biology: The Strategy of Model Building 1966-2005,” April 2, 2005, University of Pennsylvania
- 2004a “Preserving the Promised Land: The Environmental Legacy of Martin Luther King Jr.,” U. S. Fish and Wildlife Service, January 20
- 2004b “A Message in the Bottle: The Constraints of Experimentation on Scientific Reasoning,” Nineteenth Biennial Philosophy of Science Association Meeting, Austin, Texas, November 18-20
- 2004c “Mathematical Models in Ecology,” ISHPSSB Future Directions in History, Philosophy, and Social Studies of Biology Workshop, University of San Francisco, Sept. 23-26
- 2004d “Method in Philosophy of Biology: Paying Attention to Other Special Sciences,” ISHPSSB Future Directions in History, Philosophy, and Social Studies of Biology Workshop, University of San Francisco, Sept. 23-26
- 2004e “Theory as Tools: A Pragmatic Approach to Evaluating Models in Ecology,” Science Seminar, Lewis and Clark College, April 27
- 2004f Is It Reasonable to Believe Positive Relevance Theories of Evidence?” Oregon Academy of the Sciences, Portland State University, February 28
- 2003a “True Lies: Robustness and Idealization in Ecological Explanations,” Pacific Division of the American Philosophical Association, Pasadena, CA, March
- 2003b Commentary on Mark Sagoff’s “The Plaza and Pendulum,” International Society for Environmental Ethics session at the Eastern Division Meeting of the American Philosophical Association, Washington, D.C., December
- 2003c Commentary on Roberta Millstein’s “Natural Selection, Genetically Modified Food, and the Environment,” International Society for Environmental Ethics session at the Eastern Division Meeting of the American Philosophical Association, Washington, D.C., December
- 2003d Commentary on Tom Seppalainen’s “The Explanatory Gap and the Questionable Roots of Neces-

- sitarian Epistemology,” Northwest Philosophy Conference, Reed College, October 5
- 2003e “True Lies: Robustness and Idealization in Ecological Explanations,” Northwest Philosophy Conference, Reed College, October 4
- 2003f “True Lies: Robustness and Idealization in Ecological Explanations,” Department of Philosophy, Lewis and Clark College, September 12
- 2003g “True Lies: Robustness and Idealization in Ecological Explanations,” International Society for the History, Philosophy and Social Studies of the Biological Sciences, Vienna, Austria July 26
- 2003h Commentary on Matt Haber’s “On Probability and Systematics,” University of California San Diego, Graduate Philosophy Conference, April 11-12
- 2003h Invited paper for the Symposium Author Meets Critics, Sahotra Sarkar’s Environmental Philosophy and Biodiversity Conservation, The American Philosophical Association Pacific Division, Seventy-Seventh Annual Meeting Program, San Francisco, California, March 26-30
- 2003i “Philosophy of Ecology,” Department of Philosophy, University of San Diego, March 17
- 2003j “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad,” Department of Philosophy, Oregon State University, February 6, 2003
- 2003k “Value, Advocacy, and Conservation Biology,” Department of Philosophy, Oregon State University, February 5
- 200kl “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad,” Department of Philosophy, Lewis and Clark College, February 3
- 2003m “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad,” Department of Philosophy, University of Alabama Birmingham, January 30
- 2003n “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad” Department of Philosophy, California State University Fresno, January 21
- 2002a “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad,” Scripps Institute of Oceanography, University of California San Diego, November 22
- 2002b “Complex Systems, Trade-Offs and Mathematical Modeling: A Response to Sober and Orzack,” Eighteenth Biennial Philosophy of Science Association Meeting, Milwaukee, Wisconsin November 2-5
- 2002c “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad,” Western Canadian Philosophical Association, October 28, University of Calgary, Calgary, Alberta
- 2002d “Desiderata in Tension: On the Limits of Modeling in Ecology and Evolution,” University of California, San Diego, Department of Philosophy, San Diego, California, June 7
- 2002e “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad,” Canadian Philosophical Association, May 25, University of Toronto, Toronto, Ontario
- 2002f “Complex Systems, Trade-offs and Mathematical Modeling: Richard Levins’ ‘Strategy of Model Building in Population Biology’ Revisited,” University of Western Ontario, Department of Philosophy, London, Ontario, February 4
- 2002g “Complex Systems, Trade-offs and Mathematical Modeling: Richard Levins’ ‘Strategy of Model Building in Population Biology’ Revisited,” Indiana University, History and Philosophy of Science Department, Bloomington, IN, January 23
- 2002h “How Idealized and Inaccurate Models Contribute to Successful Science: A Pragmatic Approach to Evaluating Models in Theoretical Ecology,” Indiana University, History and Philosophy of Science Department, Bloomington, IN, January 22
- 2001 “The ‘Marlboro Circle’, Theoretical Population Biology, and Unification,” International Society for the History, Philosophy, and Social Studies of the Biological Sciences, Quinnipiac University, Hamden CT, July 18-22
- 2000 “Ecological Stability, Model Building, and Environmental Policy: A Reply to Some of the Pessimism,” Seventeenth Biennial Philosophy of Science Association Meeting, Vancouver, British Columbia, November 2-5
- 1999 “The Strategy of Model Building in Population and Community Ecology,” International Society for the History, Philosophy, and Social Studies of the Biological Sciences, Oaxaca, Mexico July 7-11
- 1998 “Why Philosophers Should Focus on the Strategy of Model Building and Not Just Models,” Western

Canadian Philosophical Association Conference at the University of British Columbia, Vancouver,
British Columbia November

Teaching

LEWIS & CLARK COLLEGE

PHIL 453 Natural Kinds
PHIL 453 Realism/Anti-realism
PHIL 453 Darwinian Revolutions
PHIL 452 Global Climate Change
PHIL 452 Consequentialism
PHIL 452 Practical Ethics
PHIL 452 Aesthetics and the Philosophy of Art
PHIL 451 American Pragmatism
PHIL 315 Philosophy of Science
PHIL 310 Metaphysics
PHIL 215 Philosophy and the Environment
PHIL 203 Philosophy of Art & Beauty
PHIL 201 Philosophy of Religion
PHIL 103 Ethics
PHIL 101 Logic

UNIVERSITY OF CALIFORNIA AT SAN DIEGO

PHIL 285 Seminar on Special Topics: Philosophy of Biology PHIL 164 Technology and Human Values
PHIL 163 Bio-Medical Ethics
PHIL 148 Philosophy and the Environment
PHIL 33 Philosophy in the Age of Enlightenment (Empiricism)
PHIL 12 Causal and Statistical Reasoning

Service

PROFESSIONAL SERVICE

2017- Associate Editor, *Biology & Philosophy*
2012- Editorial Board, *Philosophy and Theory in Biology*
2016- Subject Editor, Philosophy of Biology, Stanford Encyclopedia of Philosophy
2007-10 Member of the American Philosophical Association, Pacific Division, Steering Committee
Ongoing Referee for: British Journal for the Philosophy of Science, Biology and Philosophy, Bioscience, Blackwell Publishers, Cambridge University Press, Ecology Letters, Environmental Values, Erkenntnis, Oxford University Press, Philosophical Studies, Philosophy of Science, Quarterly Review of Biology, Science, Science and Engineering Ethics, Synthese, The Journal of Philosophy, Science, and Law, The National Science Foundation, Trends in Ecology and Evolution, University of Chicago Press

DISSERTATION COMMITTEE

2017

2012 Fang Wei, University of Sydney, Ph. D.
 John Matthewson, Australian National University, Ph.D.
 2010 Clement Loo, University of Cincinnati, Ph.D.

COMMUNITY SERVICE

Community Service

2002-10; 2015- Lewis and Clark College Sustainability Council, 2002– 2010
 2016-7 Job Search Committee for Biology
 2013-14 Lewis & Clark College Strategic Planning Committee
 2011-13 Lewis and Clark Budget Advisory Committee
 2011-12 Lewis and Clark Strategic Planning Task Force 2011–2012
 2008-10 Lewis and Clark Sustainability Council Chair 2008–2010
 2008-9 Job Search Committee for Economics, October 2008– March 2009
 2005-9 Ethics Bowl Advisor for Lewis and Clark College
 2008 Organizer for Lewis and Clark College’s Focus the Nation
 2004-10 Lewis and Clark Steering Committee for Environmental Studies–
 2002-2012 Lewis and Clark College First-Year Advising Program, 2002–
 2007-8 Lewis and Clark Petition and Awards Committee
 2005-6 Lewis and Clark College Faculty Secretary
 2003-4 Job Search Committee for Environmental Studies Program Director

PRESENTATIONS

2010 “Things - What are They?” Exploration & Discovery Presentation
 2005 “Salmon, Why Bother? Spawning an Environmental Ethic,” Environmental Studies, Lewis and Clark College, Feb. 14, 2005
 2004a “Philosophy and Population Biology,” A presentation with Paulette Bierzychudek for Environmental Studies ENVS, 160: Introduction to Environmental Studies, Lewis and Clark College, February 18
 2004b “Parsimony and Phylogenetic Inference,” A presentation for Phylogenetic Biology BIO 408 Lewis and Clark College, February 3,
 2003 “Is Reality Really Weird? Quantum Mechanics and Scientific Realism,” A presentation for What is Quantum? A Scientific Philosophy Extravaganza! Lewis and Clark College, October 22

Other Experience

2004– Lecturer, Marine Biodiversity, Conservation and Global Change, Scripps Institute of Oceanography, University of California San Diego
 2011, 12 Philosophical Perspectives on Causal Reasoning in Biology Workshop, Minnesota Center for Philosophy of Science, University of Minnesota, Thursday, May 5-7, 2011; Thursday, May 3-6, 2012 organized by Kenneth Waters and James Woodward
 2009 Guest Editor (with Matt Haber) “The Edges and Boundaries of Biological Objects” issue of *Biological Theory*, 4: 3, 2009
 2004 “Mathematical Models in Ecology,” ISHPSSB Future Directions in History, Philosophy, and Social Studies of Biology Workshop, University of San Francisco, Sept. 23-26
 2004 “Method in Philosophy of Biology: Paying Attention to Other Special Sciences,” ISHPSSB Future Directions in History, Philosophy, and Social Studies of Biology Workshop, University of San Francisco, Sept. 23-26

