

PRESTON KYLE STANFORD

Curriculum Vitae

Department of Logic and
Philosophy of Science
University of California, Irvine
Irvine, CA 92697-5100

Date of Birth: 4/22/70
Citizenship: USA
(949)-824-6398
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Education

University of California at San Diego, 1991-1997
M.A. (Philosophy), December 1994
Ph. D. (Philosophy/Science Studies), June 1997
Doctoral Dissertation: "A Pragmatic Theory of Causation" Chair: Philip Kitcher

Northwestern University, Evanston, IL
B.A. (Highest Distinction, Honors in Philosophy and Psychology), June 1991

Academic Positions

Visiting Professor of History and Philosophy of Science
University of Pittsburgh, Jan. 2009—April 2009

Associate Professor of Logic and Philosophy of Science, 2004—Present
Assistant Professor of Logic and Philosophy of Science, 1998-2004
Assistant Professor of Philosophy, 1997-2000
University of California, Irvine

Grants, Fellowships, Awards and Selected Honors

Plenary Speaker, British Society for the Philosophy of Science Meeting (2007)
UCI Instructional Improvement Grant (with Jeff Barrett, 2005)
National Science Foundation Research Grant SES-0094001 (2001-2002)
Keynote Address: Stanford University UG Philosophy Conference (May 2002)
UCI Faculty Career Development Award (1999-2000)
Stanford University Donors' Lecture (1998)
National Science Foundation Fellowship (1991-1996).
UCSD Science Studies Program Fellowship (1994-1995).
Phi Beta Kappa.
Alpha Lambda Delta.
National Merit Scholarship (1988-1989).

Publications

Books:

1. (2006). *Exceeding Our Grasp: Science, History, and the Problem of Unconceived Alternatives*. New York: Oxford University Press.

Reviewed in *Science*, *Philosophy of Science*, *Mind*, *British Journal for the Philosophy of Science*, *British Journal for the History of Science*, *Isis*, *Biology and Philosophy*, *History and Philosophy of the Life Sciences*, *International Studies in the Philosophy of Science*, *Review of Metaphysics*, *Choice*, *Skeptical Inquirer*.

Articles:

2. (1995). "For Pluralism and Against Realism About Species", *Philosophy of Science* 62: 70-91.

3. (1998). "Reference and Natural Kind Terms: The Real Essence of Locke's View", *Pacific Philosophical Quarterly* 79: 78-97.

Reprinted in Peter R. Anstey, ed., *John Locke: Critical Assessments of Leading Philosophers*, 4 vols. Abingdon: Routledge, 2006.

4. (2000, with Philip Kitcher). "Refining the Causal Theory of Reference for Natural Kind Terms", *Philosophical Studies* 97: 99-129.

5. (2000). "An Antirealist Explanation of the Success of Science", *Philosophy of Science* 67: 266-284.

6. (2001). "Refusing the Devil's Bargain: What Kind of Underdetermination Should We Take Seriously?", *Philosophy of Science* 68 (Proceedings): S1-S12.

7. (2001). "The Units of Selection and the Causal Structure of the World", *Erkenntnis* 54: 215-233.

8. (2002). "The Manifest Connection: Causation, Meaning and David Hume", *Journal of the History of Philosophy* 40: 339-360.

9. (2003). "No Refuge for Realism: Selective Confirmation and the History of Science", *Philosophy of Science* 70: 913-925.

10. (2003). "Pyrrhic Victories for Scientific Realism", *Journal of Philosophy* 100: 553-572.

11. (2005). "August Weismann's Theory of the Germ-Plasm and the Problem of Unconceived Alternatives", *History and Philosophy of the Life Sciences* 27: 163-199.

12. (2006). "Francis Galton's Stirp Theory of Inheritance and the Problem of Unconceived Alternatives", *Biology and Philosophy* 21: 523-536.
13. (2006). "Darwin's Pangenesis and the Problem of Unconceived Alternatives", *British Journal for the Philosophy of Science* 57: 121-144.
14. (2009). "Scientific Realism, the Atomic Theory, and the Catch-All Hypothesis: Can We Test Fundamental Theories Against All Serious Alternatives?", *British Journal For The Philosophy of Science* 60: 253-269.
15. (forthcoming, Nov. 2009). "Grasping at Realist Straws: Author's Response" from Symposium Review of *Exceeding Our Grasp: Science, History, and the Problem of Unconceived Alternatives* (New York, Oxford University Press, 2006), *Metascience*.

Book Chapters:

16. (forthcoming). "Reading Nature: Realist and Instrumentalist Interpretations of Scientific Theories", in Larry Sklar, ed., *The Oxford Handbook of the Philosophy of Science*.

Encyclopedia Articles:

17. (2006). "Instrumentalism" in *The Philosophy of Science: An Encyclopedia*, ed. Sahotra Sarkar and Jessica Pfeifer. New York: Routledge: 400-405.
18. (2006, with Jeff Barrett). "Prediction" in *The Philosophy of Science: An Encyclopedia*, ed. Sahotra Sarkar and Jessica Pfeifer. New York: Routledge: 585-599.
19. (2009). "Underdetermination of Scientific Theories" in *The Stanford Encyclopedia of Philosophy*, ed. Edward N. Zalta, <http://plato.stanford.edu/>.

Book Reviews:

20. (1999). "Preaching to the Choir? Robert Klee and the Latest Face of Scientific Realism" (Essay Review of Klee's *Cutting Nature at its Seams: Introduction to the Philosophy of Science*), *Studies in the History and Philosophy of Science* 30: 367-375.
21. (2001). Review of Elliott Sober and David Sloan Wilson's *Unto Others: The Evolution and Psychology of Unselfish Behavior*, *Journal of Philosophy* 98: 43-47.
22. (2008). Review of Hanne Anderson, Peter Barker, and Xiang Chen, *The Cognitive Structure of Scientific Revolutions*, *British Journal of the History of Science* 41: 116-117.

23. (forthcoming). [Title TBD.] Symposium Review of James Ladyman and Donald Ross, *Everything Must Go: Metaphysics Naturalized* (New York: Oxford University Press, 2007), *Metascience*.

Other Professional Activity

Philosophy of Science Association:

Associate Editor, *Philosophy of Science*, Apr. 2009—Present
PSA Governing Board Member, 2007—Present

Program Committees:

2010 Sydney/Tilburg Conference
2009 Pittsburgh Center Underdetermination Workshop
2009 European Philosophy of Science Association Meeting
2008 Philosophy of Science Association Meeting

Referee Service:

Oxford University Press
Philosophy of Science
British Journal for the Philosophy of Science
Synthese
Biology and Philosophy
Philosophy of Science Association
Studies in the History and Philosophy of Science
International Studies in the Philosophy of Science
History and Philosophy of the Life Sciences
Journal of Philosophical Logic
Australasian Journal of Philosophy
Archiv für Geschichte der Philosophie

Selected Presentations:

“The Evolutionary Function of Moral Projection”
Pittsburgh Center for History and Philosophy of Science, 2009

“Getting Real: The Hypothesis of Organic Fossil Origins”
UC San Diego, Science Studies Program, 2010
Henle Conference, Saint Louis University, 2010
(Un)Conceived Alternatives Symposium, Erwin Schrödinger Institute, 2009
European Philosophy of Science Association Meeting, 2009
Underdetermination Workshop, Pittsburgh Center for HPS, 2009
&HPS2 Conference, Notre Dame, 2009

Oberlin College, 2008

- “Unconceived Alternatives and the Incentive Structure of Scientific Research”
European Molecular Biology Laboratory, Heidelberg, 2007
Published as part of EMBL Online Science Seminars: <http://www.embl-heidelberg.de/aboutus/science_society/onlineseminars/index.html>
- “Why, How, and *When* to be an Instrumentalist”
Plenary Session, British Society for the Philosophy of Science, 2007
- “Instrumentalism for Historians and Philosophers”
Cambridge University, Department of History and Philosophy of Science, 2007
- “How to be Instrumentalists (and Just a Little on Why We Should Be)”
University of Michigan, Research Center for Group Dynamics, 2007
- “Formal and Empirical Approaches to the Problem of Underdetermination”
University of Wuppertal workshop: The Empirical and the Formal, 2007
- “Introduction/Response to Critics”
Author Meets Critics Session on *Exceeding Our Grasp: Science, History, and the Problem of Unconceived Alternatives*, American Philosophical Association (Pacific Division), 2007
- “Science, History, and the Problem of Unconceived Alternatives”
University of Toronto, 2007
University of Michigan, 2007
California Institute of Technology, 2006
- “Drawing the Right Morals: Tracking Truth and Scientific Realism”
American Philosophical Association (Pacific Division), 2006
Philosophy of Science Association, 2006
- “Realism in the Biological Sciences”
Cal State Northridge, 2006
- “Theories of Generation and the Problem of Unconceived Alternatives”
Canadian Society for the History and Philosophy of Science, 2006
University of Texas at Arlington, 2006
- “The Problem of Unconceived Alternatives: Darwin, Galton, Weismann”
British Society for the Philosophy of Science, 2005
Cambridge University, Department of History and Philosophy of Science, 2005
British Society for the History of Science, 2005
University of Missouri, 2005
University of California, Santa Cruz, 2005
University of California, Irvine, 2005
- “Causation and Natural Selection: Genes, Organisms, and Pragmatic Virtues”
UCLA Interdisciplinary Conference in Philosophy and History of Science, 2004
- “No Refuge for Realism: Selective Confirmation and the History of Science”
Philosophy of Science Association, 2002
British Society for the Philosophy of Science, 2002 (presented in absentia by Anjan Chakravartty)
Canadian Society for the History and Philosophy of Science, 2002
- “Do Our Best Scientific Theories Really Tell Us What The World Is Like? Selective Confirmation, Realism, and the Historical Challenge”

Keynote Address: Stanford University Undergraduate Philosophy Conference, 2002

“Defending the Pessimistic Induction”
Southern California Philosophy Conference, 2001

“Refusing the Devil’s Bargain: What Kind of Underdetermination Should We Take Seriously?”
Philosophy of Science Association, 2000
Claremont Colleges Colloquium (Pomona College), 2000
British Society for the Philosophy of Science, 2000

“The Challenge of History: The Human Genome Project and the American Eugenics Movement”
UCI Academy of Lifelong Learning, 1999

“Medical Ethics and the Human Genome Project”
Heritage Point Foundation, 1999

Comments on Edwin McCann’s “Locke, Relative Identity, and an Anti-Essentialist Argument”, California Early Modern Scholars Conference, 1999

Comments on Kevin Lattery’s “Reasoning with the Rosetta Stones of Biology”, American Philosophical Association, Pacific Division Meeting, 1998

“The Pragmatic Theory of Causation”
Stanford University Donor’s Lecture, 1998
University of California, Irvine, 1997
University of California, Santa Cruz, 1997

“Reference and Natural Kind Terms: The Real Essence of Locke’s View”
University of California, Irvine, Conference on Early Modern Philosophy and Science, 1997

“The Manifest Connection: Causation, Meaning and David Hume”
Notre Dame University, 1997
University of Colorado, Boulder, 1996
University of California, San Diego, 1996