

Curriculum Vitae  
**Trevor Pearce**  
University of Wisconsin-Madison  
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Madison, WI 53706  
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**AOS:** Philosophy of Science, History and Philosophy of Biology, American Pragmatism

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

## **EMPLOYMENT**

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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**

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### **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
- Thesis: *“Kakos Mageiros – Ian Hacking on Animals and Interactive Kinds”*

2004 B.A.Sc.   Department of Metals and Materials Engineering

- Graduated with distinction

## REFEREED PUBLICATIONS

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Under contract

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

In press

Convergence and Parallelism in Evolution – A Neo-Gouldian Account. *British Journal for the Philosophy of Science*.

2011

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

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

2010

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: 241-252.

“A Great Complication of Circumstances” – Darwin and the Economy of Nature. *Journal of the History of Biology* 43: 493-528.

2009

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

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

2008

Tonal Functions and Active Synthesis: Hugo Riemann, German Psychology, and Kantian Epistemology. *Intégral* 22: 81-116.

2007

Simple Mathematical and Computational Wear Model for Ultra-High-Molecular-Weight Polyethylene Total Hip Replacements. (With K.H.S. Chan., R.W. Blake, L. Chow, S. Wu, F. Wong, and J. Li.) *Applied Bionics and Biomechanics* 4: 83-88.

## OTHER PUBLICATIONS

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2012

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

2011

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

2007

[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: 187-190.

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

2006

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

### **TEACHING EXPERIENCE**

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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

### **SELECTED PRESENTATIONS**

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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**

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- 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

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Ongoing Referee, *Biology & Philosophy, Evolution, Perspectives in Biology and Medicine*  
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

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William C. Wimsatt  
Professor Emeritus of Philosophy  
University of Chicago  
[wwim@uchicago.edu](mailto: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](mailto:r-richards@uchicago.edu)  
773-702-8348

Gillian A. Barker  
Assistant Professor of Philosophy  
University of Western Ontario  
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Elliott Sober  
Hans Reichenbach Professor and William F. Vilas Research Professor of Philosophy  
University of Wisconsin-Madison  
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David Jablonski  
William R. Kenan, Jr. Professor of the Geophysical Sciences  
University of Chicago  
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773-702-8163

Michael LaBarbera (teaching reference)  
Professor of Organismal Biology and Anatomy  
University of Chicago  
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