

Derek D. Turner

Philosophy of Science | Environmental Philosophy

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Academic Appointments

Professor of Philosophy, Connecticut College, *2015-present*
Associate Director, Goodwin-Niering Center for the Environment, Connecticut College, *2014-present*,
Acting Associate Director, *2011-12*
Chair, Department of Philosophy, Connecticut College, *2011-2015*
Associate Professor of Philosophy, Connecticut College, *2007-2015*
Assistant Professor of Philosophy, Connecticut College, *2001-07*
Lecturer, Vanderbilt University, *2000-01*

Education

Ph.D. Vanderbilt University, Nashville, TN, *December 2000*
Dissertation: "Evolution and Inquiry: An Analogy." Committee: John F. Post (supervisor),
Ruth Garrett Millikan, Jeffrey Tlumak, Lenn Goodman, John Compton.
M.A. Vanderbilt University, *August 1999*
B.A. Philosophy and German Studies, American University, Washington, DC, *May 1996*
(*magna cum laude*, University Honors)

Visiting Research Fellowships & Guest Teaching

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

Books

Antirealism, Paleoaesthetics, and the Practice of Paleontology, under contract with Cambridge
University Press, manuscript due June 2018. This is a short (ca. 30,000 word) book for the new
[Cambridge Elements](#) series.

Paleontology: A Philosophical Introduction. Cambridge University Press, 2011.

Turkish translation, Bogaziçi University Press, 2014. Translated by Nivart Tasçi.

Reviews:

Alan Love, *Notre Dame Philosophical Reviews* (18 Dec 2011).

Chris Haufe, *Isis* 103(2012): 629-630.

David Sepkoski, *Metascience* 21(2012): 363-366.

Keynyn Brysse, *International Studies in Philosophy of Science* 26(2012): 111-114.

Making Prehistory: Historical Science and the Scientific Realism Debate. Cambridge University Press, 2007.

Reviews:

Stathis Psillos, *Notre Dame Philosophical Reviews* (11 May 2008).

Aviezer Tucker, *Journal of the Philosophy of History* 3(2009): 1-10.

Jonathan Kaplan, *Quarterly Review of Biology* 83(2008): 196.

Dana Tulodziecki, *Metascience* 17(2008): 323-326.

Keynyn Brysse, *Annals of Science* 67(2010): 569-575.

Ben Jeffares, *Biology and Philosophy* 25(2010): 125-142.

Awards

Nancy Batson Nisbet Rash Award for Excellence in Research, Connecticut College, 2017

Book Prize for Excellence in Advising, Mellon Mays Undergraduate Fellowship (MMUF) Program, Connecticut College, 2015.

John S. King Faculty Award for Excellence in Teaching, Connecticut College, 2007

Franklin J. Matchette Foundation Award for Excellence in Teaching, Vanderbilt University, 1999

Journal Articles

“*” indicates a student co-author

In preparation: Ereshefsky, M., and Turner, D., “Historicity and Explanation”

In preparation: Turner, D. “What if Prehistory: Assessing Counterfactuals about the Deep Past.”

Under Review: Turner, D. “In Defense of Living Fossils,” *Biology and Philosophy*

Turner, D. “De-extinction as artificial species selection,” *Philosophy and Technology* (2016),
doi:10.1007/s13347-016-0232-4.

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. doi:10.1016/j.shpsa.2015.09.003

Turner, D. “A Second Look at the Colors of the Dinosaurs,” *Studies in History and Philosophy of Science A* (2015). doi:10.1016/j.shpsa.2015.08.012.

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.

Inkpen, R. & Turner, D., “The Topography of Historical Contingency,” *Journal of the Philosophy of History* 6(2012): 1-20.

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. "How Much Can We Know About the Causes of Evolutionary Trends?" *Biology and Philosophy* 24(2009): 341-357.
- 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.
- 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.
- Turner, D. "Misleading Observable Analogues in Paleontology," *Studies in History 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.
- 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.
- 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

- 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.
- 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.
- 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.

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.

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.

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.

Discussion papers

Turner, D. "Biases in the Prioritization of Candidates for De-Extinction," *Ethics, Policy, and Environment* 20(2017): 21-24.

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.

Turner, D. "Comments on Kyle Stanford's, 'Projective Evidence and the Heterogeneity of Scientific Confirmation'," *The Modern Schoolman* LXXXVII (2010): 245-249.

Encyclopedia Entries

In preparation: Turner, D., and J. Havstad, "Philosophy of Macroevolution," commissioned entry for the *Stanford Encyclopedia of Philosophy*.

Turner, D. "Ecosabotage," *Encyclopedia of Environmental Ethics and Philosophy*, edited by J. Baird Callicott and Robert Frodeman, Thomson Gale publishers, 2009, pp. 281-284.

Turner, D. "Snowball Earth," *Encyclopedia of Global Warming and Climate Change*, edited by S. George Philander, Sage Publications, 2008.

Essay reviews (= book reviews that try to say something original)

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 Robert J. Asher, *Evolution and Belief: Confessions of a Religious Paleontologist* (Cambridge University Press, 2012), *Notre Dame Philosophical Reviews* 10 August, 2012.

Available online at: <http://ndpr.nd.edu/news/32417-evolution-and-belief-confessions-of-a-religious-paleontologist/>.

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.

Turner, D. Review of *Defending Science—Within Reason: Between Scientism and Cynicism*, by Susan Haack. *Disputatio* 17(2004): 87-93.

Shorter book reviews

“**” indicates a student co-author

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(2017): 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(2017): 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*, published online 26 April, 2017, DOI 10.1002/ecy.1810.

Turner, D. & M. Young*, Review of Cynthia Willett, *Interspecies Ethics* (Columbia University Press, 2014), *Quarterly Review of Biology* 91(2016): 202.

Turner, D., Review of Beth Shapiro, *How to Clone a Mammoth* (Princeton University Press, 2015), *Quarterly Review of Biology* 91(2016): 73.

Turner D., Review of Kostas Kampourakis, *Understanding Evolution* (Cambridge University Press, 2014), *Quarterly Review of Biology* 90: 215-216.

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.

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), Available online at <http://reports.ncse.com/index.php/rncse/issue/current/showToc>.

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 (June 2012): 138.

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. Available online at <http://ncse.com/rncse/30/review-deep-structure-biology>.

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.

Turner, D., Review of *Defending Science—Within Reason: Between Scientism and Cynicism*, by Susan Haack. *Disputatio* 17(2004): 87-93.

Online Essay

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)

"Remeasuring *Pisanosaurus*," (13 November 2018)

"Dinosaur at the Gas Station," (16 October, 2018)

"Natural Theology Still Shapes How We Think About Fossils," (11 September, 2018)

"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)

"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)

"Nemesis Strikes Back: Lisa Randall's *Dark Matter and the Dinosaurs*" (15 February, 2016)

"What if Prehistory" (18 January 2016)

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

Writing on Teaching

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

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

Conference Presentations

Submitted: Proposal for an 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.

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

"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.

"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

"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.

"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.

"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.

"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.

"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.
- “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.
- “Cost/Benefit Analysis and Irreversible Damage,” Energy and Sustainability Conference, University of Tennessee-Knoxville, April 11, 2008.
- “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.
- “The Trendiness of Paleobiology,” at the International Society for History, Philosophy, and Social Studies of Biology at Exeter, UK, July 25-29, 2007.
- “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.
- “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.
- “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.
- “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.
- “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.
- “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.
- “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.
- “Biomechanical Laws in Paleontology,” at the International Society for History, Philosophy, and Social Studies of Biology, Vienna, Austria, July 16-20, 2003.
- “Consistent Belief and Stable Belief,” at the Southern Society for Philosophy and Psychology, Nashville, TN, March 28-30, 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.

- “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.
- “How Do Memes Replicate?” at the Southern Society for Philosophy and Psychology, New Orleans, LA,” April 13, 2001.
- “Minimal Epistemology: Prospects and Problems,” with Brian Ribeiro, at the Philosophical Collaborations Conference, Southern Illinois University, Carbondale, IL, March 2, 2001.
- “Epistemology Minimized,” at the Southern Society for Philosophy and Psychology, Atlanta, GA, April 21, 2001.
- “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.
- “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

- “Realism and the Aesthetic Dimensions of Earth Science,” workshop on Scientific Realism and the Earth Sciences, Durham University, UK, January 15-16, 2018.
- “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.
- Philosophy of paleontology panel discussion, Linfield College, McMinnville, OR, January 22, 2016.
- “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.
- “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. Video available here:
<http://evolution.binghamton.edu/evos/seminars/fall-2014/derek-turner/>

- “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.
- “Philosophy of Natural Historical Science: The Lay of the Land,” Keynote address, Montana State University Earth Sciences Colloquium, April 12, 2013.
- “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. Video available here: http://www.youtube.com/watch?v=UmDXG_wXavk
- “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.
- “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.
- “An Evolutionist’s Doubts About Methodological Naturalism,” University of Georgia, September 4, 2009.
- “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.
- “Irreversible Damage,” Yale Interdisciplinary Center for Bioethics, July 28, 2006.
- “Critical Thinking Across the Disciplines,” at Worcester State College, Worcester, MA, November 10, 2005.
- “Paleontology and the Pessimistic Induction,” Werkmeister Workshop, Florida State University, March 22-24, 2002.

Commentaries

- “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.

- “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.
- "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.
- “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.
- 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.
- “The Priority of Biology Over Ideology,” by Clarence Mark Phillips, at the Southern Society for Philosophy and Psychology, New Orleans, LA, April 2004.
- “Ecological Rationality and Internalist Justification,” by Daniel Weiskopf, at the Society for Philosophy and Psychology, Edmonton, Alberta, Canada, June 19-22, 2002.
- “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.
- “Negligence and Epistemic Justification,” by Andrei Buckareff, at the Southern Society for Philosophy and Psychology, Nashville, TN, March 28-30, 2002.
- “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

- Session Chair, University of Pittsburgh Center for Philosophy of Science, 7th Quadrennial Fellows Conference, University of Mugla, Turkey, June 12-14, 2012.
- Session Chair, Group meeting of the International Society for Environmental Ethics, held in conjunction with the Eastern APA, Washington, DC, December 29, 2011.
- 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.
- Session Chair, International Society for History, Philosophy, and Social Studies of Biology, Guelph, Ontario, July 13-17, 2005.
- Session Chair, International Society for History, Philosophy, and Social Studies of Biology, Vienna, Austria, July 16-20.

Funding (Internal unless otherwise specified)

Regular R.F. Johnson funding for conference travel, *2001 - present*

Research Matters Grant for International Travel (\$850), *Spring 2014*

Research Matters Grant for Philosophy Faculty/Student Writing Group (\$300), *Fall 2013*

Center for Philosophy of Science, University of Pittsburgh, Travel Grant (\$600), *Summer 2012*

Research Matters Grant for International Travel (\$600), *Summer 2012*

President's Fund for Faculty-Student Engagement, support for a workshop with visiting philosopher Allan Hazlett, with Simon Feldman (\$500) *Spring 2012*

President's Fund for Faculty-Student Engagement, honoraria and expenses for guest speakers for the Goodwin-Niering Center Certificate Seminar (\$450), *Fall 2011*

Center for Teaching and Learning grant for workshops on Teaching Critical Thinking Across the Disciplines, with Michael Lynch (\$750), *Spring 2004*

Professional Service

Tenure review, Case Western University, 2016

Promotion review, University of Akron, 2016

Tenure review, University of Akron, 2012

Promotion review, Drew University, 2011

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," Spring 2012.

Service as Referee

Editorial board:

Studies in History and Philosophy of Science C: Biological and Biomedical Science, 2004 - present.

Grant Proposal Review:

National Science Foundation, 2016

Occasional refereeing:

Biology and Philosophy

British Journal for the Philosophy of Science

International Studies in Philosophy of Science

Philosophy of Science

Refereed at least once for:

Cell Biology Education

Environmental Values

Environment and Behavior

Evolutionary Biology

Ethics, Policy, and Environment

Geological Society of America 125th anniversary volume, 2012.

Historical Biology

Journal of Medical Ethics

Proceedings of the International Conference on the Cambrian Explosion, 2009, published in

Paleontographica Canadiana

Science of the Total Environment

Studies in History and Philosophy of Modern Physics

Synthese

Theory in Biosciences

Philosophy and Technology

Book proposal and/or manuscript reviews:

MIT Press, 2005, 2016

Cambridge University Press, 2016

Princeton University Press, 2016

Cambridge Introductions to Biology and Philosophy, 2012

Oxford University Press, 2016, 2017

Westview Press, 2009

University of Chicago Press, 2013

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

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

Faculty Seminar on Global Environmental Justice, Connecticut College, *2011-13*

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

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

Faculty Seminar on Interdisciplinarity, Connecticut College, *2003-4*

Tempel Summer Institute on instructional technology, Connecticut College, *2002*

Courses Taught at Connecticut College (2001-present)

Introduction to Philosophy (both historical and problem-oriented)

Logic

Symbolic logic

History of Ancient Philosophy

History of Modern Philosophy

Philosophy of Science
Thinking Philosophically About the Environment
Philosophy of Biology
The Meaning of Dinosaurs
Bioethics
Darwin and the Impact of Evolutionary Thought
Biological Theories of the Mind
The Ethics and Science of Extinction
Hume
First-year seminar on Skepticism
Senior Seminar on Experimental Philosophy
Senior Seminar on The Nature of the Emotions

Goodwin-Niering Center Seminars at Connecticut College (2011 – present)

2-credit evening seminars for students in the Goodwin-Niering Center Certificate Program in Environmental Studies

Wilderness
Animal Ethics
The Health of Nature and the Nature of Health
Food Sustainability
Environmental Aesthetics
Pests and Pesticides
Future Generations

Graduate Course, Evolution Summer School, Lisbon, Portugal (2013)

Issues in Macroevolutionary Theory

Courses Taught at Vanderbilt University (1997-2001)

Introduction to Philosophy
Logic
Metaphysics
Philosophy of Religion
Philosophy of Science
Moral Problems

Senior Honors Thesis Supervision

Caitlin Persa, 2015-16 (Environmental Studies), NIMBY Opposition to Wind Energy Development
Ryenne Davis, 2013-14, Shyness, Introversion, and Oppression
Norah Hannel, 2013-14, The Concept of Nostalgia
Ian Henneberger, 2010-11, Distributive Justice and Health Care
Charles van Rees (Environmental Studies), 2009-10, The Concept of Biodiversity
Andrew Margenot, 2009-10, Synthetic Biology (ConnSSHARP summer research)
Will Henrich, 2007-08, Wittgenstein
Alyse LaLiberte, 2006-07, Ethical Issues in Stem Cell Research
Kate Kovenock, 2004-05, Beyond the Genetic Link: Rethinking the ART Review Process (ConnSSHARP summer research)
Zack Jonas, 2004-05, Agent Causation

Emma Kagel, 2004-05, To Engage or Not to Engage in Prenatal Testing
Siobhan Jamsa, 2002-03, Ethical Egoism
Lauren Hartzell, 2002-03, Obligations to Future Generations and the Future Environment

Individual Study Supervision

Mimi Crawford and Ege Sakirt, Fall 2017, Logic Teaching Assistantship
Kelli Carlson, Fall 2017, Environmental Aesthetics and Green Design
Mimi Crawford, Ege Sakirt, and Brandon Small, Fall 2016, Logic and Philosophy of Logic
Ramzi Kaiss, Spring 2016, Historical Counterfactuals
Rachel Grasfield and Billy Sheehan, Spring 2015, Logic Teaching Assistantship
Jessica Wright, Spring 2015, Ecoterrorism
Jasmine Kelekay, Fall 2014, Karl Marx
Gabe Plummer, Spring 2014, Logic Teaching Assistantship
David Rex, Fall 2013, Kierkegaard
Matt Rolin, Spring 2013, Theories of Truth
Christina Fogarasi, Spring 2013, Spinoza, Leibniz, Hume, Kant
Genevieve Harding, Fall 2012, Agriculture, Agrarianism, and Sustainability
Talha Mohsin, Spring 2012, Logic and Philosophy of Logic
Elizabeth Krieg, Spring 2012, Genethics (co-advisor with Phil Barnes, Department of Biology)
Greg Goodfellow, Spring 2012, Pessimism and Environmental Philosophy
Alvaro Beltran, Spring 2012, The Placebo Effect and Placebo Prescription in the US and UK.
Carra Cheslin, Spring 2011, Ethics and Environmental Activism
Carra Cheslin, Fall 2010, Climate Change Adaptation
Adam Sleeper, Spring 2010, Logic and Philosophy of Logic
Natalie Theys, Rebecca Cope, Carra Cheslin, Spring 2009, Environmental Philosophy
Jeff Nemecek, Spring 2009, The Wilderness Debate
John Muse, Spring 2009, Privacy and Genetic Testing
Will Ball and Neema Nassiri-Motlagh, Spring 2009, Wittgenstein
Jemma Wolcott-Green, Fall 2007, The Placebo Effect
Eric Cloutier, Spring 2007, Evolution and Meta-ethics
Kata Franczyk, Spring 2007, Problems in Genetic Counseling and the Diagnosis of Developmental Disability.
Will Ball and Neema Nassiri-Motlagh, Fall 2007, Quine
Johannah Blackman, Spring 2005, Spinoza
Lydia Littwin, Fall 2004, Genetically Modified Foods
Jared Tester, Spring 2004, William James and Richard Rorty
Stefan Apse, Spring 2003, Animal ethics
Katie Jones, Spring 2003, Wilderness and the Leave No Trace Ethic
Dan Cayer, Guthrie Jones, Joey Solomon, Matt Elliott, Spring 2002, Environmental Philosophy

Selected recent talks and appearances for the Connecticut College community

Featured Discussant, American Studies book discussion of *Fugitive Science*, by Britt Russert, October 2017
Faculty@Work talk, "The Puzzles of Evolutionary Stasis," September 2016
Panelist, discussion of the Flint water crisis, April 2016
Faculty speaker, Phi Beta Kappa Winthrop Scholars Induction Ceremony, February 2016

Faculty speaker, Phi Beta Kappa Winthrop Scholars Induction Ceremony, February 17, 2015

Faculty discussant, screening of *Cowspiracy*, organized by Forest Justice, November 19, 2014

Faculty discussant, screening of *Disruption*, organized by Oceana, October 29, 2014

Residential education discussion on the ethics of GMOS, with Jeff Cole, March 5, 2014.

Faculty discussant, screening of *Blackfish*, organized by Oceana, February 26, 2014.

Moderator for “The Ripple Effect,” a panel discussion on the hypoxic zone in the Gulf of Mexico, organized by Oceana, February 28, 2013.

Panelist and Session Chair at the Goodwin-Niering Center Conference on Global Environmental Justice, April 19-20, 2013.

Featured guest (with Manuel Lizarralde) at a student organized event on food ethics, April 24, 2013.

Explore Weekend sample classes, November 2010, October 7, 2012; October 19, 2013; November 10, 2013; November 9, 2014.

Panelist at a student-organized screening and discussion of *The Cove*, Fall 2012

“The Science and Ethics of Extinction Reversal,” Philosophy Department Pizza & Profundity talk, Fall 2011.

Opening remarks on ecofeminism at a student organized event on “Agency and Agriculture in Afghanistan,” April 13, 2011.

Panel Discussion, *The Immortal Lives of Henrietta Lacks*, Fall Weekend, 2010.

Faculty speaker, Forest Justice benefit event, April 23, 2010.

“Historical Trends and Theories of Causation,” Faculty@Work talk, Fall 2008.

“Can excellence be taught?” Address at the Honors and Awards Ceremony, April 2008.

Moderated a panel discussion on “Science or Fear: A Dialogue on Blood Donation, Gay Men, and Federal Policies,” March 29, 2006.

Service to Connecticut College

CAPT (Committee on Appointments, Promotion, and Tenure)

FSCC (Faculty Steering and Conference Committee)

PPBC (Priorities, Planning, and Budget Committee)

IACUC (Institutional Animal Care and Use Committee)

- 2017-18 CAPT, ES Advisory Board, Behavioral Neuroscience Advisory Committee, Campus Food Services Working Group; Goodwin-Niering Center Admissions Committee; Coordinated Philosophy Department lecture series; Faculty advisor to ConnCARES
- Spring 17 Sabbatical
- Fall 2016 Goodwin-Niering Center Conference Planning Committee (Chair); Goodwin-Niering Center Admissions Committee (Chair); ES Advisory Board
- Spring 16 Philosophy Department search committee (hired Anna Vaughn for a one-year VAP appointment); Goodwin-Niering Center Conference Planning Committee (Chair); ES Advisory Board
- Fall 2015 Sabbatical
- 2014-15 Philosophy Department Chair; Goodwin-Niering Center Associate Director; IACUC; Psychology Department Search Committee; ES Advisory Board; Budget Equity Group (BEG); Goodwin-Niering Center planning committee for the spring 2015 conference on food; Organizing Research Matters faculty development workshops (with Doug Thompson); Faculty Advisor to Oceana; Writing fellow; Writing across the curriculum board
- 2013-14 Philosophy Department Chair; CAPT; IACUC; Faculty Advisor to Oceana; ES Advisory Board; Budget Equity Group (BEG); Goodwin-Niering Center Applications Committee; Goodwin-Niering Center planning committee for the spring 2015 conference on food; PBK, Delta of Connecticut, Scholarship Committee (spring)
- 2012-13 Philosophy Department Chair; CAPT; IACUC; Faculty Advisor to Oceana; ES Advisory Board; Goodwin-Niering Center Applications Committee; General Education Summer Working Group; Planning Committee for the April 2013 Conference on Global Environmental Justice
- 2011-12 Philosophy Department Chair; IACUC; Acting Associate Director, Goodwin-Niering Center; ES Advisory Board; Action Committee on Sustainability in the Curriculum; Planning Committee for the April 2013 Conference on Global Environmental Justice
- 2010-11 FSCC; FSCC Liaison to PPBC (Spring); IACUC; Admissions Liaison Committee; Film Studies Search Committee (hired Ross Morin); Residential Education Fellow; Coordinated Philosophy Department Lecture Series; Honor Code Infusion Committee (Fall); PBK, Delta of Connecticut, Scholarship Committee (Spring); Co-Chair (with Amy Cabaniss), Committee on Sustainability in the Curriculum

- 2009-10 FSCC; FSCC Liaison to PPBC; Residential Education Fellow; PBK, Delta of Connecticut, Scholarship Committee (Spring)
- Spring 09 PPBC (one semester appointment)
- 2008 Post-tenure sabbatical
- Fall 07 Watson Fellowship Selection Committee; IACUC
- 2006-07 Co-Chair, Presidential Advisory Committee on Celebrating Community; PBK, Delta of Connecticut, President; Watson Fellowship Selection Committee; IACUC; Religious Studies Search Committee (for visiting position); Search Committee for Roth Writing Center Director (hired Steve Shoemaker); Philosophy Search Committee (hired Simon Feldman); Planning Committee for the Spring 2007 Goodwin-Niering Center Conference on Biodiversity
- 2005-06 PPBC; Organized Philosophy lecture series; IACUC; Watson Fellowship Selection Committee; PBK, Delta of Connecticut, Vice President (Responsible for alumni scholarship fund); HHMI Pre-health seminar advisory committee (Spring); Organized Talking Teaching series (Spring); Philosophy Search Committee; Planning Committee for the Spring 2007 Goodwin-Niering Conference on Biodiversity
- Spring 05 PPBC; Philosophy Search Committee (hired Andrew Pessin); German Studies Search Committee (hired Marie Stehle)
- Fall 04 Pre-tenure sabbatical; Philosophy Search Committee
- 2003-04 PPBC; Faculty Housing Subcommittee of PPBC; PBK, Delta of Connecticut, Membership Committee (Chair); IACUC; Coordinated Philosophy Department Lecture Series
- 2002-03 PBK, Delta of Connecticut, Membership Committee; Coordinated Philosophy Department Lecture Series; Assessment Subcommittee of EPC; Goodwin-Niering Center Applications Committee

Extra-academic Service

Appointed representative from the town of Haddam, CT, to the Connecticut River Gateway Commission (www.ctrivergateway.org), 2009 - 2015.

Gateway Commission Finance Committee, 2012 - 2015. This committee works with financial advisors to manage the Gateway Commission's endowment.

References available upon request