

CURRICULUM VITAE

Peter Godfrey-Smith

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BIOGRAPHICAL

Born Sydney, Australia in 1965.

Citizenship: Australia and USA.

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 2011: Professor of Philosophy, Harvard University.

2011 to 2017: Distinguished Professor of Philosophy, The Graduate Center, City University of New York.

2015 to 2016: Professor of History and Philosophy of Science (50%), Unit for History and Philosophy of Science, University of Sydney.

2017 to present: Professor of History and Philosophy of Science, School of History and Philosophy of Science, University of Sydney.

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."

AREAS OF SPECIALIZATION

Philosophy of biology, philosophy of mind.

OTHER RESEARCH AND TEACHING AREAS

Philosophy of science, pragmatism (especially John Dewey).

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.

2011: Lakatos Award 2010, for *Darwinian Populations and Natural Selection*.

2018: Royal Society of NSW Medal for History and Philosophy of Science.

2019: Fellow of the Royal Society of NSW.

2019: Patrick Suppes Prize for Philosophy of Science, American Philosophical Society (for *Other Minds*).

2022: Member of the American Philosophical Society

2022: Jean Nicod Prize

NAMED LECTURES

Reichenbach Lecture, UCLA, 2007. "Progress and Procedures in Scientific Epistemology"

Thacher Lecture, George Washington University, 2012. "The Evolution of Meaning"

Lakatos Award Lecture, London School of Economics, 2011. "The Evolution of the Individual"

Jack Smart Lecture 2017, Australian National University. "Materialism, Subjectivity, and Evolution"

Barry Taylor and David Lewis Philosophy Lecture, University of Melbourne, 2017. "Materialism"

Jean Nicod Lectures, Paris, 2022. "The Evolution of Experience"

Dyason Lecture, Sydney, 2022. "The Evolution of Sentience"

Whitehead Lectures, Harvard University, 2023. "Limits of Sentience, Boundaries of Consideration"

Kant Lectures, Stanford University, 2024. "Mind Around Us"

Royce Lectures, Brown University, 2025. "Life and Mind"

Sir Karl Popper Memorial Lecture, 2025. "Tolerance and Freedom of Expression"

Basser Memorial Lecture, Monash University, 2025. "Evolution and Animal Minds"

PUBLICATIONS

Books:

1. *Complexity and the Function of Mind in Nature*. Cambridge: Cambridge University Press, 1996. Chinese edition, 1998.
2. *Theory and Reality: An Introduction to the Philosophy of Science*. Chicago: University of Chicago Press, 2003. Second edition 2021.
Romanian edition 2012; Persian edition, 2013; Korean edition in preparation; Arabic edition in preparation.
3. *Darwinian Populations and Natural Selection*. Oxford: Oxford University Press, 2009.
Chinese edition in preparation.
4. *Philosophy of Biology*. Princeton: Princeton University Press, 2014.
Spanish, Chinese, and Greek editions published or in preparation.
5. *Other Minds: The Octopus, the Sea, and the Deep Origins of Consciousness*. New York: Farrar, Straus and Giroux, 2016. UK edition: Harper-Collins, 2017.
Shortlisted for the Royal Society Insight Investment Book Prize, 2017.
Winner of the Patrick Suppes Prize, 2019 (see Awards above).
Translations into French, Dutch, Portuguese, Italian, Polish, Japanese, German, Turkish, Romanian, Chinese, Spanish, Korean, Lithuanian, Hungarian, Russian, Czech, Swedish, Serbian, Greek, Slovenian, Estonian, Hungarian, and Arabic published or in preparation.
6. *Metazoa: Animal Life and the Birth of the Mind*. New York: Farrar, Straus and Giroux. London: William Collins, 2020. Translations into Italian, French, Polish, Russian, Romanian, Korean, Chinese, Spanish, Portuguese, Dutch, and German published or in preparation.
7. *Living on Earth: Forests, Corals, Consciousness and the Making of the World*. New York: Farrar, Straus and Giroux; UK edition: William Collins, 2024. Translations into Dutch, Japanese, Korean, Chinese, and Italian published or in preparation.

Edited Books:

1. *The Scientific Imagination: Philosophical and Psychological Perspectives*. Edited by Arnon Levy and Peter Godfrey-Smith. Oxford: Oxford University Press, 2019.

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 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 in D. Buller (ed.) *Function, Selection and Design*. Albany: Suny Press, 1999, pp. 199-220.
Reprinted in A. Rosenberg and R. Arp (eds.), *Philosophy of Biology: An Anthology*. Chichester: Wiley-Blackwell, 2009, pp. 175-188.
Reprinted in S. Linquist (ed.), *Philosophy of Evolutionary Biology*. Ashgate Publishing, 2010.
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.
Reprinted in S. Linquist (ed.), *Philosophy of Evolutionary Biology*. Ashgate Publishing, 2010.
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 reply, "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.
30. "Gestalt-Switching and the Evolutionary Transitions," with (as second author) Ben Kerr, *British Journal for the Philosophy of Science* 64 (2013): 205-222.
31. "Darwinism and Cultural Change," *Philosophical Transactions of the Royal Society B* 367 (2012): 2160-2170.
32. "Metaphysics and the Philosophical Imagination," *Philosophical Studies* 160 (2012): 97-113. Special issue on philosophical methodology.
33. "Cephalopods and the Evolution of the Mind," *Pacific Conservation Biology* 19 (2013): 4-9.
34. "Signs and Symbolic Behavior," *Biological Theory* 9 (2014): 78-88.

35. "Dewey and the Question of Realism," *Noûs*, online first, November 2013, <DOI: 10.1111/nous.12059>.
36. "Communication and Common Interest," (P. Godfrey-Smith and M. Martínez), *PLoS Computational Biology* 9 (2013): e1003282. <doi:10.1371/journal.pcbi.1003282>
37. "Sender-Receiver Systems Within and Between Organisms." *Philosophy of Science* 81 (2014): 866-878. (Proceedings of PSA 2012).
38. "A Tortoise–Hare Pattern Seen in Adapting Structured and Unstructured Populations Suggests a Rugged Fitness Landscape in Bacteria," (J. Nahum, P. Godfrey-Smith, B. Harding, J. Marcus, J. Carlson-Stevermer, and B. Kerr). *Proceedings of the National Academy of Sciences, USA*, 2015 (online early view). doi: 10.1073/pnas.1410631112
39. "Reproduction, Symbiosis, and the Eukaryotic Cell," *Proceedings of the National Academy of Sciences, USA*, 112 (2015): 10120–10125. doi: 10.1073/pnas.1421378112
40. "An Option Space for Early Neural Evolution" (G. Jékely, F. Keijzer, and P. Godfrey-Smith), *Philosophical Transactions of the Royal Society B*. Published online November 9, 2015. DOI: 10.1098/rstb.2015.0181.
41. "Common Interest and Signaling Games: A Dynamic Analysis," (M. Martínez and P. Godfrey-Smith), *Philosophy of Science* 83 (2016): 371–392.
42. "Mind, Matter, and Metabolism," *Journal of Philosophy*.
43. "Complex Life Cycles and the Evolutionary Process," *Philosophy of Science* 83 (2016): 816–827, (PSA 2014 Symposium Proceedings).
44. "Content in Simple Signaling Systems" (N. Shea, P. Godfrey-Smith, R. Cao), *British Journal for the Philosophy of Science*. <https://doi.org/10.1093/bjps/axw036>.
45. "Individuality, Subjectivity, and Minimal Cognition," *Biology and Philosophy* 31 (2016): 775-796 (special issue edited by Thomas Pradeu).
46. "The Subject as Cause and Effect of Evolution," *Interface Focus* 7 (2017): 20170022. <http://dx.doi.org/10.1098/rsfs.2017.0022>.
47. "Senders, Receivers, and Symbolic Artifacts," *Biological Theory*, 2017, <https://doi.org/10.1007/s13752-017-0276-4>
48. "Evolving Across the Explanatory Gap," *Philosophy, Theory, and Practice in Biology* (2019) 11:1.
49. "Tolerance: A Hierarchical Analysis," (P. Godfrey-Smith and Ben Kerr), *Journal of Political Philosophy* 27 (2019): 403-421.
50. "Varieties of Subjectivity," *Philosophy of Science* 87 (2020): 1150–1159 (PSA 2018 symposia volume).
51. "In the Beginning There Was Information?" *Studies in History and Philosophy of Science C* (2020) 80:101239 (special issue on signaling games).

52. "Integration, Lateralization, and Animal Experience," *Mind and Language*. Early view: <https://doi.org/10.1111/mila.12323>
53. "The Dual Landscape Model of Adaptation and Niche Construction," (Mark Tanaka, Peter Godfrey-Smith, Ben Kerr). *Philosophy of Science* 87: 478–498.
54. "Reafference and the Origin of the Self in Early Nervous System Evolution," (G. Jékely, P. Godfrey-Smith, F. Keijzer), *Philosophical Transactions of the Royal Society B* 376, 1821. <https://doi.org/10.1098/rstb.2019.0764>
55. "Covid Heterodoxy in Three Layers," *Monash Bioethics Review* 40: 17–39 (2022). Reprinted in Portuguese in *Ethics@*, translated by Victor Barcellos.
56. "Gradualism and the Evolution of Experience," *Philosophical Topics* 48 (2020): 201–220.
57. "Communication and Representation as Sender-Receiver Coordination," (R. Planer and P. Godfrey-Smith), *Mind and Language*, 2020: 1–21.
58. "Inferring Consciousness in Phylogenetically Distant Organisms," *Journal of Cognitive Neuroscience* 36 (2024): 1660–1666.

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. 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/>.
 Major revision 2016:
<http://plato.stanford.edu/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. "Representationalism Reconsidered," in D. Murphy and M. Bishop (eds.), *Stich and His Critics*. Chichester: Wiley-Blackwell, 2009, pp. 30-45.
22. "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
23. "Induction, Samples, and Kinds," in J. Campbell, M. O'Rourke, and M. Slater (eds.), *Carving Nature at its Joints: Topics in Contemporary Philosophy*, Volume 8, Cambridge MA: MIT Press, 2011, pp. 33-52.
24. "Darwinian Populations and Transitions in Individuality," in B. Calcott and K. Sterelny (eds.), *The Major Transitions in Evolution Revisited* (Vienna Series in Theoretical Biology). MIT Press, 2011, pp. 65-81.
25. "Causal Pluralism," in H. Beebe, C. Hitchcock, and P. Menzies, (eds.), *Oxford Handbook of Causation*. Oxford: Oxford University Press, 2010, pp. 326-337.
26. "Evolutionary Theory: 5 Questions. Peter Godfrey-Smith," in G. Oftedal, J. Friis, and P. Rossel (eds.), *Evolutionary Theory: 5 Questions*. Copenhagen: Automatic Press.
27. "Dewey, Continuity, and McDowell," in M. De Caro and D. Macarthur (eds.) *Naturalism and Normativity*. New York: Columbia University Press, 2010, pp. 304-321.
28. "Signals, Icons, and Beliefs" in D. Ryder and J. Kingsbury, D. Ryder, and K. Williford (eds.), *Millikan and Her Critics*. Blackwell, 2012, pp. 41-58.
29. "Dewey and the Subject-Matter of Science," in J. Shook and P. Kurtz (eds.), *Dewey's Enduring Impact*, Prometheus Books, 2010.
To be reprinted in Italian in *Pragmatismo e Filosofia della Scienza*.
30. "Popper's Philosophy of Science: Looking Ahead," in J. Shearmur and G. Stokes (eds.), *The Cambridge Companion to Popper*. Cambridge: Cambridge University Press, 2016, pp. 104-124.
31. "Information and Influence in Sender-Receiver Models, With Applications to Animal Communication," in U. Stegmann, (ed.), *Animal Communication Theory: Information and Influence*. Cambridge University Press, 2013, pp. 377-396.
32. "Darwinian Individuals," F. Bouchard and P. Huneman (eds.), *From Groups to Individuals: Perspectives on Biological Associations and Emerging Individuality*. Cambridge MA: MIT Press, 2012, pp. 17-36.
33. "Quine and Pragmatism," in the *Blackwell Companion to Quine*, edited by G. Harman and E. LePore. Wiley/Blackwell, 2014, pp. 54-68.
34. "Individuality and Life Cycles," in *Individuals Across the Sciences*, edited by Thomas Pradeu and Alexandre Guay, Oxford University Press, 2015, pp. 85-102.

35. "Animal Evolution and the Origins of Experience," in *How Biology Shapes Philosophy: New Foundations for Naturalism*, edited by David Livingstone Smith, Cambridge University Press, 2016, pp. 51-71.
36. "The Evolution of Consciousness in Phylogenetic Context," in K. Andrews and J. Beck (eds.), *The Routledge Handbook of Philosophy of Animal Minds*. London: Routledge, 2017, pp. 216-226.
37. "Towers and Trees in Cognitive Evolution," in B. Huebner (ed.), *The Philosophy of Daniel Dennett*. Oxford: Oxford University Press, 2018, pp. 225-249.
38. "Primates, Cephalopods, and the Evolution of Communication," in R. Seyfarth and D. Cheney, *The Social Origins of Language* (M. Platt, ed.), Princeton: Princeton University Press, 2018, pp. 103-120.
39. "Dewey and Anti-Representationalism," in Steven Fesmire (ed.), *Oxford Handbook of Dewey*. Oxford: Oxford University Press, 2019.
40. "Models, Fictions, and Conditionals," in A. Levy and P. Godfrey-Smith, eds., *The Scientific Imagination*. Oxford University Press, 2019.

Empirical Work:

1. "Field Observations of Mating in *Octopus tetricus* Gould, 1852 and *Amphioctopus marginatus* (Taki, 1964) (Cephalopoda: Octopodidae)," (C. Huffard and P. Godfrey-Smith). *Molluscan Research* 30 (2010): 81-86.
2. "Long-Term High-Density Occupation of a Site by *Octopus tetricus*, with Possible Site Modification Due to Foraging Behavior," with M. Lawrence. *Marine and Freshwater Behavior and Physiology* 45 (2012): 261-268.
3. "*Octopus tetricus* (Mollusca: Cephalopoda) as an Ecosystem Engineer," (D. Scheel, P. Godfrey-Smith, M. Lawrence) *Scientia Marina* 78 (2014): 521-528.
4. "Signal Use by Octopuses in Agonistic Interactions," (D. Scheel, P. Godfrey-Smith, M. Lawrence) *Current Biology* 26 (2016): 1-6.
5. "A Second Site Occupied by *Octopus tetricus* at High Densities, With Notes on Their Ecology and Behavior," (D. Scheel, S. Chancellor, M. Hing, M. Lawrence, S. Linquist, P. Godfrey-Smith), in press in *Marine and Freshwater Behavior and Physiology*.
6. "Octopus Engineering, Intentional and Inadvertent," (D. Scheel, P. Godfrey-Smith, S. Chancellor, M. Hing, S. Linquist, M. Lawrence), *Communicative & Integrative Biology* (2018) e1395994. <https://doi.org/10.1080/19420889.2017.1395994>
7. "In the Line of Fire: Debris Throwing by Wild Octopuses," P. Godfrey-Smith, D. Scheel, S. Chancellor, S. Linquist, M. Lawrence, *PLoS ONE* 17(11): e0276482 (2022). <https://doi.org/10.1371/journal.pone.0276482>

Book Reviews (Academic), 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 myself.
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. "Is it a Revolution?" (Symposium paper on Jablonka and Lamb's *Evolution in Four Dimensions*), *Biology and Philosophy* 22 (2007): 429-437.
24. "Explanation in Evolutionary Biology: Comments on Fodor," *Mind and Language* 23 (2008): 32-41.
25. "Recurrent Transient Underdetermination and the Glass Half Full," *Philosophical Studies* 137 (2008): 141-148.
26. "Senders, Receivers, and Genetic Information: Comments on Bergstrom and Rosvall," *Biology and Philosophy* 26 (2011): 171-181.
27. "Reasoning as deliberative in function but dialogic in structure and origin," with (as second author) Kritika Yegnashankaran. (Commentary on Mercier and Sperber's "Why do Humans Reason? Arguments for an Argumentative Theory") *Behavioral and Brain Sciences* 34 (2011): 80.
28. "David Hull" (Obituary). *Biology and Philosophy* 25: (2010): 749–753.
29. "Agents and Acacias: Replies to Dennett, Sterelny, and Queller," (replies to reviews of *Darwinian Populations and Natural Selection*), *Biology and Philosophy* 26 (2011): 501–515
30. Review of Brian Skyrms's *Signals: Evolution, Learning, and Information*. *Mind* 20 (2012): 1288-1297.
31. "Untimely Review" of John Dewey's *Experience and Nature*. *Topoi* 33 (2014): 285-291.
32. "Pragmatism," to appear in the *International Encyclopedia of the Social Sciences*, Elsevier, 2nd edition.
33. Review of Stephen Davies's *The Artful Species: Aesthetics, Art, and Evolution*. In *Notre Dame Philosophical Reviews*, August 2013. <http://ndpr.nd.edu/news/41600-the-artful-species-aesthetics-art-and-evolution/>.

34. "Pain in Parallel," *Animal Sentience* 2016.028 (criticism of a target article by Brian Key), [http: http://animalstudiesrepository.org/animalsent/vol1/iss3/21/](http://animalstudiesrepository.org/animalsent/vol1/iss3/21/)
35. "Complexity Revisited," *Biology and Philosophy* 32 (2017): 467-479.
36. "Reply to Rosenberg," *Biology and Philosophy* (2018) 33:19.
<https://doi.org/10.1007/s10539-018-9630-6>.
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41. "Simulation Scenarios and Philosophy," *Philosophy and Phenomenological Research* 109 (2024): 1036–1041. (About David Chalmers's book *Reality+*)

Articles in Magazines and Newspapers (Selected):

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.
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3. "Tiers of Success in a Smooth System," The *Australian* newspaper, Higher Education Supplement, November 10, 2008.
4. "It Got Eaten" (Review of J. Fodor and M. Piattelli-Palmerini's *What Darwin Got Wrong*), *London Review of Books* 32, 13 (2010): 29-30.
5. "Not Sufficiently Reassuring" (review of Thomas Nagel's *Mind and Cosmos*), *London Review of Books* 35, 2 (2013): 20-21.
6. "Being an Octopus," *Boston Review*, May/June 2013, pp. 46-50. (Listed in the "Notable Essays of 2013" section in *Best American Essays 2014*, edited by J. Sullivan and R. Atwan, Mariner Press.)
7. "The Ant and the Steam Engine," (review of James Lovelock's *A Rough Ride to the Future*), *London Review of Books* 37, 4 (2015) 18-20.
8. "Finding Your Way Home" (review of Hubert Dreyfus and Charles Taylor's *Retrieving Realism*), *Boston Review*, September/October 2015, pp. 52-57.

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10. "Loss of Music," *The Conversation*. November 25, 2016.
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13. "Did They Mean To Do That? Accident and Intent in an Octopuses' Garden." (M. Hing and P. Godfrey-Smith), *The Conversation*, November 14, 2017. Reprinted by ABC News (Australia).
14. "Real Worlds, Possible Worlds and Fantasy Worlds," (review of E.O. Wilson's *The Origins of Creativity*). *New York Times Book Review*, January 13, 2018.
15. "These MDMA Octopuses Show How Much Animals and Humans Have in Common." *The Guardian*, September 24, 2018.
16. "Against Octopus Farming," *Issues in Science and Technology* 35 (2), Winter 2019 (J. Jacquet, B. Franks, P. Godfrey-Smith, W. Sánchez-Suárez).
17. "Australian Philosophy," *Aeon*, 19 March, 2019.
18. "We Can't Cure the Virus by Making the Economy Sick" [not our choice of headline], Gigi Foster and P. Godfrey-Smith, *Australian Financial Review*, August 17, 2020.
19. "Philosophers and Other Animals," *Aeon*, Feb 2021.
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22. "Visible and Invisible Worlds," *New York Review of Books*, June 6, 2024.
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Doctoral Dissertations (Primary Advisor):

Janet Stemwedel (San Jose State, Professor), Matthew Barrett, Ben Escoto, Michael Weisberg (U. of Pennsylvania, Professor), Ken Reisman (co-advised with Ken Taylor), Robert Jones (Cal. State Univ. Dominguez Hills, Associate Professor), Arnon Levy (Hebrew University, Associate Professor), Kritika Yegnashankaran (Director, Academic Teaching Programs, Stanford), John Matthewson (co-advisor with Kim Sterelny and Alan Hájek. Massey University, Senior Lecturer), Brett Calcott (co-advised with Kim Sterelny), Austin Booth, Derek Skillings (UNC

Greensboro, Associate Professor), Henry Shevlin (Cambridge University and Google DeepMind), Phoebe Friesen (McGill University, Associate Professor), Rebecca Mann (postdoc, IHPST, Université Paris-1).

Other Doctoral Dissertation Committees Include:

Jonathan Kaplan (Oregon State, Professor), Patrick Forber (Tufts, Professor), Amol Sarva, Angela Potochnik (Cincinnati, Professor), Ben Jeffares, Bharath Vallabha, Ron Planer (University of Wollongong, Lecturer), Ben Phillips (Arizona State, Associate Professor), Frank Boardman (Worcester State University, Assistant Professor), Marilyn Johnson (University of San Diego, Associate Professor), Rosa Cao (Stanford, Associate Professor), Gil Shen, Zoey Lavalley (McGill, Postdoc), Walter Veit (U. of Reading, Lecturer).

EDITORIAL AND ADVISORY WORK

Program Committee, Philosophy of Science Association 2008 Meetings.
Editorial board, *Philosophy of Science*, 2009 to 2020.
Advisory Committee to the Program Committee, American Philosophical Association, Eastern Division, 2009-2011.
Associate editor, *Biology and Philosophy*, 2000 to 2016.
Editorial board, *Animal Sentience*, 2015 to present.
Editorial board, *Biology and Philosophy*, 2017 to present.
Governing board, Philosophy of Science Association, 2016 to 2019.

VISITING AND HONORARY POSITIONS

1995 (Spring): Visiting Lecturer, School of Philosophy, University of Sydney.
2000-2001 (Fall term): Visiting Associate Professor, Department of Philosophy, Harvard University.
2011 to 2015: Honorary Professor of Philosophy, University of Sydney.