

CURRICULUM VITAE

Peter Godfrey-Smith

2009

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BIOGRAPHICAL

Born Sydney, Australia in 1965.

Citizenship: Australia and US.

Married with no children.

ACADEMIC APPOINTMENTS

1991 to 1998: Assistant Professor of Philosophy, Stanford University.

1998 to 2003: Associate Professor of Philosophy, Stanford University.

2003 to 2005: Professor of Philosophy (50%), Research School of Social Sciences, Australian National University, and Visiting Professor of Philosophy (50%), Harvard University.

2006 to present: Professor of Philosophy, Harvard University.

EDUCATION

1987: Bachelor of Arts with First Class Honors and University Medal,
University of Sydney.

1991: PhD in Philosophy, University of California, San Diego.

Dissertation: "Teleonomy and the Philosophy of Mind."

FELLOWSHIPS AND AWARDS:

1994: Dean's Award for Distinguished Teaching, Stanford University.

1994: Dean's Fellow in the Humanities, Stanford University.

1998: Marta Sutton Weeks Faculty Scholarship (for 1998-2001), Stanford University.

2001: Association of Stanford University Students (ASSU) Teaching Award.

AREAS OF SPECIALIZATION

Philosophy of biology, philosophy of mind.

OTHER RESEARCH AND TEACHING AREAS

Philosophy of science, pragmatism (especially John Dewey), epistemology.

VISITING POSITIONS

1995 (Spring): Visiting Lecturer, School of Philosophy, University of Sydney.

2000-2001 (Fall term): Visiting Associate Professor, Department of Philosophy,
Harvard University.

EDITORIAL AND ADVISORY WORK

Associate editor, *Biology and Philosophy*, 2000 to present.

Editorial board, *Philosophy of Science*, 2009 to present.

Advisory Committee to the Program Committee, American Philosophical
Association, Eastern Division, 2009 to present.

PUBLICATIONS

Books:

1. *Complexity and the Function of Mind in Nature*. Cambridge: Cambridge University Press, 1996.
Chinese translation, Hunan Science and Technology Press, 1998.
2. *Theory and Reality: An Introduction to the Philosophy of Science*. Chicago: University of Chicago Press, 2003.
3. *Darwinian Populations and Natural Selection*. Oxford: Oxford University Press, 2009.

Articles in Journals:

1. "Why Semantic Properties Won't Earn their Keep," *Philosophical Studies* 50 (1986): 223-236.
2. "Misinformation," *Canadian Journal of Philosophy* 19 (1989): 533-50.
3. "Signal, Decision, Action," *Journal of Philosophy* 88 (1991): 709-722.
4. "Indication and Adaptation," *Synthese* 92 (1992): 283-312.
5. "The Dimensions of Selection," with R. C. Lewontin, *Philosophy of Science* 60 (1993): 373-395.
6. "Functions: Consensus Without Unity," *Pacific Philosophical Quarterly* 74 (1993): 196-208.
Reprinted in D. Hull and M. Ruse (eds.), *The Philosophy of Biology*. Oxford: Oxford University Press, 1998, pp. 280-92.
Reprinted also in D. Buller (ed.) *Function, Selection and Design*. Albany: Suny Press, 1999, pp. 185-197.
7. "A Modern History Theory of Functions," *Noûs* 28 (1994): 344-362.
Reprinted in C. Allen, M. Bekoff and G. Lauder (eds.), *Nature's Purposes: Analyses of Function and Design in Biology*. Cambridge MA: MIT Press, 1998, pp. 453-77.
Reprinted also in D. Buller (ed.) *Function, Selection and Design*. Albany: Suny Press, 1999, pp. 199-220.
8. "On the Evolution of Behavioral Heterogeneity in Individuals and Populations," with (first author) C. Bergstrom, *Biology and Philosophy* 13 (1998): 205-231.
9. "Adaptationism and the Power of Selection," *Biology and Philosophy* 14 (1999): 181-194.
10. "On the Theoretical Role of 'Genetic Coding,'" *Philosophy of Science* 67 (2000): 26-44.
11. "The Replicator in Retrospect," *Biology and Philosophy* 15 (2000): 403-423.
12. "Explanatory Symmetries, Preformation and Developmental Systems Theory," *Philosophy of Science* 67 (2000): S322-S331. (Proceedings of PSA 1998).
13. "On the Evolution of Representational and Interpretive Capacities," *The Monist* 85 (2002): 50-69.
14. "Dewey on Naturalism, Realism and Science," *Philosophy of Science* 69 (2002): S1-S11 (Proceedings of PSA 2000).
15. "Individualist and Multi-level Perspectives on Selection in Structured Populations," with (first author) B. Kerr. *Biology and Philosophy* 17 (2002): 477-517. Target

- article with three commentaries and replies, "Group Fitness and Multi-Level Selection: Replies to Commentaries," pp. 539-549.
16. "On Price's Equation and Average Fitness," with (first author) B. Kerr. *Biology and Philosophy* 17 (2002): 551-565.
 17. "Goodman's Problem and Scientific Methodology," *Journal of Philosophy* 100 (2003): 573-590.
 18. "What is Altruism?" with (first author) B. Kerr and M. Feldman. *Trends in Ecology and Evolution* 19 (2004): 135-140.
 19. "Folk Psychology as a Model," *The Philosopher's Imprint* 5 (2005) No. 6: 1-16.
 20. "Theories and Models in Metaphysics," *Harvard Review of Philosophy* 14 (2006): 4-19.
 21. "Local Interaction, Multi-Level Selection, and Evolutionary Transitions," *Biological Theory* 1 (2006): 372-380.
 22. "The Strategy of Model-Based Science," *Biology and Philosophy* 21 (2006): 725-740.
 23. "Conditions for Evolution by Natural Selection," *Journal of Philosophy* 104 (2007): 489-516.
 24. "Varieties of Population Structure and the Levels of Selection," *British Journal for the Philosophy of Science* 59 (2008): 25-50.
 25. "Triviality Arguments Against Functionalism," *Philosophical Studies* 145 (2009): 273-295.
 26. "Models and Fictions in Science," *Philosophical Studies* 143 (2009): 101-116.
 27. "Generalization of the Price Equation for Evolutionary Change," with (as first author) Ben Kerr. *Evolution* 63 (2009): 531-536.
 28. "Adaptationism and the Adaptive Landscape," with (as first author) Jon F. Wilkins. *Biology and Philosophy* 24 (2009): 199-214.
 29. "Selection in Ephemeral Networks," with (as second author) Ben Kerr. *American Naturalist* 174 (2009) 906-911.

Chapters in Books:

1. "Additivity and the Units of Selection," in D. Hull, M. Forbes and K. Okruhlik (eds.) *PSA 1992*, Volume 1. East Lansing: Philosophy of Science Association, 1992, pp. 315-328.
2. "Of Nulls and Norms," in D. Hull, M. Forbes and K. Okruhlik (eds.) *PSA 1994*, Volume 1. East Lansing: Philosophy of Science Association, 1994, pp. 280-290.

3. "A Continuum of Semantic Optimism," in S. Stich and T. Warfield (eds.), *Mental Representation: A Reader*. Oxford: Blackwell, 1994, pp. 259-277.
4. "Spencer and Dewey on Life and Mind," in R. Brooks and P. Maes (eds.), *Artificial Life 4*. Cambridge MA: MIT Press, 1994, pp. 80-89.
Reprinted with revisions in M. Boden (ed.), *The Philosophy of Artificial Life*. Oxford: Oxford University Press, 1996, pp. 314-331.
5. "Three Kinds of Adaptationism," in S. H. Orzack and E. Sober (eds.), *Adaptationism and Optimality*. Cambridge: Cambridge University Press, 2001, pp. 335-357.
6. "Organism, Environment and Dialectics," in R. Singh, C. Krimbas, D. Paul and J. Beatty (eds.), *Thinking About Evolution: Historical, Philosophical and Political Perspectives*. (Volume 2 of a Festschrift for R. C. Lewontin). Cambridge: Cambridge University Press, 2001, pp. 253-266.
7. "Genes and Codes: Lessons from the Philosophy of Mind?" in V. Hardcastle (ed.), *Where Biology Meets Psychology: Philosophical Essays*. Cambridge MA: MIT Press, 1999, pp. 305-331.
8. "Environmental Complexity and the Evolution of Cognition," in R. Sternberg and J. Kaufman (eds.), *The Evolution of Intelligence*. Mahwah: Lawrence Erlbaum, 2002, pp. 233-249.
9. "On the Status and Explanatory Structure of DST," in S. Oyama, P. Griffiths and R. Gray (eds.), *Cycles of Contingency: Developmental Systems and Evolution*. Cambridge MA: MIT Press, 2001, pp. 283-297.
10. "Information and the Argument from Design," in R. Pennock (ed.), *Intelligent Design Creationism and its Critics: Philosophical, Theological and Scientific Perspectives*. Cambridge MA: MIT Press, 2001, pp. 575-596.
11. "On Genetic Information and Genetic Coding," in P. Gardenfors, J. Wolenski and K. Kajania-Placek (eds.), *In the Scope of Logic, Methodology, and the Philosophy of Science*, Vol. II. Dordrecht: Kluwer, 2002, pp. 387-400.
12. "Between Baldwin Boosterism and Baldwin Skepticism," in B. Weber and D. Depew (eds.), *Evolution and Learning: The Baldwin Effect Reconsidered*. Cambridge MA: MIT Press, 2003, pp. 53-67.
13. "On Folk Psychology and Mental Representation," in H. Clapin, P. Staines, and P. Slezak (eds.) *Representation in Mind: New Approaches to Mental Representation*. Amsterdam: Elsevier Publishers, 2004, pp. 147-162.

14. "Untangling the Evolution of Mental Representation," in A. Zilhão (ed.), *Cognition, Evolution, and Rationality: A Cognitive Science for the 21st Century*. London: Routledge, 2005, pp. pp. 85-102.
15. "Mental Representation, Naturalism, and Teleosemantics," in G. MacDonald and D. Papineau (eds.), *Teleosemantics*. Oxford: Oxford University Press, 2006, pp. 42-68.
16. "Innateness and Genetic Information," in P. Carruthers, S. Lawrence, and S. Stich (eds.), *The Innate Mind, Volume 3: Foundations and the Future*. Oxford University Press, 2007, pp. 55-68.
17. "Adaptationism," (with Jon F. Wilkins), in S. Sarkar and A. Plutynski (eds.), *A Companion to the Philosophy of Biology*. London: Blackwell, 2008, pp. 186-201.
18. "Biological Information," (with Kim Sterelny), *The Stanford Encyclopedia of Philosophy (Winter 2007 Edition)*, Edward N. Zalta (ed.), <<http://plato.stanford.edu/archives/win2007/entries/information-biological/>>.
19. "Reduction in Real Life," in J. Hohwy and J. Kallestrup (eds.), *Being Reduced*. Oxford: Oxford University Press, 2008, pp. 52-74.
20. "Information in Biology," in D. Hull and M. Ruse (eds.), *The Cambridge Companion to the Philosophy of Biology*. Cambridge: Cambridge University Press, 2007, pp. 103-119,
21. "Popper's Philosophy of Science: Looking Ahead," to appear in G. Shearmur and G. Stokes (eds.), *The Cambridge Companion to Karl Popper*. Cambridge University Press.
22. "Representationalism Reconsidered," in D. Murphy and M. Bishop (eds.), *Stich and His Critics*. Chichester: Wiley-Blackwell, 2009, pp. 30-45.
23. "Induction, Samples, and Kinds," to appear in J. Campbell, M. O'Rourke, and M. Slater (eds.), *Carving Nature at its Joints: Topics in Contemporary Philosophy*, Volume 8, forthcoming with MIT Press.
24. "Abstractions, Idealizations, and Evolutionary Biology," in A. Barberousse, M. Morange, and T. Pradeu (eds.), *Mapping the Future of Biology: Evolving Concepts and Theories. (Boston Studies in the Philosophy of Science)*, Springer, 2009, pp. 47-56
25. "Causal Pluralism," to appear in H. Beebe, C. Hitchcock, and P. Menzies, (eds.), *Oxford Handbook of Causation*.

Book Reviews, Discussion Notes, Replies to Critics, Encyclopedia Entries, etc:

1. Review of Ruth Millikan's *Language, Thought, and Other Biological Categories* (1984). *Australasian Journal of Philosophy* 66 (1988): 556-560.
2. "Optimality and Psychological Explanation," (invited commentary) *Behavioral and Brain Sciences* 14 (1991): 496.
3. Review of Elliott Sober's *Reconstructing the Past: Parsimony, Evolution and Inference* (1988). *Philosophy and Phenomenological Research* 53 (1993): 487-490.
4. "Function" in J. Kim and E. Sosa (eds.), *A Companion to Metaphysics*. Oxford: Blackwell, 1995, pp. 187-88.
5. "Preface to Chapters 15 and 16," in R. Belew and M. Mitchell (eds.), *Adaptive Individuals in Evolving Populations: Models and Algorithms*. Santa Fe Institute Studies in the Sciences of Complexity, Proceedings Vol. XXIII. Reading MA: Addison-Wesley, 1995, pp. 227-31. The Preface is to selections from Herbert Spencer's writings on evolution, chosen by me.
6. "Meaning, Models and Selection: A Review of [David Papineau's] *Philosophical Naturalism*." *Philosophy and Phenomenological Research* 56 (1996): 673-578.
7. Review of Elliot Sober's *From a Biological Point of View* (1994). *Journal of Philosophy* 94 (1997): 160-164.
8. "Précis of *Complexity and the Function of Mind in Nature*," *Adaptive Behavior* 4 (1996): 453-465.
9. "Replies to Four Critics," *Adaptive Behavior* 4 (1996): 486-93. (Replies to reviews of *Complexity and the Function of Mind in Nature*.)
10. "Replies to Sober, Sterelny and Neander," *Biology and Philosophy* 12 (1997): 581-590. (Replies to reviews of *Complexity and the Function of Mind in Nature*.)
11. "Author's Outline" and "Replies to Critics" of *Complexity and the Function of Mind in Nature*, *Metascience* 12 (1997): 7-12, 31-37.
12. Entry for "J. A. Fodor," in the *Routledge Encyclopedia of Philosophy*.
13. Entry for "Semantics, Teleological/Biological," in the *Routledge Encyclopedia of Philosophy*.
14. "Maternal Effects: On Dennett and *Darwin's Dangerous Idea*," *Philosophy of Science* 65 (1998): 709-720.

15. "Procrustes Probably: Comments on Sober's 'Physicalism from a Probabilistic Point of View,'" *Philosophical Studies* (Proceedings of the 1997 Oberlin Philosophy Colloquium) 95 (1999): 175-181.
16. Entry for "Pragmatism" in the *Elsevier Encyclopedia of the Social and Behavioral Sciences*, 2001.
17. "Niche Construction in Biological and Philosophical Theories," (invited commentary) *Behavioral and Brain Sciences* 23 (2000): 153-154.
18. "Information, Arbitrariness and Selection: Comments on Maynard Smith," *Philosophy of Science* 67 (2000): 202-207.
19. "On the Role of Information and Replication in Selection Processes," (peer commentary) *Behavioral and Brain Sciences* 24 (2001): 538.
20. "Group Selection, Pluralism, and the Evolution of Altruism: A Review of [E. Sober and D. S. Wilson's] *Unto Others*," (with M. Barrett), *Philosophical and Phenomenological Research* 65 (2002): 685-691.
21. Review of Kim Sterelny's *The Evolution of Agency and Other Essays* (2001). *Mind* 112 (2003): 567-572
22. "Folk Psychology Under Stress: Comments on Susan Hurley's 'Animal Action in the Space of Reasons,'" *Mind and Language* 18 (2003): 266-272.
23. "Explanation in Evolutionary Biology: Comments on Fodor ," *Mind and Language* 23 (2008): 32-41.
24. "Recurrent Transient Underdetermination and the Glass Half Full," *Philosophical Studies* 137 (2008): 141-148.

Articles in Magazines and Newspapers:

1. "Can We Control Disease?" (Review of Laurie Garrett's *The Coming Plague*, 1995). *Boston Review* 22 (1997): 16-19.
2. "Useful Lessons from California," *Quadrant Magazine*, Volume 50 (2006): 64-66.
An edited version appears as "The Model of Achievement" in the *Australian* newspaper, Higher Education Supplement, November 1, 2006.
3. "Tiers of Success in a Smooth System," The *Australian* newspaper, Higher Education Supplement, November 10, 2008.

SELECTED TALKS AND PRESENTATIONS

(Complete list available on request)

"Author meets Critics" session on my book *Complexity and the Function of Mind in Nature*, Pacific Division Meetings of the American Philosophical Association, Seattle, 1996.

"Dewey and the Question of Realism"

- Harvard University, Philosophy Department Colloquium, 1996
- University of North Carolina, Chapel Hill, Philosophy Department Colloquium, 1997

"On the Theoretical Role of 'Genetic Coding'"

- Australasian Association of Philosophy Meetings, 1998
- University of Minnesota at Minneapolis, Science Studies Colloquium, 1999
- College for Theoretical Biology, Humboldt University, Berlin, 1999
- 11th International Congress of Logic, Methodology and Philosophy of Science, Cracow, Poland, 1999

"Some Unorthodox Theories of Causation"

- Michigan University Philosophy Department Colloquium, 2000
- Yale University Philosophy Department Colloquium, 2000
- Harvard University Philosophy Department Colloquium, 2000

"John Dewey's Philosophy of Science"

- Philosophy of Science Association Meetings (PSA 2000), Vancouver
- Columbia University, History and Philosophy of Science Colloquium, 2001.

"Adventures in Indoor Ornithology"

- Berkeley/Stanford Graduate Student Conference, Keynote Address, 2001.
- UC Irvine, Department of Logic and Philosophy of Science, 2001.
- Australian National University, Philosophy Program (RSSS), 2001.

"Goodman's Problem and Scientific Methodology"

- Melbourne University, Philosophy Department Colloquium, 2001.
- UC Berkeley, History and Philosophy of Science, Logic and Mathematics Group, 2002.

"Functionalism Remodeled"

- Princeton University, Philosophy Department Colloquium, 2005.

"Dewey, Continuity, and McDowell"

- Keynote address at the Harvard/MIT Graduate Conference, 2006.

"Progress and Procedures in Scientific Epistemology."

- The Reichenbach Lecture at UCLA, 2007.

"Inductive Inference and Natural Kinds."

- Inland Northwest Philosophy Conference 2008, Moscow, Idaho, Keynote Address.
- Australasian Association of Philosophy, 2008.
- NYU, Philosophy Department Colloquium, 2009.
- UCSD Philosophy Graduate Symposium (Keynote), 2009.

"Models and Fictions in Science."

- Oberlin Philosophy Colloquium, 2008.
- Bristol University, 2008.
- Sydney University, 2008.
- Conference on Academic Evolution and Hybridization: Literature and the Sciences, University of Tennessee, Knoxville, 2008.

"What Darwinism Explains."

- Darwin Festival, Cambridge University, Cambridge UK, 2009.