

Curriculum Vitae
Trevor Pearce
University of Wisconsin-Madison
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AOS: Philosophy of Science, History and Philosophy of Biology, American Pragmatism

AOC: Environmental Philosophy, Philosophy of Social Science, Kant and Post-Kantian Philosophy, Logical Empiricism, History of Modern Philosophy, Continental Philosophy

EMPLOYMENT

- 2011-2013 *Mellon Postdoctoral Fellow in the Humanities*
 Department of Philosophy
 University of Wisconsin-Madison
- 2010-2011 *Postdoctoral Fellow in Philosophy of Science*
 Rotman Institute of Philosophy
 University of Western Ontario
- Postdoctoral Fellow*
 Social Sciences and Humanities Research Council of Canada

EDUCATION

University of Chicago

- 2010 Ph.D. Committee on Conceptual and Historical Studies of Science
- Dissertation: *A Perfect Chaos: Organism-Environment Interaction and the Causal Factors of Evolution*
 - Supervisors: William Wimsatt, Robert Richards, David Jablonski
- 2007 M.Sc. Committee on Evolutionary Biology
- 2007 M.A. Department of Philosophy

University of British Columbia

- 2004 B.A. Department of English
- Minors: Philosophy, Music
- 2004 B.A.Sc. Department of Metals and Materials Engineering
- Graduated with distinction

BOOKS

In preparation

Pragmatism's Evolution: Organism and Environment in Early American Philosophy.

Under contract

Entangled Life: Organism and Environment in the Biological and Social Sciences. Springer.
(Edited with Gillian Barker and Eric Desjardins)

REFEREED ARTICLES

Puzzles for ZFEL, McShea and Brandon's Zero Force Evolutionary Law. (With Martin Barrett et al.)
Biology & Philosophy. In press.

Convergence and Parallelism in Evolution – A Neo-Gouldian Account. *British Journal for the Philosophy of Science* 63 (2012): 429-448.

Evolution and Constraints on Variation: Variant Specification and Range of Assessment. *Philosophy of Science* 78 (2011): 739-751.

Ecosystem Engineering, Experiment, and Evolution. *Biology & Philosophy* 26 (2011): 793-812.

From 'Circumstances' to 'Environment': Herbert Spencer and the Origins of the Idea of Organism-Environment Interaction. *Studies in History and Philosophy of Biological and Biomedical Sciences* 41 (2010): 241-252.

"A Great Complication of Circumstances" – Darwin and the Economy of Nature. *Journal of the History of Biology* 43 (2010): 493-528.

Biomechanics of Byssal Threads outside the Mytilidae – *Atrina rigida* and *Ctenoides mitis*. (With Michael LaBarbera.) *Journal of Experimental Biology* 212 (2009): 1449-1454.

A Comparative Study of the Mechanical Properties of Mytilid Byssal Threads. (With Michael LaBarbera.) *Journal of Experimental Biology* 212 (2009): 1442-1448.

Tonal Functions and Active Synthesis: Hugo Riemann, German Psychology, and Kantian Epistemology. *Integral* 22 (2008): 81-116.

Simple Mathematical and Computational Wear Model for Ultra-High-Molecular-Weight Polyethylene Total Hip Replacements. (With K.H.S. Chan et al.) *Applied Bionics and Biomechanics* 4 (2007): 83-88.

OTHER PUBLICATIONS

Philosophy of Biology in the Twenty-First Century. *Studies in History and Philosophy of Biological and Biomedical Sciences* 43 (2012): 312-315.

Meeting Report: Fourth ISHPSSB Off-Year Workshop. *Biology & Philosophy* 26 (2011): 315-316.

[Review of] Jean-Michel Pouget, *La science goethéenne des vivants: De l'histoire naturelle à la biologie évolutionniste* (Bern: Peter Lang, 2001). *Journal of the History of Biology* 40 (2007): 187-190.

[Review of] Allen Thiher, *Fiction Refracts Science: Modernist Writers from Proust to Borges* (Columbia: University of Missouri Press, 2005). *Modern Philology* 104 (2007): 463-466.

More than an Analogy: Rudolf Carnap and Theodor Adorno on Music and Philosophy. *voiceXchange* 2 (2006): 3-11.

TEACHING

- 2012 *Philosophy of the Social Sciences* (Instructor)
University of Wisconsin-Madison, Fall Semester
- 2012 *Philosophical Problems of the Biological Sciences* (Instructor)
University of Wisconsin-Madison, Spring Semester
- 2011 *American Pragmatism* (Instructor)
University of Wisconsin-Madison, Fall Semester
- 2011 *Philosophy of Science* (Instructor)
University of Western Ontario, Winter Semester
- 2009 *Environmental Philosophy* (Instructor)
University of Chicago, Winter Quarter
- 2008 *Biological Diversity* (Teaching Assistant)
University of Chicago, Autumn Quarter
- 2008 *Nature as Technology* (Instructor)
University of Chicago, Spring Quarter
- 2006 *Biological and Cultural Evolution* (Teaching Assistant)
University of Chicago, Winter Quarter

INVITED TALKS

- 2012 The Dialectical Biologist, circa 1890: Dewey, Mead, and the Oxford Hegelians. Presented at the 'Pragmatism in Philosophy of Science' conference, University of San Francisco, March 30-31
- 2012 Darwin versus Spencer: The Economy of Nature and Organism-Environment Interaction. Presented at the 'Evo-Eco 1830-1870' workshop, Institut d'histoire et de philosophie des sciences et des techniques, Université Paris 1, February 17-18
- 2011 The Role of Case Studies in Evolutionary Debates. Presented at the Philosophy colloquium, Case Western Reserve University, November 4

- 2011 Biology & Philosophy: Creative Exchange. Presented at the 'Essence of Creativity' session of the Wisconsin Science Festival, University of Wisconsin-Madison, September 23

REFEREED PRESENTATIONS (SELECTED)

- 2012 Evolution in the Metaphysical Club: Wright and Fiske on Darwin and Spencer. To be presented at the International Society for the History of Philosophy of Science biennial meeting, Halifax, Canada, June 21-24
- 2011 The Dialectical Biologist, circa 1890: Dewey and the Oxford Hegelians. Presented at the International Society for the History, Philosophy, and Social Studies of Biology biennial meeting, Salt Lake City, UT, July 11-14
- 2011 The Biological Roots of Pragmatism: William James and Organism-Environment Interaction. Presented at the American Philosophical Association - Central Division annual meeting, Minneapolis, MN, March 30-April 2
- 2010 Evolution and Constraints on Variation: Variant Specification and Range of Assessment. Presented at the Philosophy of Science Association biennial meeting, Montreal, Canada, November 4-6
- 2009 The Spencer-Weismann Dispute and Alternative Evolutionary Mechanisms in the 1890s. Presented at the History of Science Society annual conference, Phoenix, AZ, November 19-22
- 2009 Organism-Environment Interaction, Constraints, and Macroevolution. Presented at the International Society for the History, Philosophy, and Social Studies of Biology biennial meeting, Brisbane, Australia, July 12-16
- 2009 From 'Circumstances' to 'Environment': Herbert Spencer and the Origins of the Idea of Organism-Environment Interaction. Presented at the Inland Northwest Philosophy Conference on 'The Environment', University of Idaho, May 1-3
- 2008 From the Police to the Population – Hacking, Foucault, and Ecology. Presented at the Canadian Society for History and Philosophy of Science annual meeting, University of British Columbia, June 3-5
- 2007 The Scorpion's Sting – Functions, Mechanisms, and Biomechanical Explanation. Presented at the International Society for the History, Philosophy, and Social Studies of Biology biennial meeting, University of Exeter, July 25-29
- 2006 Engineering Values – John Dewey, Rudolf Carnap, and Valuation in Science. Presented at the International Society for the History of Philosophy of Science biennial meeting, École Normale Supérieure, June 14-18

AWARDS AND HONORS

- 2011-2013 Mellon Postdoctoral Fellowship, University of Wisconsin-Madison
- 2010-2011 Postdoctoral Fellowship in Philosophy of Science, University of Western Ontario

2010-2011 Postdoctoral Fellowship, Social Sciences and Humanities Research Council of Canada
 2009-2010 Mellon Dissertation-Year Fellowship, University of Chicago
 2004-2009 Neubauer Family Presidential Fellowship in the Humanities, University of Chicago
 2009 Environmental Studies Prize Lectureship, University of Chicago
 2008 Predoctoral Fellowship, Max Planck Institute for the History of Science
 2006-2008 Doctoral Fellowship, Social Sciences and Humanities Research Council of Canada
 2000-2004 Undergraduate Scholar Program Scholarship, University of British Columbia
 2002-2003 Margaret Lawrence Scholarship in Arts, University of British Columbia
 2001-2002 Hugh M. Brock Education Abroad Scholarship, University of British Columbia
 2001-2002 Dynatec Corporation Scholarship in Metallurgy, University of British Columbia
 2000-2002 C & E Keyes Scholarship in Material Engineering, University of British Columbia
 1998-1999 Outstanding Student Initiative Scholarship, University of British Columbia

PROFESSIONAL ACTIVITIES

Ongoing Referee for *British Journal for the Philosophy of Science, Biology & Philosophy, Evolution, Perspectives in Biology and Medicine, Environmental Values*
 2011- ListServ Moderator, Publications Committee, ISHPSSB
 2011 Session Organizer, 'Pragmatism & Biology: An Exchange of Ideas', ISHPSSB 2011
 2010-2011 Coordinator, Rotman Institute of Philosophy Reading Group, U. Western Ontario
 2007-2011 Off-Year Workshop Committee, ISHPSSB
 2010 Organizing Committee, 'Integrating Complexity' conference, U. Western Ontario
 2007-2010 Coordinator, Philosophy of Biology Discussion Group, U. Chicago
 2006-2009 Graduate Student Rep, Conceptual and Historical Studies of Science, U. Chicago
 2006 Organizing Committee, MEPHISTOS 2006 conference, U. Chicago

REFERENCES

William C. Wimsatt, Professor Emeritus of Philosophy, University of Chicago
 (wwim@uchicago.edu)

Robert J. Richards, Morris Fishbein Distinguished Service Professor of the History of Science and Medicine, University of Chicago (r-richards@uchicago.edu, 773-702-8348)

Elliott Sober, Hans Reichenbach Professor and William F. Vilas Research Professor of Philosophy, University of Wisconsin-Madison (ersoer@wisc.edu, 608-263-7478)

Gillian A. Barker, Assistant Professor of Philosophy, University of Western Ontario
 (gbarker5@uwo.ca, 519-661-2111 x87747)

David Jablonski, William R. Kenan, Jr. Professor of the Geophysical Sciences, University of Chicago
 (djablons@uchicago.edu, 773-702-8163)

Michael LaBarbera (teaching reference), Professor of Organismal Biology and Anatomy, University of Chicago (mlabarbe@uchicago.edu, 773-702-8092)