

# Jay Odenbaugh

Department of Philosophy  
Lewis & Clark College  
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## Current position

James F. Miller Professor of Humanities & Professor of Philosophy, Department of Philosophy,  
Lewis & Clark College

## Areas of specialization

Philosophy of Science • Philosophy & History of Biology • Philosophy of Psychology • Environ-  
mental Philosophy

## Areas of competence

Ethics • Philosophy of Mind • Aesthetics • American Pragmatism

## Employment

2022-	James F. Miller Professor of Humanities, Lewis & Clark College
2019-2022	Professor, Department of Philosophy, Lewis & Clark College
2011-2019	Chair, Department of Philosophy, Lewis & Clark College
2009-2019	Associate Professor, Department of Philosophy, Lewis & Clark College
2016	Fulbright Visiting Research Chair, Department of Philosophy, University of Calgary
2003-2009	Assistant Professor, Department of Philosophy, Lewis & Clark College
2001-2003	Lecturer, Department of Philosophy, University of California, San Diego

## Education

1997-2002	Ph.D. University of Calgary, Alberta, Canada, Philosophy
1994-1996	M.A. Southern Illinois University, Carbondale, Carbondale, Illinois, Philosophy
1990-1994	B.A. Belmont University, Nashville, Tennessee, Philosophy/Biology

## Grants, honors & awards

- 2018 Lorry Lokey Faculty Excellence Award
- 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

- Under review *In a Sentimental Mood: Emotion, Evolution, and Expression*, Oxford University Press
- 2019 *Ecological models*, Cambridge University Press

### JOURNAL ARTICLES & BOOK CHAPTERS

- In progress “Owls and Old-Growth: An Examination of the Multi-Layered Moral Conflicts”.  
*Studies in History and Philosophy of Science*.
- Forthcoming a With Rebecca Copenhaver. “Commentary on Marta Benenti’s *Expressiveness: Perception and Emotions in the Experience of Expressive Objects*, *Emotion Review*.
- Forthcoming b “Disagreement and the Environment,” in *Routledge Handbook of Philosophy of Disagreement*, eds. Maria Baghramian, J. Adam Carter, and R. Rowland, Routledge Press.
- Forthcoming c “Neutrality, Niche, and Nulls: Causal Inference in Ecology,” (eds.) Waters, K. and J. Woodward, *Biology and Causation*, University of Minnesota Press.
- 2023a “Philosophy and Ethics of De-Extinction. *Cambridge Prisms: Extinction*, 1, E7. doi:10.1017/ext.2023.4
- 2023b “An Even Better Ape? Comments on *A Better Ape*. *Biology & Philosophy*, 38(4), 1-5.
- 2022a “What Should Species Be?: Taxonomic Inflation and the Ethics of Splitting and Lumping.” In *Species Problems and Beyond*, pp. 91-104. CRC Press, 2022.
- 2022b “Owl vs Owl: Examining an Environmental Moral Tragedy.” *Philosophia*, 1-15.
- 2022c “Skepticism and denialism.” In *The Routledge Companion to Environmental Ethics*, Benjamin Hale, Lydia Lawhon, and Andrew Light, eds., pp. 293-314, Routledge Press.
- 2022d ‘Leveraging Distortions: Explanation, Idealization, and Universality in Science by Collin Rice: A Defense of the “Standard View,” *Studies in History and Philosophy of Science*, 95, pgs. 224-225, <https://doi.org/10.1016/j.shpsa.2022.06.004>.
- 2020 “Biodiversity, ecosystem functioning, and the environmentalist agenda. *Biology & Philosophy*, 35(1), 1-11.
- 2019a “Functions in Ecosystem Ecology: A Defense of the Systemic Capacity Account,” *Philosophical Topics*, Volume 47, Number 1, pgs. 167-180.
- 2019b With Rebecca Copenhaver. “Experiencing Emotions: Aesthetics, Representationalism, and Expression.” In *The Epistemology of Perception*, edited by Berit Brossard and Dimitria Gatzia.
- 2019c Christophe Malaterre, Antoine C Dussault, Sophia Rousseau-Mermans, Gillian Barker, Beatrix E Beisner, Frédéric Bouchard, Eric Desjardins, I Tanya Handa, Steven W Kembel, Geneviève Lajoie, Virginie Maris, Alison D Munson, Jay Odenbaugh, Timotheée Poisot, B Jesse Shapiro, Curtis A Suttle, Functional Diversity: An Epistemic Roadmap, *BioScience*, Volume 69, Issue 10, October 2019, Pages 800–811, <https://doi.org/10.1093/biosci/bizo89>
- 2019c Pirtle, Z., Odenbaugh, J., Szajnfarder, Z. (2018). “The One, the Few or the Many?”: Using Independence As a Strategy in Engineering Development and Modeling. In *The Future of Engineering* (pp. 13-31). Springer, Cham. *Techné: Research in Philosophy and Technology* (2018)
- 2018a “Building Trust, Removing Doubt? Robustness Analysis and Climate Modeling,”

- 2018b *Conceptual Issues in Climate Modeling* (eds.) Lloyd E. and E. Winsberg, University of Chicago Press.  
 “Models, models, models: a deflationary view.” *Synthese* (2018): 1-16.
- 2018c Pirtle, Zachary ; Odenbaugh, Jay ; Hamilton, Andrew Szajnfarber, Zoe (2018). Engineering Model Independence. *Techné: Research in Philosophy and Technology* 22 (2):191-229.
- 2016a “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. Etterson, 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.
- “Ecological Stability, Model Building, and Environmental Policy: A Reply to Some of the Pessimism,” *Philosophy of Science* (2001) 68: 493 – 505.

#### ENCYCLOPEDIA ENTRIES

- 2021 Odenbaugh, Jay, “Conservation Biology”, The Stanford Encyclopedia of Philosophy (Spring 2021 Edition), Edward N. Zalta (ed.), URL = <<https://plato.stanford.edu/archives/spr2021/entries/conservation-biology/>>.
- 2020 Odenbaugh, Jay and Paul Griffiths, “Philosophy of Biology”, The Stanford Encyclopedia of Philosophy (Summer 2020 Edition), Edward N. Zalta (ed.), URL = <<https://plato.stanford.edu/archives/sum2020/entries/biology-philosophy/>>

#### BOOK REVIEWS

- 2021 Maria Kronfeldner, *What’s Left of Human Nature? A Post-essentialist, Pluralist, and Interactive Account of a Contested Concept*. Cambridge, MA: MIT Press (2018), 336 pp., \$45.00 (cloth). *Philosophy of Science*, 88(3), 562–567.
- 2020 “Will the Real Metaphysical Club Please Stand Up?” Brian Butler, James Good, and Frank Ryan. *The Real Metaphysical Club: The Philosophers, Their Debates, and Selected Writings from 1870 to 1885*. Albany: SUNY University Press, 2019. 474 pp. in *The Journal of the Gilded Age and Progressive Era*.
- 2019a Odenbaugh, J. Lucan McGranahan, *Darwinism and Pragmatism: William James on Evolution and Self-Transformation*, 2017, Routledge, 200 pp., HPLS 41, 23 (2019) doi:10.1007/s40656-019-0262-1
- 2018 *Rethinking Wilderness* by Mark Woods. Broadview Press, 2017 in *Environmental Ethics*.
- 2017 *Hubbard Brook: The Story of a Forest Ecosystem* by Holmes Richard T. and Likens Gene E.. Yale University Press, 2016 in *Bioscience*.
- 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

- 2022a “Don’t Believe the Hype? Non-epistemic Values and the Debates Regarding Yellowstone, Wolves, and Trophic Cascades,” Philosophy of Science Association Meeting, November 12, 2022, Pittsburgh, PA.
- 2022b Author Meets Critics: Marta Benenti, *Expressiveness Perception and Emotions in the Experience of Expressive Objects*, (with Rebecca Copenhaver), Society for Philosophy of Emotion Society, The American Philosophical Association, Eastern Division, Baltimore, Maryland, January 13, 2022.
- 2022c “Emotions as Multisensory Perceptions; or What James Got Right, History & Philosophy Science Group, Washington University.
- 2021a “Owls and old-growth: A philosophical examination of a conflict,” International Society for the History, Philosophy, and Social Studies of Biology, July 14, 2021, Cold Spring Harbor, MA.
- 2021b “Endangered Ecosystems and Non-Native Species,” *Engagement, Policy, and Practice: 6th Public Philosophy Network Conference*, October 23, 2021, George Mason University, MD.
- 2021d “Emotions as Multisensory Perceptions; or What James Got Right,” Lewis & Clark College, October 22, 2021.
- 2019a “Human Nature and the Problem of Variation (Or Why There is No Human Nature)”, 2019 PDX-PhiSciNOW Workshop, Portland State University, September 13-14, 2019.
- 2018a “Functions in Ecosystem Ecology: A Defense of the Selected Effects Account,” Philosophy of Science Association Meeting, Seattle, Washington, November 1-4, 2018.
- 2018b “Whither Sentimentalism and Psychopathy?” Rock Mountain Ethics Conference, University of Colorado, Boulder, August 9-12, 2018  
“Conservation Biology” Philosophy of Biology in the Mountains, 5-Day Seminar, University of Utah, May 14-18, 2018. Comments on Elisabeth Lloyd’s “What Is Worse? Warning or No Warning? Values and Extreme Climate Events,” Pacific APA, March 29, 2018
- 2017a “On the Contrary: How to Think About Climate Skepticism”, University of Minnesota, Morris, April 24
- 2017b Comments on Irem Kurtal Steen’s “The Value of Objects in the Plenitude”, Pacific APA, April 11
- 2017c “What Should Species Be? Species Pluralism, Taxonomic Inflation, and Environmental Ethics”, Rock Mountain Ethics Conference, University of Colorado, Boulder, August 10-13, 2017
- 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.
- 2014c “Ethics, Uncertainty, and Climate Change, Communicating Scientific Uncertainty: September 2014

- Workshop, September 22-23, 2014, Environmental Law Institute, Washington, DC.
- 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 Necessitarian 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
- “Species Extinctions, Ecological Models, and Scientific Uncertainty: A Troubling Triad” Department of Philosophy, California State University Fresno, January 21
- “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  
 “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 499 Advanced Logic
- PHIL 453 Emotions, Evolution, and Expression
- 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 313 Philosophy of Mind
- PHIL 312 Philosophy of Language
- PHIL 310 Metaphysics
- PHIL 250 Philosophical Methods
- PHIL 217 Emotions, Evolution, and Expression



PHIL 215 Philosophy and the Environment  
PHIL 203 Philosophy of Art & Beauty  
PHIL 201 Philosophy of Religion  
PHIL 103 Ethics  
PHIL 101 Logic  
ENVS 160 Introduction to Environmental Studies

#### 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

2020– Editorial Board, *Environmental Ethics*  
2017– Associate Editor, *Biology & Philosophy*  
2015– Editorial Board, *Ethics, Policy, and Environment*  
2012– Editorial Board, *Philosophy and Theory in Biology*  
2016– Subject Editor, Philosophy of Biology, Stanford Encyclopedia of Philosophy  
2017–18 Member of the Philosophy of Science Association Biennial Meeting 2018, Program Committee  
2018–9 Guest Editor with Stefan Linquist, Special Issue on the Philosophy of Ecology, *Philosophical Topics*  
2015–16 Member of the Steering Committee for the Communicating Scientific Uncertainty Meeting, Environmental Law Institute, Washington, D. C. April 21–22, 2015  
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; Conservation Science and Practice; Ecology Letters; Environmental Ethics; Environmental Values; Erkenntnis; Ethics, Policy, and Environment; Oxford University Press; Philosophical Studies; Philosophy of Science; Plants, People, Planet; 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

2019 Zachary Pirtle, The George Washington University, Ph.D. (Systems Engineering)  
2017 Fang Wei, University of Sydney, Ph. D.  
2012 John Matthewson, Australian National University, Ph.D.  
2010 Clement Loo, University of Cincinnati, Ph.D.

## Community Service

### COMMITTEES AND OTHER SERVICE

2021–2022 Job Search Committee for Psychology  
2019 Faculty Leader for New Zealand Overseas Program

2017-18 Lewis & Clark College Faculty Representative to the Board of Trustees  
 2002-10; 2015- Lewis and Clark College Sustainability Council  
 2004-10; 2017- Lewis and Clark Steering Committee for Environmental Studies  
 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  
 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

2019 Guest Editor (with Stefan Linquist) “Philosophy of Ecology” issue of *Philosophical Topics*, 47: 1, 2019  
 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  
 2001 Causal Reasoning Course Workshop, August 6–10, Carnegie Mellon University, Department of Philosophy, hosted by Richard Scheines