

# CURRICULUM VITAE

**Peter Godfrey-Smith**

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School of History and Philosophy of Science  
Carslaw Building  
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## CONTACT

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## BIOGRAPHICAL

Born Sydney, Australia in 1965.  
Citizenship: Australia and US.  
Married, 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 2011: Professor of Philosophy, Harvard University.  
2011 to 2017: Distinguished Professor of Philosophy, The Graduate Center, CUNY.  
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."

## **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*.

## **AREAS OF SPECIALIZATION**

Philosophy of biology, philosophy of mind.

## **OTHER RESEARCH AND TEACHING AREAS**

Philosophy of science, pragmatism (especially John Dewey).

## **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.

## **EDITORIAL AND ADVISORY WORK**

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

## **PUBLICATIONS**

### **Books:**

1. *Complexity and the Function of Mind in Nature*. Cambridge: Cambridge University Press, 1996.  
Chinese edition by Hunan Science and Technology Press, 1998.
2. *Theory and Reality: An Introduction to the Philosophy of Science*. Chicago: University of Chicago Press, 2003.  
Romanian edition by Herald Press, 2012; Persian edition, 2013; Korean edition in preparation; Arabic edition in preparation (Jadawel publishing).

3. *Darwinian Populations and Natural Selection*. Oxford: Oxford University Press, 2009. Chinese edition in preparation.
4. *Philosophy of Biology*. Princeton: Princeton University Press, 2014. Greek edition in preparation (Crete University Press).
5. *Other Minds: The Octopus, the Sea, and the Deep Origins of Consciousness*. New York: Farrar, Straus and Giroux, 2016. (UK edition by Harper-Collins, 2017.) French, Portuguese, Italian, German, Romanian, Chinese, Turkish, Spanish, Polish, Greek, and Korean translations in preparation. Shortlisted for the Royal Society Insight Investment Book Prize, 2017

#### **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: 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>

### 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/>. 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.

### **Empirical Work:**

1. "Field Observations of Mating in *Octopus tetricus* Gould, 1852 and *Amphioctopus marginatus* (Taki, 1964) (Cephalopoda: Octopodidae)," with (as first author) Christine Huffard. *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 Matthew 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. Linqvist, P. Godfrey-Smith), in press in *Marine and Freshwater Behavior and Physiology*.



**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 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://animalstudiesrepository.org/animsent/vol1/iss3/21/>
35. "Complexity Revisited," *Biology and Philosophy* 32 (2017): 467-479.

**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. 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.
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.
9. "Do Squid Feel Pain?" (review of Dehaene's *Consciousness and the Brain*), *London Review of Books* 38 (February 2016), pp. 25-26.
10. "Loss of Music," *The Conversation*. November 25, 2016. <https://theconversation.com/friday-essay-the-loss-of-music-68169>  
Republished by ABC News (Australia) as "Does the Rise of Streaming and Downloading Mean the Loss of Music?" November 27, 2016.
11. "Octopuses and the Puzzle of Aging," *New York Times*, December 2, 2016.

**Doctoral Dissertations (Primary Advisor):**

Janet Stemwedel (San Jose State, Associate Professor), Matthew Barrett, Ben Escoto, Michael Weisberg (U. of Pennsylvania, Professor), Ken Reisman (co-advisor with Ken Taylor), Robert Jones (Cal State Chico, Associate Professor), Arnon Levy (Hebrew University, Assistant Professor), Kritika Yegnashankaran, John Matthewson (co-advisor with Kim Sterelny and Alan Hájek; Massey University, Lecturer), Brett Calcott (co-advisor with Kim Sterelny), Austin Booth, Derek Skillings (Postdoc, University of Bordeaux/CNRS), Henry Shevlin (Postdoc, Cambridge University).

### **Other Doctoral Dissertation Committees:**

Jonathan Kaplan (Oregon State, Associate Professor), Patrick Forber (Tufts, Associate Professor), Amol Sarva, Angela Potochnik (Cincinnati, Associate Professor), Ben Jeffares, Bharath Vallabha, Ron Planer (ANU, postdoc), Ben Phillips, Frank Boardman, Marilyn Johnson (Florida International University, postdoc).

### **NAMED LECTURES AND KEYNOTES**

- Harvard/MIT Graduate Conference, 2006, keynote  
"Dewey, Continuity, and McDowell"

- Inland Northwest Philosophy Conference 2008, Moscow (Idaho), keynote.  
"Inductive Inference and Natural Kinds."

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

UCSD Philosophy Graduate Symposium, 2009, keynote.  
"Inductive Inference and Natural Kinds."

- Northern New England Philosophy Association Meetings, 2010, keynote  
"The Evolution of Meaning"

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

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

- Inaugural *Gesellschaft für Wissenschaftsphilosophie* (GWP) Conference, Hannover Germany, 2013, keynote.  
"On the Relation Between Philosophy and Science"

- SANU Conference, 2015, Sydney, keynote.  
"Complex Life Cycles and the Evolutionary Process"

- Northern New England Pragmatist Forum, Vermont, 2015, keynote  
"Dewey and Anti-Representationalism"

- Society for Philosophy and Psychology, Baltimore, 2016, keynote.  
"Phylogenies of Consciousness"
- Jack Smart Lecture 2017, Australian National University.  
"Materialism, Subjectivity, and Evolution"
- Opening address at the Center for Philosophies of Science, ANU, 2016.  
"Bodies and Minds in Animal Evolution"
- Barry Taylor and David Lewis Philosophy Lecture, University of Melbourne, 2017.  
"Materialism"

### **OTHER SELECTED LECTURES AND PRESENTATIONS**

"Author meets Critics" session on *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, 2000, Vancouver • Columbia University, History and Philosophy of Science Colloquium, 2001.

"Adventures in Indoor Ornithology"

- Berkeley/Stanford Graduate Student Conference, Keynote, 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.

"Inductive Inference and Natural Kinds."

- Australasian Association of Philosophy, 2008 • NYU, Philosophy Department Colloquium, 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, 2009.

"Author Meets Critics" session on *Darwinian Populations and Natural Selection*.

- Pacific Division Meetings of the American Philosophical Association, San Francisco, 2010.

"Sender-Receiver Systems Within and Between Organisms."

- PSA 2012, San Diego.

"What do Generalizations of the Lewis Signaling Model Tell Us About Information and Meaning?"

- MIT Philosophy Department Colloquium, 2013 • Columbia University, Philosophy Department Colloquium, 2013.

"Complex Life Cycles and the Evolutionary Process"

- PSA 2014, Chicago • Santa Fe Institute, 2015.

"Animal Evolution and the Origins of Experience"

- Animal Consciousness: Evidence and Implications, Harvard University, 2014
  - Understanding Complex Animal Cognition, Macquarie University, 2015
  - Australasian Association of Philosophy, Macquarie University, 2015
  - Santa Fe Institute, 2015.