

Derek D. Turner

Class of 1943 Professor of Philosophy
Karla Heurich Harrison '28 Director
Goodwin-Niering Center for the Environment
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Academic Appointments

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| <i>2020 - present</i> | Class of 1943 Chair in History and Philosophy of Science, Connecticut College |
| <i>2020 - 2023</i> | Karla Heurich Harrison '28 Director, Goodwin-Niering Center for the Environment, Connecticut College |
| <i>2020 - 2021</i> | Acting Chair, Department of Philosophy, Connecticut College |
| <i>2015 - present</i> | Professor of Philosophy, Connecticut College |
| <i>2014 - present</i> | Associate Director, Goodwin-Niering Center for the Environment, Connecticut College |
| <i>2011 - 2015</i> | Chair, Department of Philosophy, Connecticut College |
| <i>2007 - 2015</i> | Associate Professor of Philosophy, Connecticut College |
| <i>2001 - 2007</i> | Assistant Professor of Philosophy, Connecticut College |
| <i>2000 - 2001</i> | Lecturer, Vanderbilt University |

Education

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|-------------|---|
| <i>2000</i> | Ph.D. Philosophy. Vanderbilt University
Dissertation: <i>Evolution and Inquiry: An Analogy</i>
Committee: John F. Post (supervisor), Ruth Garrett Millikan (University of Connecticut), Jeffrey Tlumak, Lem Goodman |
| <i>1999</i> | M.A. Philosophy. Vanderbilt University |
| <i>1996</i> | B.A. Philosophy and German Studies. American University
<i>magna cum laude</i> , University Honors |

Visiting Research Fellowships & Guest Teaching

- Spring 2017* Fulbright Visiting Research Chair in Philosophy of Science, University of
Calgary, Canada
- Fall 2015* Visiting Fellowship, Konrad Lorenz Institute, Klosterneuburg, Austria
- July 2013* Visiting Instructor, Summer School on Evolution, University of Lisbon, Portugal
- Spring 2008* Visiting Fellowship, University of Pittsburgh Center for Philosophy of Science
- 1996-97* Fulbright Fellowship, Georg-August-Universität Göttingen, Germany

Awards

- 2017* Nancy Batson Nisbet Rash Award for Excellence in Research, Connecticut
College
- 2015* Book Prize for Excellence in Advising, Mellon Mays Undergraduate Fellowship
(MMUF) Program, Connecticut College.
- 2007* John S. King Faculty Award for Excellence in Teaching, Connecticut College
- 1999* Franklin J. Matchette Foundation Award for Excellence in Teaching, Vanderbilt
University

Books

- In Preparation* *Evolution Without Change: The Puzzles of Evolutionary Stasis.* Examines three
explanatory puzzles: (1) living fossil taxa; (2) larger-scale patterns of stasis
in the fossil record; (3) coordinated stasis in paleoecology. Argues that
stasis is a good test case for thinking about the structure of evolutionary
explanations.
- 2019* *Paleoaesthetics and the Practice of Paleontology.* Cambridge University Press,
Cambridge Elements in the Philosophy of Biology.
- 2011* *Paleontology: A Philosophical Introduction.* Cambridge University Press
Turkish translation by Nivart Tasçi, Bogaziçi University Press, 2014.
- 2007* *Making Prehistory: Historical Science and the Scientific Realism Debate.*
Cambridge University Press.

Open Educational Resources (OER) Textbook

- 2020* *Form and Content: An Introduction to Symbolic Logic.* Produced with support
from an Open Educational Resources (OER) grant from Connecticut
College. Available online at: <https://digitalcommons.comncoll.edu/ocr/1/>

Journal Articles

- Under review* Turner, D. "Learning from Edward Hitchcock's Geological Aesthetics," in
a special issue on "The Invisible Object Through the History of Science,
Literature, and Philosophy," *Intellectual History Review*, edited by Angela
Ferraro.

- Under revision* Turner, D. "How Environmental Hope and Despair Can (and Should) Work Together," *Environmental Values*.
- 2019 Practice* Turner, D. "Speculation in the Historical Sciences," *Philosophy, Theory, and in Biology* 11(2019). <http://dx.doi.org/10.3998/ptpbio.16039257.0011.011>
- Ereshefsky, M., and Turner, D., "Historicity and Explanation," *Studies in History and Philosophy of Science* (2019). <https://doi.org/10.1016/j.shpsa.2019.02.002>
- Turner, D. "In Defense of Living Fossils," *Biology and Philosophy* 34 (2019). <https://doi.org/10.1007/s10539-019-9678-y>.
- 2017* Turner, D. "Biases in the Prioritization of Candidates for De-Extinction," *Ethics, Policy, and Environment* 20(2017): 21-24.
- 2016 Technology* Turner, D. "De-extinction as artificial species selection," *Philosophy and* 30(4): 395-411.
- Currie, A. and Turner, D., "Scientific Knowledge of the Deep Past (Introduction to Special Section)," *Studies in History and Philosophy of Science A* 55(2016): 43-46.
- 2015 and* Turner, D. "A Second Look at the Colors of the Dinosaurs," *Studies in History Philosophy of Science A* (2015).
- 2014* Turner, D. "Philosophical Issues in Recent Paleontology," *Philosophy Compass* 9(2014): 494-505.
- Feldman, S. & Turner, D. "Why Not NIMBY? Some Replies to Critics," *Ethics, Policy, and Environment* 17(2014): 1-11.
- 2013* Turner, D. "Proportionality and the Precautionary Principle: Comments on Daniel Steel, 'The Precautionary Principle and the Dilemma Objection'," *Ethics, Policy, and Environment* 16(2013): 338-40.
- 2012* Inkpen, R. & Turner, D., "The Topography of Historical Contingency," *Journal of the Philosophy of History* 6(2012): 1-20.
- 2010* Turner, D. "Gould's Replay Revisited," *Biology and Philosophy* 26(2010): 65-79.
- Turner, D. "Punctuated Equilibrium and Species Selection: What Does it Mean for one Theory to Suggest Another?" *Theory in Biosciences* 129(2010): 113-123.
- Feldman, S. & Turner, D. "Why Not NIMBY?" *Ethics, Place, and Environment* 13(2010): 1-16.
- Turner, D. "Comments on Kyle Stanford's, 'Projective Evidence and the Heterogeneity of Scientific Confirmation'," *The Modern Schoolman* LXXXVII (2010): 245-249.
- 2009* Turner, D. "How Much Can We Know About the Causes of Evolutionary Trends?" *Biology and Philosophy* 24(2009): 341-357.
- 2006* Turner, D. "Just Another Drug? A Philosophical Assessment of Randomized, Controlled Studies of Intercessory Prayer," *Journal of Medical Ethics* 32(2006): 487-490.
- Turner, D. "Monkeywrenching, Perverse Incentives, and Ecodefence," *Environmental Values* 15 (2006): 213-232.

- 2005
Science Turner, D. "Local Underdetermination in Historical Science," *Philosophy of Science* 72(2005): 209-230.
- Turner, D. "Are We at War With Nature?" *Environmental Values* 14(2005): 21-36.
- Reprinted in M. Ruse, ed., *Philosophy of Biology*, second edition. Prometheus Books, 2007, pp. 329-345.
- History* Turner, D. "Misleading Observable Analogues in Paleontology," *Studies in and Philosophy of Science* 36(2005): 175-183.
- Sufka, K. & Turner, D., "An Evolutionary Account of Chronic Pain: Integrating the Natural Method in Evolutionary Psychology," *Philosophical Psychology* 18(2005): 243-257.
- 2004 Turner, D. & L. Hartzell, "The Lack of Clarity in the Precautionary Principle," *Environmental Values* 13 (November 2004): 449-460.
- Turner, D. "The Past vs. the Tiny: Historical Science and the Abductive Arguments for Realism," *Studies in History and Philosophy of Science A* 35 (March 2004): 1-17.
- 2000 Turner, D. "The Functions of Fossils: Inference and Explanation in Functional Morphology," *Studies in History and Philosophy of Science C: Biology and Biomedical Sciences* 31(March 2000): 193-212.
- Post, J.F. & Turner, D., "Sic Transitivity: A Reply to McGrew and McGrew," *Journal of Philosophical Research* XXV (January 2000): 67-82.

Contributions to Edited Volumes

- In Press* Turner, D., and M.I. Turner, "I'm not saying it was aliens": An Archaeological and Philosophical Analysis of a Conspiracy Theory," *Explorations in Archaeology and Philosophy*, edited by Anton Killin and Sean Hermanson, Synthese Library.
- In Press* Turner, D., "Rewilding," in Ben Hale and Andrew Light, eds., *Routledge Companion to Environmental Ethics*. London: Routledge.
- 2018 Turner, D. "Paleobiology's uneasy relationship with the Darwinian tradition: Stasis as Data," in *The Darwinian Tradition in Context: Research Programs in Twentieth Century Evolutionary Biology*, edited by Richard Delisle, Springer, 2018, pp. 333-352.
- Turner, D. "Three Kinds of Realism about Historical Science," in the *Routledge Handbook of Scientific Realism*, edited by Juha Saatsi, 2018, pp. 321-332.
- 2015 Turner, D. "Historical contingency and the explanation of evolutionary trends," *Biological Explanation: An Enquiry into the Diversity of Explanatory Patterns in the Life Sciences*, edited by Christophe Malaterre and Pierre-Alain Braillard, Springer, 2015, pp. 73-90.
- 2014 Turner, D. "The restorationist argument for extinction reversal," *The Ethics of Animal Re-Creation and Modification: Reviving, Rewilding, Restoring*, edited by Markku Oksanen and Helena Siipi, Palgrave Macmillan, 2014, pp. 40-59.

- Turner, D. "Causal explanations of historical trends," in *Explanation in the Special Sciences - The Case of Biology and History*, edited by Marie Kaiser, Andreas Hüttemann, Daniel Plenge, and Oliver Scholz, Springer, 2014, pp. 255-269.
- 2013 Turner, D. "Historical Geology: Methodology and Metaphysics" in Baker, V.R., ed., *Rethinking the Fabric of Geology: Geological Society of America Special Paper 502*(2013): 11-18.
- 2009 Turner, D. "Beyond Detective Work: Empirical Testing in Paleobiology," in M. Ruse and D. Sepkoski (eds.), *The Paleobiological Revolution: Essays on the Growth of Modern Paleontology*, University of Chicago Press, 2009, pp. 201-214.
Reprinted in M. Ruse, ed., *The Philosophy of Biology*. Prometheus Books, 2007, pp. 193-201.
- 2005 Turner, D. "Universal Darwinism and Process Essentialism," in Nathalie Gontier, Jean Paul van Bendegem, and Diederik Aerts (eds.), *Theory and Decision Library A, volume 39: Evolutionary Epistemology, Language, and Culture*. Springer, 2005.

Encyclopedia Entries

- 2019 Turner, D., and J.C. Havstad, "Philosophy of Macroevolution," commissioned entry for the *Stanford Encyclopedia of Philosophy*. Available [here](#).
- 2009 Turner, D. "Ecosabotage," *Encyclopedia of Environmental Ethics and Philosophy*, edited by J. Baird Callicott and Robert Frodeman, Thomson Gale publishers, 2009, pp. 281-284.

Book Reviews

- 2020 Turner, D. and A. Ball, Review of George McGhee, *Convergent Evolution on Earth: Lessons for the Search for Extraterrestrial Life*, Vienna Series in Theoretical Biology, MIT Press, for *Quarterly Review of Biology* 95(3): 267.
- Turner, D., and A. AboHamad, Review of J. William Schopf, *Life in Deep Time: Darwin's "Missing" Fossil Record* (Boca Raton, FL: CRC Press), for *Quarterly Review of Biology* 95(2): 153-154.
- 2019 Turner, D., Review of M. Luck, ed. *Biology in Transition: The Life and Lectures of Arthur Milnes Marshall*, for *Quarterly Review of Biology* 94: 286-7.
- 2017 Turner, D. Review of N. Eldredge, T. Pievani, E. Serrelli, and I. Temkin, eds., *Evolutionary Theory: A Hierarchical Perspective* (University of Chicago Press, 2016), *Quarterly Review of Biology* 92: 317.
- Turner, D. Review of B. Treanor, B.E. Benson, and N. Wirzba, eds., *Being-in-Creation: Human Responsibility in an Endangered World*. (Fordham University Press, 2015), *Quarterly Review of Biology* 92: 173-4.
- Turner, D. "What do paleontologists mean by 'species'?" Review of W.D. Allmon and M.M. Yacobucci, eds., *Species and Speciation in the Fossil Record* (University of Chicago Press, 2016), *Ecology* 98(6): 1733-1735.

- 2016 Turner, D. & M. Young, Review of Cynthia Willett, *Interspecies Ethics* (Columbia University Press, 2014), *Quarterly Review of Biology* 91: 202.
- Turner, D., Review of Beth Shapiro, *How to Clone a Mammoth* (Princeton University Press, 2015), *Quarterly Review of Biology* 91: 73.
- 2015 Turner D., Review of Kostas Kampourakis, *Understanding Evolution* (Cambridge University Press, 2014), *Quarterly Review of Biology* 90: 215-216.
- 2014 Turner, D. “Neo-Naturphilosophie, Review of Michael Ruse, *The Gaia Hypothesis: Science on a Pagan Planet*,” *Soundings: An Interdisciplinary Journal* 97(2014): 477-485.
- Turner, D., Review of Massimo Pigliucci and Maarten Boudry, eds. *Philosophy of Pseudoscience: Reconsidering the Demarcation Problem* (University of Chicago Press, 2013), *Quarterly Review of Biology* 89: 161-2.
- Turner, D., Review of John N. Thompson, *Relentless Evolution* (University of Chicago Press, 2013), *Quarterly Review of Biology* 89: 173-4.
- 2012 Turner D. Review of Robert J. Asher, *Evolution and Belief: Confessions of a Religious Paleontologist* (Cambridge University Press, 2012), *Notre Dame Philosophical Reviews* 10 August, 2012.
- Turner, D., Review of *Environmental Ethics*, 6th Edition, Louis Pojman and Paul Pojman, eds. (Wadsworth), *Teaching Philosophy* 35(2012): 448-451.
- Turner, D., Review of Elliott Sober, *Did Darwin Write the Origin Backwards? Philosophical Essays on Darwin’s Theory*, for *The Quarterly Review of Biology* 87: 138.
- 2011 Turner, D., Review of Lori Gruen, *Ethics and Animals: An Introduction* (Cambridge University Press, 2011), for *ISEE Newsletter* 23(2): 18-19.
- Turner, D., Review of B. Calcott and K. Sterelny, eds., *The Major Transitions in Evolution Revisited* (MIT Press, 2011), for *Reports of the National Center for Science Education* 33(3).
- 2010 Turner, D. & A. Margenot, Review of *The Deep Structure of Biology: Is Convergence Sufficiently Ubiquitous to Give a Directional Signal?*, edited by Simon Conway Morris. Templeton Foundation Press, 2008. *Reports of the National Center for Science Education*. 30(November-December 2010): 26-7.
- 2006 Turner, D. “The Progress of Darwinism: A Review of Timothy Shanahan, *The Evolution of Darwinism: Selection, Adaptation, and Progress in Evolutionary Biology*,” *Biology and Philosophy*, 21(2006): 277-285.
- 2005 Turner, D., “Altruism—Is it Still an Anomaly? A Review of Nigel Barber, *Kindness in a Cruel World: The Evolution of Altruism*,” *Trends in Cognitive Sciences*, 9(2005): 317-18.
- 2004 Turner, D. Review of *Defending Science—Within Reason: Between Scientism and Cynicism*, by Susan Haack. *Disputatio* 17(2004): 87-93.

Online Essay

- 2017 Currie, A., and D. Turner, “[The Missing Fossils Matter as Much as the Ones We Have Found](#),” *Aeon Magazine* (19 January, 2017)

Essays published on *Extinct: The Philosophy of Paleontology Blog* (www.extinctblog.org)

- 2019 “The Future Geologist and the Anthropocene,” with Adrian Currie (1 August, 2019).
- “Hype and Trust: A Discussion of Elizabeth D. Jones’s paper, “From Ancient Genetics to Ancient Genomics: Celebrity and Credibility in Data-Driven Practice,” with Joyce Havstad (1 June, 2019).
- “Not in My Boneyard: Why the Society for Vertebrate Paleontology is Suing the Trump Administration” (1 April, 2019)
- “Data, Text, and Simulation: Alisa Bokulich’s ‘Using Models to Correct Data: Paleodiversity and the Fossil Record,” with Adrian Currie (1 February 2019)
- 2018 “A Metasequoia Moment” (1 October 2018)
- “History and Value” (2 April 2018)
- 2017 “Remeasuring *Pisanosaurus*” (13 November 2017)
- “Dinosaur at the Gas Station” (16 October, 2017)
- “Natural Theology Still Shapes How We Think About Fossils” (11 September, 2017)
- “Adding Mary Anning: Reflections on Confederate Nostalgia, Counterfactual History, and the History of Paleontology” (14 August, 2017)
- “The Transformative Value of Fossils” (10 July, 2017)
- “Gypsy Moths and Devonian Invasions” (12 June, 2017)
- “From the War of Nature” (8 May, 2017)
- “Some Questions About Dinosaur Hips” (10 April, 2017)
- “The Wilderness Before Time” (6 March, 2017)
- “Four Features of Historical Counterfactuals” (6 February, 2017)
- “Science, Religion, and Bad Poetry” (2 January, 2017)
- 2016 “Artificial Species Selection” (21 November, 2016)
- “Why Don’t They Call It Stagnating Selection?” (24 October, 2016)
- “Site-Specific Teaching in New England’s Dinosaur Country” (26 September, 2016)
- “Are Dinosaurs Overrated?” (22 August, 2016)
- “Paleoaesthetics in the Bisti Badlands” (25 July, 2016)
- “The Macroevolutionary Puzzle of the Cycads” (20 June, 2016)
- “Leave No Trace: Reflections on Cryptobiology, Living Fossils, and Pseudoscience” (23 May, 2016)
- “Extinction and Expiration Dates: A Conversation with Joyce Havstad about Species Selection” (18 April, 2016)
- “Conservation Paleobiology” (21 March, 2016)

February, “Nemesis Strikes Back: Lisa Randall’s *Dark Matter and the Dinosaurs*” (15 2016)

“What if Prehistory” (18 January 2016)

“Plus ça Change, or the Importance of Going Extinct” (4 January, 2016)

Writing on Teaching

2005 Turner, D., “Thinking Across the Disciplines: Helping students become reflective thinkers is everyone’s job,” *NEA Higher Education Advocate* 22(June 2005): 5-8.

Letter to the Editor

2006 Turner, D., and M. Patterson, “The Language of Fighting Invasive Species,” *Science* (17 February 2006), p. 951.

Conference Presentations

2020 With Michelle Turner, “Ancient Aliens as a Conspiracy Theory,” Institute for American Indian Studies, Washington, CT, Roundtable on Pseudoarchaeology and its Impact on Native American Studies, October 30, 2020 [remote].

2019 “Susanne K. Langer’s Process Philosophy of Biology,” International Society for History, Philosophy, and Social Studies of Biology, Oslo, Norway, July 2019.

“Archaeological Research as Aesthetic Engagement” Pacific Division Meeting, American Philosophical Association, Vancouver, Canada, April 2019.

2018 “Historicity and Explanation,” with Marc Ereshefsky, Philosophy of Science Association, Seattle, WA, November 2, 2018.

“The Functional Beauty of Fossils: Aesthetic Values in Paleontological Reconstruction,” Society for Philosophy of Science in Practice, Ghent, Belgium, June 30, 2018.

2017 “Beyond Stabilizing Selection: A Hierarchy of Models for Explaining Evolutionary Stasis,” Philosophy of Paleontology Retreat, Dinosaur Provincial Park, Alberta, Canada, August 26, 2017.

“Realism and Paleontological Epistemology,” Pre-Conference workshop on “Thinking About Fossils,” Society for Vertebrate Paleontology, Calgary, Canada, August 22, 2017.

2016 “Increasing Complexity in Explanations of Macroevolutionary Stasis,” Philosophy of Science Association, Atlanta, GA, November 3, 2016.

“Rewilding as a Conservation Strategy,” North American Congress for Conservation Biology,” Madison, WI, July 17-20, 2016

2015 “De-extinction, biodiversity loss, and artificial species selection,” International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) Montreal, July 2015.

- “Historicity and historical counterfactuals,” panel discussion on the Methodological and Epistemic Upshots of Historicity, ISHPSSB Montreal, July 2015.
- 2013* “The Unextinct: The place of living fossils in evolutionary theory,” International Society for History, Philosophy, and Social Studies of Biology (ISHPSSB), Montpellier, France, July 10, 2013.
- “Contingency and the Explanation of Macroevolutionary Trends,” Symposium on “How macro-evolutionary studies call for an extended synthesis,” at the AAAS meeting, Boston, MA, February 17, 2013.
- 2012* “Contingency and the Explanation of Historical Trends,” Symposium on Historical Contingency and Explanation, Philosophy of Science Association (PSA), San Diego, CA, November 15, 2012.
- “The Relaxed Forces Strategy for Testing Natural State Theories: The Case of the ZFEL,” University of Pittsburgh, Center for Philosophy of Science, 7th Quadrennial Fellows Conference, University of Mugla, Turkey, June 12-14, 2012.
- “The Relaxed Forces Strategy for Testing Natural State Theories: The Case of the ZFEL,” Philosophy of Biology at Madison (POBAM) workshop, University of Wisconsin - Madison, June 2012.
- 2011* “McShea and Brandon’s Zero-Force Evolutionary Law (ZFEL) and the Distinction Between Passive and Driven Evolutionary Trends,” International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), Salt Lake City, UT, July 10-15, 2011.
- “What Should Environmentalists Think About Recent Developments in Paleogenomics?” Group Meeting of the International Society for Environmental Ethics, held in conjunction with the Pacific APA, San Diego, CA, April 2011.
- 2010* “Molecular Clocks and the Meaning of ‘Fossils’,” Boulder Conference on the History and Philosophy of Science, University of Colorado Boulder, October 22, 2010.
- “Contingency and Relative Significance Debates in Biology,” with Andrew Margenot (Connecticut College, Class of 2010), at the Pacific Division Meeting of the American Philosophical Association, San Francisco, CA, March 31, 2010.
- 2009* “Historical Trends and Philosophical Theories of Causation,” at the second biennial meeting of the Society for Philosophy of Science in Practice (SPSP), Minneapolis, MN, June 18-21, 2009.
- “Why Not NIMBY?” with Simon Feldman, at a group meeting of the International Society for Environmental Ethics, held in conjunction with the Central APA meeting, Chicago, IL, February 2009.
- 2008* “Cost/Benefit Analysis and Irreversible Damage,” Energy and Sustainability Conference, University of Tennessee-Knoxville, April 11, 2008.
- 2007* “Historical Contingency, Numerical Modeling, and Local Underdetermination,” at the first biennial meeting of the Society for Philosophy of Science in Practice, University of Twente, Enschede, The Netherlands, August 23-26, 2007.

- 2006 “The Trendiness of Paleobiology,” at the International Society for History, Philosophy, and Social Studies of Biology at Exeter, UK, July 25-29, 2007.
- 2006 “Bryan Norton on Sustainability,” at the 2nd Midwest Environmental Ethics Conference on “Making Ethics Visible,” University of St. Thomas, St. Paul, MN, May 6, 2006.
- 2005 “Just Another Drug? A Philosophical Assessment of Randomized, Controlled Studies of Intercessory Prayer,” International Society for the History, Philosophy, and Social Studies of Biology, Guelph, Ontario, July 14, 2005.
- 2005 “Reformulating the Precautionary Principle,” with Kate Kovenock (Connecticut College, Class of 2005), Central Division Meeting of the American Philosophical Association, Chicago, IL, April 27-30, 2005.
- 2005 “Reformulating the Precautionary Principle,” with Kate Kovenock (Connecticut College, Class of 2005), International Society for Environmental Ethics Group Meeting, held in conjunction with the American Philosophical Association Pacific Division Meeting, San Francisco, CA, March 23-27, 2005.
- 2004 “Universal Darwinism and Process Essentialism,” at the Congress on Evolutionary Epistemology, Language, and Culture, hosted by the Department of Logic and Philosophy of Science, Vrije Universiteit Brussels, Belgium, May 26-28, 2004.
- 2004 “Pre-Emptive War and the Precautionary Principle,” at the 14th North American Interdisciplinary conference on Environment and Community, Empire State College, Saratoga Springs, NY, February 19-21, 2004.
- 2003 “Vagueness and Ambiguity in the Precautionary Principle,” with Lauren Hartzell (Stanford University), at the Eastern Division Meeting of the American Philosophical Association, Washington, DC, December 27-30, 2003.
- 2003 “Biomechanical Laws in Paleontology,” at the International Society for History, Philosophy, and Social Studies of Biology, Vienna, Austria, July 16-20, 2003.
- 2002 “Consistent Belief and Stable Belief,” at the Southern Society for Philosophy and Psychology, Nashville, TN, March 28-30, 2002.
- 2002 “Pluralism about Species Concepts and the Value of Species,” at the Lilly Fellows Program National Research Conference on Ecology, Theology, and Judeo-Christian Environmental Ethics, University of Notre Dame, February 21-24, 2002.
- 2001 “The Role of Analogy in Reverse Engineering,” at the International Society for the History, Philosophy, and Social Studies of Biology, Quinnipiac, CT, July 18, 2001.
- 2001 “How Do Memes Replicate?” at the Southern Society for Philosophy and Psychology, New Orleans, LA, April 13, 2001.
- 2001 “Minimal Epistemology: Prospects and Problems,” with Brian Ribeiro, at the Philosophical Collaborations Conference, Southern Illinois University, Carbondale, IL, March 2, 2001.
- 2001 “Epistemology Minimized,” at the Southern Society for Philosophy and Psychology, Atlanta, GA, April 21, 2001.

1999 “Having Within Me the Idea of God: An Interpretation of Descartes’ Third Meditation,” at the 31st Annual Meeting of the Tennessee Philosophical Association, Vanderbilt University, November 6, 1999.

1997 “Why Duckbills Didn’t Like Water: Explanation and Inference in Functional Morphology,” at the 29th annual meeting of the Tennessee Philosophical Association, Vanderbilt University, November 8, 1997.

Invited Talks

2020 “Historical Science as Aesthetic Engagement,” Florida State University, January 31, 2020.

2018 “Paleoaesthetics and the Practice of Paleontology,” Wesleyan University, November 6, 2018

“Have Philosophers Helped Us Understand Macroevolution?” Werkmeister Conference on the History and Philosophy of Evolutionary Biology, Florida State University, September 28, 2018.

“Realism and the Aesthetic Dimensions of Earth Science,” workshop on Scientific Realism and the Earth Sciences, Durham University, UK, January 15-16, 2018.

2017 “Explaining Evolutionary Stasis,” University of Pennsylvania, Department of Earth and Environmental Sciences, December 1, 2017.

“Using Dinosaurs to Introduce History and Philosophy of Science,” University of Calgary, Science Teaching Forum, March 23, 2017.

“What if Prehistory: Counterfactual Reasoning About the Deep Past,” University of Alberta, Edmonton, Canada, February 16, 2017.

“The Meaning of Living Fossils,” University of Calgary, Philosophy Department Colloquium, Calgary, Canada, January 13, 2017.

2016 Philosophy of paleontology panel discussion, Linfield College, McMinnville, OR, January 22, 2016.

2015 “Historical Counterfactuals in Archaeological Reasoning,” Cotsen Institute of Archaeology, UCLA, November 20, 2015.

“Models for Explaining Evolutionary Stasis,” Colloquium talk, Konrad Lorenz Institute, Klosterneuburg, Austria, October 27, 2015.

“Realism and Historical Science,” Institute d’histoire et philosophie des sciences et des techniques (IHPST), Paris, January 15, 2015.

“Prediction in the Earth Sciences,” Department of Geosciences, École Normale Supérieure, Paris, January 14, 2015.

2014 “What is a fossil?” Boston Colloquium for Philosophy of Science, Boston University, November 21, 2014.

“Darwin on the Evolution of Conscience,” Evolutionary studies (EvoS) seminar series, Binghamton University, September 22, 2014.

- “A Second Look at the Colors of the Dinosaurs,” Keynote talk for a workshop on *Rock, Bone, and Ruins: Evidence and Confirmation in Historical Science*, University of Sydney, Centre for the Foundations of Science, May 8-9, 2014.
- 2013 “Philosophy of Natural Historical Science: The Lay of the Land,” Keynote address, Montana State University Earth Sciences Colloquium, April 12, 2013.
- 2012 “Why Not NIMBY?” with Simon Feldman, American Experience Lecture Series, University of Connecticut, Avery Point, September, 2012.
- “A Second Look at the Colors of the Dinosaurs,” colloquium on *The New Generation of Historical Case Studies in the Realism Debate*, Durham University, UK, September 7-8, 2012.
- 2011 “The Meaning of Fossils and the Incompleteness of the Fossil Record,” University of Helsinki, Finland, December 5, 2011.
- “Ecological Restoration, Bioconservatism, and the Science (Fiction) of Extinction Reversal: A Case of Conflicting Ethical Commitments,” University of Turku, Finland, workshop on recreating extinct species, December 2, 2011.
- 2010 “Molecular Clocks and the Meaning of the Fossil Record,” University of Connecticut, Department of Integrative Geosciences, November 2, 2010.
- “Taking Spencer (A little too) Seriously: Non-Darwinian Ideas in Post-revolutionary Paleontology,” Florida State University, April 16, 2010.
- 2009 “An Evolutionist’s Doubts About Methodological Naturalism,” University of Georgia, September 4, 2009.
- 2008 “Varieties of Evolutionary Contingency,” University of New Hampshire, November 14, 2008.
- “What is Evolutionary Contingency?” University of Alabama in Huntsville, October 31, 2008.
- “How Much Can We Know About the Causes of Evolutionary Trends?” Tufts University, September 26, 2008.
- “Gould vs. Conway Morris: Can Experimental Evidence Help Settle the Dispute?” Werkmeister Workshop, Florida State University, March 20, 2008.
- “Passive vs. Driven Evolutionary Trends,” University of Pittsburgh, Center for Philosophy of Science, January 15, 2008.
- 2006 “Irreversible Damage,” Yale Interdisciplinary Center for Bioethics, July 28, 2006.
- 2005 “Critical Thinking Across the Disciplines,” at Worcester State College, Worcester, MA, November 10, 2005.
- 2002 “Paleontology and the Pessimistic Induction,” Werkmeister Workshop, Florida State University, March 22-24, 2002.

Commentaries

- 2018 Comments on Adrian Currie’s *Rock, Bone, and Ruin: An Optimist’s Guide to the Historical Sciences* (MIT Press, 2018), Author-Meets-Critics session, Society for Philosophy of Science in Practice, Ghent, Belgium, June 30, 2018.

- 2011 “Moral Friction,” by Ben Hale, at the International Society for Environmental Ethics group meeting to be held in conjunction with the Eastern Division meeting of the American Philosophical Association, Washington DC, December 29, 2011.
- 2010 “Projective Evidence and the Heterogeneity of Scientific Confirmation: The Case of Organic Fossil Origins,” by Kyle Stanford. Henle Conference on Experimental and Theoretical Knowledge, Saint Louis University, March 26-27, 2010.
- 2009 “Newtonian Forces and Evolutionary Biology: A Problem and Solution for Extending the Force Interpretation,” by Joshua Filler, Pacific Division Meeting of the American Philosophical Association (APA), Vancouver, BC, April 9, 2009.
- 2007 “Naturalism vs. Non-Naturalism in Environmental Ethics,” by Bryan Norton, keynote address at the joint meeting of the International Society for Environmental Ethics (ISEE) and the International Association for Environmental Philosophy (IAEP), Allenspark, CO, May 2007.
- 2006 *The Pine Island Paradox*, by Kathleen Deane Moore. Author Meets Critics Session sponsored by the International Society for Environmental Ethics, in conjunction with the Pacific Division Meeting of the American Philosophical Association, Portland, OR, March 2006.
- “Virtue and Reliability,” by Jason Baehr, at the Pacific Division Meeting of the American Philosophical Association, Portland, OR, March 2006.
- 2004 “The Priority of Biology Over Ideology,” by Clarence Mark Phillips, at the Southern Society for Philosophy and Psychology, New Orleans, LA, April 2004.
- “Science Founded on Skepticism: Is Hume Entitled to the Title Principle?” at the Central Division Meeting of the American Philosophical Association, Chicago, IL, April 24-27, 2004.
- 2002 “Ecological Rationality and Internalist Justification,” by Daniel Weiskopf, at the Society for Philosophy and Psychology, Edmonton, Alberta, Canada, June 19-22, 2002.
- “Negligence and Epistemic Justification,” by Andrei Buckareff, at the Southern Society for Philosophy and Psychology, Nashville, TN, March 28-30, 2002.
- 2000 “Exercising Quality Control Over our Children: A Utilitarian Look at Genetic Technology, Reproduction, and Equality,” at the 32nd Annual Meeting of the Tennessee Philosophical Association, Vanderbilt University, Nashville, TN, November 11, 2000.
- “A Quiet Victory for Virtue Epistemology,” by Heather Battaly, at the Mid-South Philosophy Conference, Memphis, TN, February 25, 2000.

Other Conference Participation

- 2018 Session Organizer, Author-Meets-Critics session on Adrian Currie’s *Rock, Bone, and Ruin: An Optimist’s Guide to the Historical Sciences* (MIT Press, 2018). Society for the Philosophy of Science in Practice, Ghent, Belgium, June 2018.
- Session Organizer, Values in the Practice of Archaeology and Paleontology, Society for the Philosophy of Science in Practice, Ghent, Belgium, June 2018.

- 2012* Session Chair, University of Pittsburgh Center for Philosophy of Science, 7th Quadrennial Fellows Conference, University of Mugla, Turkey, June 12-14, 2012.
- 2011* Session Chair, Group meeting of the International Society for Environmental Ethics, held in conjunction with the Eastern APA, Washington, DC, December 29, 2011.
- 2008* Session Chair/Invited Discussant, Conference on Naturalized Philosophy of Mind and Language, in honor of Ruth Garrett Millikan, University of Connecticut, October 3-4, 2008.
- Session Chair, Central Division Meeting of the American Philosophical Association, Chicago, IL, April 18-20, 2008.
- 2005* Session Chair, International Society for History, Philosophy, and Social Studies of Biology, Guelph, Ontario, July 13-17, 2005.
- 2003* Session Chair, International Society for History, Philosophy, and Social Studies of Biology, Vienna, Austria, July 16-20, 2003.

Funding (Internal Connecticut College funding unless otherwise specified)

- 2001 - 2019* Regular R.F. Johnson funding for conference travel
- 2019* Open Educational Resources (OER) Grant (\$5,000) to support production of an open access logic text.
- 2014* Research Matters Grant for International Travel (\$850)
- 2013* Research Matters Grant for Philosophy Faculty/Student Writing Group (\$300)
- 2012* Center for Philosophy of Science, University of Pittsburgh, Travel Grant (\$600)
- Research Matters Grant for International Travel (\$600)
- President's Fund for Faculty-Student Engagement, support for a workshop with visiting philosopher Allan Hazlett, with Simon Feldman (\$500)
- 2011* President's Fund for Faculty-Student Engagement, honoraria and expenses for guest speakers for the Goodwin-Niering Center Certificate Seminar (\$450)
- 2004* Center for Teaching and Learning grant for workshops on Teaching Critical Thinking Across the Disciplines, with Michael Lynch (\$750)

Professional Service

- July 2021* Workshop coordinator (with Simon Feldman), "Best Practices in Teaching Philosophy at Small Colleges," Council of Independent Colleges (CIC) summer institute on New Currents in Teaching Philosophy. Postponed from July 2020 due to Covid-19.
- 2020* External reviewer, distinguished university professorship, CU Boulder.
- Spring 2019* External consultant, Department of Philosophy and Religious Studies, Sacred Heart University, Fairfield CT (including a visit to the department, observations of teaching, and completion of a report on the philosophy curriculum).

2019 - present	Editorial board, <i>Philosophy of Science</i>
2016 - present	Co-founder and co-editor of <i>Extinct: The Philosophy of Paleontology Blog</i> (www.extinctblog.org)
2004 - present <i>Biomedical</i>	Editorial Board, <i>Studies in History and Philosophy of Science C: Biological and Sciences</i> .
2018 - 2019	Program Committee, European Philosophy of Science Association (EPSA)
2018	External Committee member for Joshua Duclos, PhD candidate in Philosophy, Boston University, "Value, Morality, and Wilderness"
2016	Tenure review, Case Western University Promotion review, University of Akron National Science Foundation, grant proposal review
2012	Tenure review, University of Akron External Committee member for Elizabeth Dobson, M.A. candidate in History and Philosophy of Science, Florida State University, "The Search for Ancient DNA, the Meaning of Fossils, and Paleontology in the Modern Evolutionary Synthesis"
2011	Promotion review, Drew University

Service as Referee

<i>Occasional</i>	<i>Biology and Philosophy</i> <i>British Journal for the Philosophy of Science</i> <i>Ethics, Policy, and Environment</i> <i>International Studies in Philosophy of Science</i> <i>Philosophy of Science</i> <i>Studies in History and Philosophy of Biology and Biomedical Sciences</i> <i>Synthese</i> <i>Environmental Values</i>
<i>At least once</i>	Cambridge University Press <i>Cell Biology Education</i> <i>Environmental Values</i> <i>Environment and Behavior</i> <i>Evolutionary Biology</i> <i>Genes</i> Geological Society of America 125 th anniversary volume, 2012. <i>Historical Biology</i> <i>Journal of Medical Ethics</i> MIT Press Oxford University Press <i>Paleontographica Canadiana</i> <i>Philosophy and Technology</i> Princeton University Press <i>Science of the Total Environment</i> <i>Studies in History and Philosophy of Modern Physics</i> <i>The Journal of Philosophy</i>

Theory in Biosciences
 University of Chicago Press
 Westview Press

Professional Affiliations

American Philosophical Association
 Philosophy of Science Association
 International Society for History, Philosophy, and Social Studies of Biology
 International Society for Environmental Ethics

Professional Development

2015 MBL-ASU History of Biology Seminar, Perspectives on Stephen Jay Gould, Woods Hole, MA, *May 13-20, 2015*.

2012 AASHE workshop on Sustainability in the Curriculum, Emory University, *January 2012*.

2005 Faculty Summer Institute on the Ethical, Legal, and Social Implications of the Human Genome Project, Dartmouth College Ethics Institute, *July 24-29, 2005*

Courses Taught at Connecticut College | 2001-present

<i>Introductory</i>	The Meaning of Dinosaurs Introduction to Philosophy	3x regularly
	Logic (deductive) Skepticism	regularly 1x
<i>Historical survey</i>	History of Ancient Philosophy History of Modern Philosophy	2x 2x
<i>Mid- to upper-level Undergraduate</i>	Philosophy of Science Philosophy of Biology Symbolic Logic and Philosophy Biological Theories of the Mind Environmental Philosophy Bioethics The Science and Ethics of Extinction The Nature of the Emotions	regularly regularly 3x 2x regularly 3x regularly 2x
<i>Upper-level undergraduate seminars</i>	Hume Darwin and the Impact of Evolutionary Thought Experimental Philosophy The Philosophy of Susanne K. Langer	2x regularly 1x spring 2021

<i>Goodwin-Niering</i>	Wilderness	1x
<i>Center Seminars</i>	Animal Ethics	1x
<i>in Environmental</i>	The Health of Nature and the Nature of Health	1x
<i>Studies (2-credit)</i>	Food Sustainability	1x
	Environmental Aesthetics	2x
	Pests and Pesticides	1x
	Puzzles About Posterity	1x
	Optimism, Pessimism, Hope and Despair	1x
	Race and American Environmentalism	1x

Graduate Course, Evolution Summer School, Lisbon, Portugal | 2013

Issues in Macroevolutionary Theory

Courses Taught at Vanderbilt University | 1998-2001

<i>Introductory</i>	Introduction to Philosophy
	Logic
<i>Mid- to upper-level</i>	Metaphysics
<i>undergraduate</i>	Philosophy of Religion
	Philosophy of Science
	Moral Problems

Senior Honors Thesis Supervision (2 semester projects)

<i>2020-21</i>	Ahmed AboHamad, Emotions and Value Judgments in Biological Sciences, ConnSSHARP grant for summer research
<i>2015-16</i>	Caitlin Persa (Environmental Studies), NIMBY Opposition to Wind Energy Development
<i>2013-14</i>	Ryanne Davis, Shyness, Introversion, and Oppression Norah Hannel, The Concept of Nostalgia
<i>2010-11</i>	Ian Henneberger, Distributive Justice and Health Care
<i>2009-10</i>	Charles van Rees (Environmental Studies) The Concept of Biodiversity Andrew Margenot, Synthetic Biology, ConnSSHARP grant for summer research
<i>2007-08</i>	Will Henrich, Wittgenstein's later work
<i>2006-07</i>	Alyse LaLiberte, Ethical Issues in Stem Cell Research
<i>2004-05</i>	Kate Kovenock, Beyond the Genetic Link: Rethinking the ART Review Process, ConnSSHARP summer research Zack Jonas, Agent Causation Emma Kagel, To Engage or Not to Engage in Prenatal Testing

2002-03 Siobhan Jamsa, Ethical Egoism
 Lauren Hartzell, Obligations to Future Generations

Individual Study Supervision (1 semester projects)

2021 Ella Rumpf, Zero-Waste as an Ethical Ideal
 Zak Danz, The Nature of the Emotions
 Arden Haggin and Remie Hochman, Symbolic Logic and Philosophy

2020 Katherine Davis and Brendan Stiltner, Symbolic Logic and Philosophy
 Katherine Davis and Brendan Stiltner, Logic Teaching Assistantship
 Julia Neumann, Sense of Place
 Dashiell Hunter, Environmental Ethics and Space Exploration

2019 Evan O'Donnell and Camden Wagner, Logic Teaching Assistantship
 Chloe Mayhew, Urban Rewilding

2018 Ariane Buckenmeyer, The Burgess Shale Debate (co-advisor with Phil Barnes, Department of Biology)

2017 Mimi Crawford and Ege Sakirt, Logic Teaching Assistantship
 Kelli Carlson, Environmental Aesthetics and Green Design

2016 Mimi Crawford, Ege Sakirt, and Brandon Small, Formal Logic and Philosophy of Logic
 Ramzi Kaiss, Historical Counterfactuals

2015 Rachel Grasfield and Billy Sheehan, Logic Teaching Assistantship
 Jessica Wright, The Ethics of Radical Environmental and Animal Activism
 Maeve Kidney, The Ethics of Keeping Wild Animals in Captivity

2014 Jasmine Kelekay, Karl Marx
 Gabe Plummer, Logic Teaching Assistantship

2013 David Rex, Kierkegaard
 Matt Rolin, Theories of Truth
 Christina Fogarasi, Spinoza, Leibniz, Hume, Kant

2012 Genevieve Harding, Agriculture, Agrarianism, and Sustainability
 Talha Mohsin, Formal Logic and Philosophy of Logic
 Elizabeth Krieg, Genethics (co-advisor with Phil Barnes, Department of Biology)
 Greg Goodfellow, Pessimism and Environmental Philosophy
 Alvaro Beltran, The Placebo Effect and Placebo Prescription in the US and UK.

2011 Carra Cheslin, Ethics and Environmental Activism

2010 Carra Cheslin, Climate Change Adaptation

	Adam Sleeper, Formal Logic and Philosophy of Logic
<i>2009</i>	Natalie Theys, Rebecca Cope, Carra Cheslin, Environmental Philosophy
	Jeff Nemec, The Wilderness Debate
	John Muse, Privacy and Genetic Testing
	Will Ball and Neema Nassiri-Motlagh, Wittgenstein's later work
<i>2007</i>	Jemma Wolcott-Green, The Placebo Effect
	Eric Cloutier, Evolution and Meta-ethics
	Kata Franczyk, Problems in Genetic Counseling and the Diagnosis of Developmental Disability.
	Will Ball and Neema Nassiri-Motlagh, Quine
<i>2005</i>	Johannah Blackman, Spinoza
<i>2004</i>	Lydia Littwin, Genetically Modified Foods
	Jared Tester, William James and Richard Rorty
<i>2003</i>	Stefan Apse, Animal ethics
	Katie Jones, Wilderness and the Leave No Trace Ethic
<i>2002</i>	Dan Cayer, Guthrie Jones, Joey Solomon, Matt Elliott, Environmental Philosophy

Significant Service to Connecticut College

<i>2020 - 2021</i>	Faculty Steering and Conference Committee (elected, Chair-elect)
<i>2020</i>	Academic Continuity Working Group
<i>2018 - 2020</i>	Faculty Meeting Presider (elected)
<i>2018 - 2020</i>	Co-coordinator, Center for Teaching and Learning, Talking Teaching Series
<i>2018 - present</i>	Fellowships Committee (working with Fulbright, Marshall, and Rhodes applicants)
<i>2017 - present</i>	Behavioral Neuroscience Advisory Committee
<i>2011 - present</i>	Environmental Studies affiliated faculty member (includes advising ES majors and attending ES program meetings)
<i>2018 - 2019</i>	Film Studies search committee (visiting)
<i>2017 - 2019</i>	Committee on Appointments, Promotion, and Tenure (elected)
<i>2017</i>	Campus Food Services Working Group (appointed)
<i>2010 - 2015</i>	Institutional Animal Care and Use Committee (IACUC)
<i>2013 - 2015</i>	Budget Equity Group (a team of four department chairs reporting to the Dean of the Faculty)
<i>2014 - 2015</i>	Co-organizer, Research Matters faculty development workshops
	Psychology search committee (visiting)

<i>2012 - 2014</i>	Committee on Appointments, Promotion, and Tenure (elected)
<i>2011 - 2012</i>	Acting Associate Director, Goodwin-Niering Center for the Environment
<i>2010 - 2011</i>	Film Studies search committee (tenure track)
<i>2009 - 2011</i>	Faculty Steering and Conference Committee (elected). Priorities, Planning and Budget Committee (FSCC liaison) Residential Education Fellow (organized intellectual events in the residence halls)
<i>2006 - 2007</i>	President, Phi Beta Kappa, Delta of Connecticut Chapter Co-Chair, Presidential Committee on Celebrating Community (reporting to the incoming president, Lee Higdon) Philosophy Search Committee (tenure track) Search Committee, Roth Writing Center Director
<i>2005 - 2007</i>	Watson Fellowship Selection Committee
<i>2005 - 2006</i>	Phi Beta Kappa, Delta Chapter of Connecticut, Vice President (responsible for fundraising and administering the alumni scholarship) Philosophy Search Committee (tenure track) Organizer, Center for Teaching and Learning, Talking Teaching series
<i>2003 - 2006</i>	Priorities, Planning and Budget Committee (elected)
<i>2004 - 2005</i>	Philosophy Search Committee (tenure track) German Search Committee (visiting)
<i>Occasional</i>	Phi Beta Kappa, Delta of Connecticut, Scholarship Committee Goodwin-Niering Center for the Environment, selection committee Goodwin-Niering Center for the Environment, biennial conference planning Coordinating the Philosophy Department lecture series Organizing endowed lectures for the Goodwin-Niering Center (Lambert Lectures) and the Philosophy Department (Sykes Lectures).

Extra-academic Service

<i>2009 - 2015</i>	Appointed representative from the town of Haddam, CT, to the Connecticut River Gateway Commission (www.ctrivergateway.org).
<i>2012 - 2015</i>	Gateway Commission Finance Committee. Worked with financial advisors to manage the Gateway Commission's endowment.

[References Available Upon Request.]

