

*Curriculum Vitae*  
**TREVOR PEARCE**

Conceptual and Historical Studies of Science  
University of Chicago  
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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 Philosophy, Continental Philosophy

**Education**

Ph.D. in Conceptual and Historical Studies of Science, University of Chicago, in progress

- Advanced to candidacy (degree expected in June 2010)
- Thesis: *The Factors of Macroevolution: Historical and Philosophical Perspectives on Organism-Environment Interaction*
- Committee: William Wimsatt, Robert Richards, David Jablonski

M.Sc. in Evolutionary Biology, University of Chicago, 2007

M.A. in Philosophy, University of Chicago, 2007

B.A. in English Honours (Minors: Philosophy, Music), University of British Columbia, 2004

B.A.Sc. in Metals and Materials Engineering, University of British Columbia, 2004

**Publications**

Pearce, Trevor. “‘A Great Complication of Circumstances’ – Darwin and the Economy of Nature.” *Journal of the History of Biology* (in press).

Pearce, Trevor. “Tonal Functions and Active Synthesis: Hugo Riemann, German Psychology, and Kantian Epistemology.” *Intégral* 22 (2009): in press.

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

Pearce, Trevor and Michael LaBarbera. “A Comparative Study of the Mechanical Properties of Mytilid Byssal Threads.” *Journal of Experimental Biology* 212 (2009): 1442-1448.

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

Pearce, Trevor. "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

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

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

### **Presentations (selected)**

"Organism-Environment Interaction, Constraints, and Macroevolution" – International Society for the History, Philosophy, and Social Studies of Biology (Brisbane, Australia), July 2009

"The Spencer-Weismann Dispute and Alternative Evolutionary Mechanisms in the 1890s" – Canadian Society for History and Philosophy of Science (Carleton University), May 2009

"From 'Circumstances' to 'Environment': Herbert Spencer and the Origins of the Idea of Organism-Environment Interaction" – Inland Northwest Philosophy Conference on 'The Environment' (University of Idaho), May 2009

"From 'Circumstances' to 'Environment': Herbert Spencer and the Origins of the Idea of Organism-Environment Interaction" – Paleobiology Seminar Series (Smithsonian National Museum of Natural History), April 2009

"From the Police to the Population – Hacking, Foucault, and Ecology" – Canadian Society for History and Philosophy of Science (University of British Columbia), June 2008

"The Scorpion's Sting – Functions, Mechanisms, and Biomechanical Explanation" – International Society for the History, Philosophy, and Social Studies of Biology (University of Exeter), July 2007

"Engineering Values – John Dewey, Rudolf Carnap, and Valuation in Science" – International Society for the History of Philosophy of Science (École Normale Supérieure), June 2006

"Complication of Circumstances – Darwin and the Economy of Nature" – Canadian Society for History and Philosophy of Science (York University), May 2006

"Science and the A Priori – What Positivists, Pragmatists, and Foucauldians Have in Common" – Canadian Society for History and Philosophy of Science (University of Western Ontario), May 2005

### **Teaching Experience**

Instructor for PHIL 20108: *Environmental Philosophy*, Social Sciences Division, University of Chicago, Winter 2009 [Environmental Studies Prize Lectureship]

Teaching Assistant for BIOS 20184: *Biological Diversity* (Instructor: Michael LaBarbera), Biological Sciences Division, University of Chicago, Autumn 2008

Instructor for HIPS 29508: *Nature as Technology: A Philosophical and Historical Investigation*, Social Sciences Division, University of Chicago, Spring 2008

Guest Lecturer for LA 497/501: *The Nature of Ecology* (Instructor: Eric Ellingsen), College of Architecture, Illinois Institute of Technology, 2007-2008

Teaching Assistant for PHIL 22500: *Biological and Cultural Evolution* (Instructors: William Wimsatt and Salikoko Mufwene), New Collegiate Division, University of Chicago, Winter 2006

### **Awards and Honors**

Mellon Foundation Dissertation-Year Fellowship (University of Chicago), 2009-2010

Neubauer Family Presidential Fellowship in the Humanities (University of Chicago), 2004-2009

Environmental Studies Prize Lectureship (University of Chicago), Winter 2009

Pre-Doctoral Fellowship (Max Planck Institute for the History of Science), Winter 2008

Doctoral Fellowship (Social Sciences and Humanities Research Council of Canada), 2006-2008

Undergraduate-Scholar-Program Scholarship (University of British Columbia), 2000-2004

Margaret Lawrence Scholarship in Arts (University of British Columbia), 2002-2003

Hugh M. Brock Education Abroad Scholarship (University of British Columbia), 2001-2002

Dynatec Corporation Scholarship in Metallurgy (University of British Columbia), 2001-2002

C & E Keyes Scholarship in Materials Engineering (University of British Columbia), 2000-2002

Outstanding-Student-Initiative Scholarship (University of British Columbia), 1998-1999

### **Professional Activities**

Referee, *Perspectives in Biology and Medicine*

Coordinator, Philosophy of Biology Discussion Group (University of Chicago), 2007-present

Member of Off-Year Workshop Committee, International Society for the History, Philosophy, and Social Studies of Biology, 2007-2010

Graduate Student Representative, Committee on Conceptual and Historical Studies of Science (University of Chicago), 2006-2009

Member of Organizing Committee, MEPHISTOS 2006, University of Chicago

### **References**

William Wimsatt, Professor of Philosophy and Evolutionary Biology, University of Chicago

Robert Richards, Professor of History, Philosophy, and Psychology, University of Chicago

David Jablonski, Professor of Geophysical Sciences and Evol. Biology, University of Chicago

Michael LaBarbera, Professor of Organismal Biology and Anatomy, University of Chicago