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ROBERT A. WILSON

Department of Philosophy

4-115 Humanities

University of Alberta

Edmonton, Alberta, T6G 2E5

Canada

Tel.: 780-492-8994 (office, voice)

e-mail: rob.wilson@ualberta.ca

<http://www.ualberta.ca/%7Ephilosop/faculty/wilson/>

Current Academic Positions

Professor with tenure, Dept. of Philosophy, University of Alberta, since July 2000

Director, Program in Science, Technology, and Society, U of Alberta, since July 2005

Previous Positions

Associate & Assistant Professor with tenure, Philosophy and The Beckman Institute,
University of Illinois, Urbana-Champaign, August 1996-July 2001

Associate & Assistant Professor, Philosophy, Queen's University, July 1992-August 1996.

Education

Cornell University, 1987/88 - 1991/92

M.A. in Philosophy, January 1990

Ph.D., August 1992 (with a Cognitive Studies minor)

University of Western Australia, 1982-1985

B.A. with First Class Honours in Philosophy, April 1986

Areas of Specialization

Philosophy of Mind and Cognitive Science, Phil. of Biology, Phil. of Science

Chief topics of publications in these fields:

- individualism, computationalism, psychological explanation, realization
- essentialism in biology, the nature of species, levels and units of natural selection, group-level cognition, organisms
- explanation, pluralism, natural kinds, realism

Areas of Competence

Metaphysics and Epistemology, History of Philosophy (Modern), Ethics

Chief topics of interest in these fields:

- individuation and taxonomy, naturalistic epistemology
- Locke, 17th-century corpuscularianism, Hume's moral theory
- moral motivation, moral psychology, metaethics

Topics of Current Research

- situated cognition, the extended mind: implications & applications
- group-level cognition, memory, and sociality
- species cohesion
- individuals in the cognitive, biological, and social sciences

Other Interests

20th-century philosophy, analytical feminism, history of eugenics

Books and Monographs

7. **Genes and the Agents of Life: The Individual in the Fragile Sciences: Biology**, 2005, Cambridge University Press. 312 pp. Hard & paperback, 2005. See <http://www.cup.org/titles/catalogue.asp?isbn=0521544955>
6. **Boundaries of the Mind: The Individual in the Fragile Sciences: Cognition**, 2004, Cambridge University Press. 392 pp. Simultaneous hard & paperback. See <http://www.cup.org/titles/catalogue.asp?isbn=0521544947>
 - Outstanding Title, Choice, December 2004.
5. **Explanation and Cognition**, 2000. MIT Press, Cambridge, MA. Edited with Frank Keil, Psychology, Yale University. 406 pp., 13 commissioned essays, based on the special issue of the journal Minds and Machines (see 2. below).
4. **Species: New Interdisciplinary Essays**, 1999. MIT Press, Cambridge, MA. Editor. x + 325 pp., 12 original, commissioned essays. Simultaneous hard & paperback.
3. **The MIT Encyclopedia of the Cognitive Sciences**, 1999. MIT Press, Cambridge, MA. General editor, with Frank Keil, Psychology, Yale University. 8 advisory editors. cxxxii + 964 pp, 471 articles, 6 overview essays, ~ 1 200 000 words. Published in hardcover / CD-ROM, with website access; paper October 2001.
 - American Association of Publishers, Professional/Scholarly Publishing Division 1999 Prize in the Category of Psychology.
 - Edition for the People's Republic of China, Shanghai Foreign Language Edition Press, 2000. Spanish translation 2002; Japanese translation in prep.
2. "Cognition and Explanation", special issue of **Minds and Machines** 8 (Feb. 1998), pp.1-159, co-edited with Frank Keil, Psychology, Yale University.
1. **Cartesian Psychology and Physical Minds: Individualism and the Sciences of the Mind**, Cambridge Studies in Philosophy. Cambridge University Press, N.Y., 1995. xii + 273 pp. Paperback 1997.
 - Outstanding Title, Choice, April 1996.
 - Ch.2, "An *a priori* argument: the argument from causal powers" reprinted in W.G. Lycan (ed.), **Mind and Cognition: An Anthology**, 2nd ed., Blackwell, 1998.

Published, In Press or Invited Research Papers

(a) Refereed

14. 2004, "Realization: Metaphysics, Mind, and Science", **Philosophy of Science** 71 (December 2004, Proceedings): S985-996.
13. 2004, "Test Cases, Resolvability, and Group Selection: A Critical Examination of the Myxoma Case", **Philosophy of Science** 71 (July 2004): 380-401.
12. 2003, "Intentionality and Phenomenology", **Pacific Philosophical Quarterly** 84 (November 2003), pp.413-431.
11. 2003, "Pluralism, Entwinement, and the Levels of Selection", **Philosophy of Science** 70 (July 2003), pp.531-552.
10. 2002, "Locke's Primary Qualities", **Journal of the History of Philosophy** 40 (April 2002), pp.201-228.
9. 2001, "Two Views of Realization", **Philosophical Studies** 104 (May 2001), pp.1-30.
8. 2001, "Group-Level Cognition", **Philosophy of Science** 68 (2001 supp.), S262-S273.
7. 2000, "Some Problems for 'Alternative Individualism'", **Philosophy of Science** 67 (December 2000), pp.671-679.
6. 1996, "Promiscuous Realism", **British Journal for the Philosophy of Science** 47 (June 1996), pp.303-316.
5. 1994, "Wide Computationalism", **Mind** 103 (July 1994), pp.351-372.
4. 1994, "Causal Depth, Theoretical Appropriateness, and Individualism in Psychology", **Philosophy of Science** 61 (March 1994), pp.55-75.
3. 1993, "Against A Priori Arguments for Individualism", **Pacific Philosophical Quarterly** 74 (March 1993), pp.60-79.
2. 1992, "Individualism, Causal Powers, and Explanation", **Philosophical Studies** 68 (November 1992), pp.103-139.
1. 1988, (with M.S. Candlish), "Moving", **Australasian Journal of Philosophy** 66 (June 1988), pp.174-187.

(b) Invited

21. in press, "How to Situate Cognition: Letting Nature Take its Course" (with Andy Clark) for Murat Aydede and Philip Robbins (editors), **The Cambridge Handbook of Situated Cognition**. ~12 000 words.
20. in press, "Meaning Making and the Mind of the Externalist", in Richard Menary (editor), **Externalism**. Ashgate. ~8 500 words
19. in press, "Realization", (with Carl Craver). Review essay for the **Handbook of the Philosophy of Psychology and Cognitive Science**, Kluwer, edited by Paul Thagard. ~12 000 words.
18. in press, "What Computers (Still, Still) Can't Do: Jerry Fodor on Computation and Modularity", in R. J. Stainton, M. Ezcurdia, and C. D. Viger (eds.), **New Essays in Philosophy of Language and Mind**. Supplementary issue 30 of the *Canadian Journal of Philosophy*, ~6500 words.
17. 2005, "Collective Memory, Group Minds, & the Extended Mind Thesis", special issue **Cognitive Processing**, 6 (4), December 2005, ed. by John Sutton ~8 500 words.
16. 2005, "Persons, Social Agency, and Constitution", **Social Philosophy and Policy** 22 (Summer 2005), pp.49-69. Also published in E. Frankl Paul, Fred D. Miller, Jr.,

- and Jeffrey Paul (editors), **Personal Identity**, New York, Cambridge University Press, 2005
15. 2005, "Introduction: Philosophy of Psychology". Review essay for S. Sarkar and J. Pfeiffer (eds.), **The Philosophy of Science: An Encyclopedia**, 2 volumes. New York: Routledge.
 14. 2004, "Recent Work in Individualism in the Social, Behavioural and Biological Sciences", **Biology and Philosophy**, 19 (June 2004), pp.397-423.
 13. 2003, "Externalism", in L. Nadel et al. (eds.), **Encyclopedia of Cognitive Science**. London: Macmillan Publishers, pp.92-97.
 12. 2003, "Individualism", ch.11 of S. Stich and T.A. Warfield (eds.) **Blackwell Guide to Philosophy of Mind**. New York: Blackwell, pp.256-287.
 11. 2001, "The Cognitive Sciences: A Comment on 6 Reviews of *The MIT Encyclopedia of the Cognitive Sciences*", **Artificial Intelligence**, 130 (August 2001):223-229. [Reviews by Phil Husbands, Catherine Carr, Bonnie Jean Dorr, Donald Peterson, Yoshi Okamoto, and George Lakoff.]
 10. 2000, "The Mind Beyond Itself", in D. Sperber (ed.), **Metarepresentations: A Multidisciplinary Perspective**. Volume 10, Vancouver Studies in Cognitive Science. New York: Oxford University Press, pp.31-52.
 9. 2000, (with Frank Keil), "Explaining Explanation", editors' introduction to **Explanation and Cognition**. Cambridge, MA: MIT Press, pp.1-18.
 8. 2000, (with Frank Keil), "The Shadows and Shallows of Explanation", in F.C. Keil and R.A. Wilson (eds.), **Explanation and Cognition**. Cambridge, MA: MIT Press, pp.87-114. Modified version of 2. below.
 7. 1999, "The Individual in Biology and Psychology", in V.G. Hardcastle (ed.), **Where Biology Meets Psychology: Philosophical Essays**. Cambridge, MA: MIT Press, pp.357-74.
 6. 1999, "Realism, Essence, and Kind: Resuscitating Species Essentialism?", in R.A. Wilson (ed.), **Species: New Interdisciplinary Essays**. Cambridge, MA: MIT Press, pp.187-207.
 5. 1999, "Introduction", in R.A. Wilson (ed.), **Species: New Interdisciplinary Essays**. Cambridge, MA: MIT Press, pp.ix-xvii.
 4. 1999, "Philosophy: Introduction", in Wilson and Keil (eds.), **The MIT Encyclopedia of the Cognitive Sciences**. Cambridge, MA: MIT Press, pp.xv-xxxvii.
 3. 1999, "Individualism", in R.A. Wilson and F.C. Keil (eds.), **The MIT Encyclopedia of the Cognitive Sciences**. Cambridge, MA: MIT Press, pp.397-99.
 2. 1998, (with Frank Keil), "The Shadows and Shallows of Explanation", in "Cognition and Explanation", special issue of **Minds and Machines** 8 (February 1998), 137-159. Modified version appears as 8. above.
 1. 1998, (with Frank Keil), "Cognition and Explanation: Foreword", special issue of **Minds and Machines** 8 (February 1998), 1-5.

(c) Book Reviews and Review Essays

15. 2005, Review of Derek Melser *The Act of Thinking* (MIT Press, 2004), **Notre Dame Philosophical Reviews** (2005.04.02) See <http://ndpr.nd.edu/review.cfm?id=2281>
14. 2004, Review of Joseph LaPorte, *Natural Kinds and Conceptual Change* (Cambridge University Press), **Philosophy in Review** 24 (December 2004), pp.423-426.

13. 2004, Critical review of Philip Kitcher's *In Mendel's Mirror* (Oxford University Press, 2003), **Human Nature Review**, 4 (1 January 2004), pp.1-13. See <http://human-nature.com/nibbs/04/rawilson.html>.
12. 2002, Extended review of 'Fighting for the Good Cause': *Reflections on Francis Galton's Legacy to American Hereditarian Psychology* (American Philosophical Society), **Victorian Review** 28, pp.95-104.
11. 2002, "I, Primate", **Biology and Philosophy** 17, pp.285-299. Extended review of Sarah Hrdy's *Mother Nature: A History of Mothers, Infants, and Natural Selection*. (Pantheon Books, 1999) and Shirley Strum and Linda Fedigan's *Primate Encounters: Models of Science, Gender, and Society*. (U of Chicago Press, 2000).
10. 2001, (with David L. Nanney) "Life's Early Years", **Biology and Philosophy** 16 (December 2001), pp.733-746. Extended review of J. William Schopf's *Cradle of Life: The Discovery of the Earth's Earliest Fossils* (Princeton, 1999) and Iris Frye's *The Emergence of Life on Earth: A Historical and Scientific Overview* (Rutgers, 2000).
9. 2001, Review of Rodney Cotterill's *Enchanted Looms: Conscious Networks in Humans and Computers*, Cambridge University Press, 1998. **Minds and Machines** 11 (May 2001), pp.433-437.
8. 2000, (with Frank Keil), "The Concept Concept: The Wayward Path of Cognitive Science". Extended review of Jerry A. Fodor's *Concepts: Where Cognitive Science Went Wrong*, Oxford University Press, 1998. **Mind and Language** 15 (April/June 2000), pp.308-18.
7. 1998, Joint review of Ed Hutchins' *Cognition in the Wild*, MIT Press, 1995, and Ron McClamrock's *Existential Cognition: Computational Minds in the World*, University of Chicago Press, 1995. **Mind** 107 (April 1998), pp.486-492.
6. 1998, Review of Steven Horst's *Symbols, Computation, and Intentionality*, UC Berkeley Press, 1995. **Philosophical Review** 107 (January 1998), pp.120-123.
5. 1997, "Pointers, Codes, and Embodiment", **Behavioral and Brain Sciences** 20 (December 1997), pp.757-758. Commentary on D. Ballard et al. "Deictic Codes for the Embodiment of Cognition", *BBS* 20, pp.723-767.
4. 1996, Review of Jeffrey Poland's *Physicalism*, Oxford University Press. **Philosophical Books** 37 (January 1996), pp.53-56.
3. 1995, Review of Eric Dietrich's *Thinking Computers and Virtual Persons*, Academic Press. **Minds and Machines** 5 (August 1995), pp.450-453.
2. 1994, Review of Walter Brand's *Hume's Theory of Moral Judgment*, Kluwer Academic Publishers. **Review of Metaphysics** 48 (December 1994), pp.394-395.
1. 1994, Review of Philip Pettit's *The Common Mind: An Essay in Psychology, Politics, and Society*, Oxford University Press. **Philosophical Review** 103 (October 1994), pp.715-718.

Research Work in Progress

Domains of the Social: The Individual in the Fragile Sciences: Sociality. Book.

"Non-Mereological Constitution and the Many-Many Problem", submitted April 2005.

"Participation, Externalism, Culture, Mind", first draft April 2005, 5000 words.

"The Mind-Body Problem, Embodiment, and Externalism", partial draft April 2005.

"A Puzzle About Constitution: Cohesive Physical Mereology and the Relational / Intrinsic Constraint", submitted July 2005.

"Levels of Selection", invited paper for Handbook of Philosophy of Biology, edited by Mohan Matthen and Chris Stevens. 10-15 000 words. Due: September 2005.
 "Making Sense of Species Cohesion" (with Matt Barker), just under way.
 Extended review of Richard Burian's *The Epistemology of Development, Evolution, and Genetics*. Cambridge University Press, 2005. Biology and Philosophy. Fall 05.

Paper Presentations

(a) Refereed

21. "Conceptions of Social Organization in the Biological World", International Society for the History, Philosophy, and Social Studies of Biology, Guelph, Ontario, July 13-17th, 2005.
20. "Boundaries of the Mind", joint meeting of the European Society for Philosophy and Psychology and the Society for Philosophy and Psychology, Barcelona, July 3-6th, 2004. Poster presentation only.
19. "Essentialism in and on my Mind", joint meeting of the European Society for Philosophy and Psychology and the Society for Philosophy and Psychology, Barcelona, July 3-6th, 2004.
18. "Pluralism, Entwinement, and the Levels of Selection", symposium on "Recent Work on Pluralism and the Levels of Selection", International Society for the History, Philosophy, and Social Studies of Biology", Vienna, July 16-20th, 2003.
17. "The Inseparability Thesis and Phenomenal Intentionality", American Philosophical Association, Pacific Division, San Francisco, March 26-30, 2003.
16. "Sex on the Mind". Contribution to refereed symposium, "The Sexed Two-Body Problem", Canadian Society for Women in Philosophy, Edmonton, October 18-20th, 2002. Co-symposiasts: Maxine Sheets-Johnstone and Susan Babbitt.
15. "Locke on Primary Qualities: Transdictive Inference, Solidity, and Corpuscularianism", presented at the Canadian Philosophical Association meetings, Quebec City, May 24-27th, 2001.
- 13-14. "Two Views of Realization", presented at the Canadian Philosophical Association meetings, Quebec City, May 24-27th, 2001; and at the annual meeting of the Society for Philosophy and Psychology, Cincinnati, June 14-17th, 2001.
12. "Group-Level Cognition", presented at PSA 2000, the biannual meeting of the Philosophy of Science Association, Vancouver, November 2-5, 2000.
- 10-11. "Pluralism, Entwinement, and the Levels of Selection", presented at the Western Canadian Philosophy Association Conference, October 6-9th, Edmonton, Alberta. Revised version presented at Canadian Philosophical Association meetings, Quebec City, May 24-27th, 2001.
9. "The Group Mind Hypothesis", presented at the 1999 Royal Institute for Philosophy Conference, "Naturalism, Evolution and Mind", Edinburgh, July 14-17th, 1999.
8. "Evolution, Modularity, and Individualism in Psychology", paper presented to the 20th annual meeting of the Society for Philosophy and Psychology, University of Memphis, June 1994.
7. "Moral Motivation: A Realist Defence of Humeanism", paper presented to the Nineteenth Hume Society Conference, June-July, 1992, Nantes, France.

- 5-6. "Wide Computationalism", paper presented both to the annual meeting of the Canadian Philosophical Association, Charlottetown, P.E.I., May, 1992, and to the 18th Annual Meeting of the Society for Philosophy and Psychology, McGill University, June 1992.
4. "Individualism in Psychology, Causal Depth, and Theoretical Appropriateness", paper presented to the Southern Society for Philosophy and Psychology, April 1992, Memphis, Tennessee.
3. "What Should a Realist Say About Moral Motivation?", paper presented to the A.P.A. Central Division Meeting, April 1992, Louisville, Kentucky.
2. "Why Explanations of Behaviour Need Not Be Individualistic", paper presented to the A.P.A. Pacific Division Meeting, March, 1992, Portland, Oregon.
1. "Individualism and Causal Powers", paper presented to 17th Annual Meeting, Society for Philosophy and Psychology, San Francisco State University, June 1991.

(b) Invited

46. Commentary on an invited paper by Robert Rupert (U of Colorado) in a session on extended cognition convened by Carl Gillett, Central Division, American Philosophical Association, Chicago, April 2006.
45. Author meets critics session on Mohan Matthen's Seeing, Doing, and Knowing (Oxford, 2004). Western Canadian Philosophical Association, Winnipeg, October 7-9th, 2005.
44. "A Puzzle About Constitution", *Philosophy*, University of Auckland, June 20th, 2005.
43. Discussion round table contribution, based on *Genes and the Agents of Life and Boundaries of the Mind*, Konrad Lorenz Institute, Vienna, January 14th, 2005.
- 41-42. "The Group Mind Hypothesis in the Biological and the Social Sciences: Past and Present", Konrad Lorenz Institute Winter Seminar Series, Vienna, January 13th, 2005. Version also given to the Department of Philosophy, Central European University, Budapest, January 19th, 2005.
40. "Group-Level Memory: What it is (and isn't), and Why it Matters to the Biological and Social Sciences", Workshop on Memory, Media, and Social Theory, Macquarie University, December 2-3rd, 2004
39. "Organisms as Agents of Life", *Philosophy*, Research School of Social Sciences, Australian National University, November 25th, 2004.
- 37-38. "A Puzzle About Constitution: Cohesive Physical Mereology and the Relational / Intrinsic Constraint", *Philosophy*, University of Queensland, November 26th, and *Philosophy*, University of Sydney, 20th September, 2004.
36. "Non-Mereological Constitution, Persons, and Metaphysics", *Philosophy*, Monash University, 17th September, 2004.
35. "The Agents of Life", *Philosophy*, University of Melbourne, 16th September, 2004.
34. "Essentialism and Nativism about the Mind", *Philosophy*, University of Adelaide, 10th September, 2004.
33. "Organisms, Agency, and Life", Joint Colloquium in the Philosophy of Science, University of British Columbia and Simon Fraser University, April 30, 2004.
32. "Persons, Constitution, and Social Agency", conference on personal identity, Social Philosophy and Policy Center, Bowling Green State University, April 1-4, 2004.

31. "Essentialism and Nativism in the Biological and Cognitive Sciences", Psycholoquium, Dept. of Psychology, University of Alberta, March 19, 2004.
30. "Essentialism in and on the Mind", conference on psychological essentialism, University of Oregon, February 28 – March 1, 2003.
29. "Realization and Localistic Biases in Cognitive Neuroscience", Philosophy of Science Association, as part of a symposium on realization and the neurosciences, with Barbara von Eckardt, Thomas Polger, and Carl Craver, November 7-10th, 2002, in Milwaukee, Wisconsin.
28. Western Canadian Philosophical Association, as part of a symposium on the philosophy of biology, with Mohan Matthen and Marc Ereshefsky, October 27-28th, 2002, in Calgary, Alberta.
27. "Organisms, Agency, and Life", Philosophy, University of Calgary, October 2001.
26. "What Computations (Still, Still) Can't Do: Jerry Fodor as Hubert Dreyfus?". Talk in the symposium *Language, Abduction, and Computation*, organized by Robert Stainton and Chris Viger, at the Canadian Philosophical Association meetings, Quebec City, May 24-27th, 2001.
25. "The Group Mind Hypothesis", Konrad Lorenz Institut für Evolutions- und Kognitionsforschung, Altenberg, Austria, August 1999.
24. "Individuals and Natural Selection", Konrad Lorenz Institut Für Vergleichende Verhaltensforschung, Vienna, June 1999.
23. "Locke's Primary Qualities", Philosophy, U. of Alberta, Edmonton, April 1999.
22. "Ways of Mind Making", Lunch-hour presentation, Center for Advanced Study, UIUC, January or February 1999.
21. "Realization, Physicalism, and the Mind", Philosophy, joint colloquium at Illinois State University and Illinois Wesleyan University, October 1998.
20. Panelist on "Cognition and Culture" at the Mind, Brain, and Language Conference, Center for Advanced Study, University of Illinois, May 1998.
19. "Metarepresentation and the Worldly Mind", Philosophy/PNP, Washington University, St. Louis, MO, March 1998.
18. "The Individual in Biology and Psychology", History and Philosophy of Science, Northwestern University, Evanston, IL, February 1998.
17. "Explanation and Cognition: Exploring the Shadows and Shallows of Explanation", Developmental Brown Bag Series, Department of Psychology, University of Illinois, Urbana-Champaign, October 1997.
16. "The Individual in Biology and Psychology", Bi-annual meeting of the International Society for the History, Philosophy and Social Study of Biology, Seattle, Washington, July 1997.
15. "Wide Realizations", Department of Philosophy, University of Michigan, Ann Arbor, April 1997.
14. "The Mind Beyond Itself", Tenth Annual Vancouver Cognitive Science Conference, February 1997. Theme: Metarepresentation.
13. "On the Realization of Mental Properties: Constitution, Determination, and Width", Department of Philosophy, University of Wisconsin, Madison, October 1996.
12. "How Wide is an Animal's Mind?", conference on cognitive ethology, University of Colorado, Boulder, April 1996.
- 10-11. "Beyond Wide Computationalism" Cognitive Science, State University of New York, Buffalo, April, 1996. Also presented to the Department of Philosophy, University of Illinois, Urbana-Champaign, January 1996.

9. "Some Thoughts About Natural Kinds", Department of Philosophy, University of Western Australia, August 1995.
8. "Folk Psychology's Place", Department of Philosophy, University of Western Australia, March 1995.
7. "Psychology and the World", Cognitive Studies, Cornell University, November 1994.
6. "The Place of Folk Psychology in Explaining Human Behaviour", Department of Philosophy, Cornell University, November 1994.
5. "Wide Computationalism", Cognitive Science Distinguished Lecture Series, Carleton University, Ottawa, November 1993.
4. "Making Sense of Mental Causation Without Individualism", Department of Philosophy, University of Auckland, September 1992.
- 2-3. "On Two A Priori Arguments for Individualism in Psychology: Scientific Psychology and the Nature of Properties", Department of Philosophy, Monash University, August 1992; and the University of Auckland, September 1992.
1. "Individualism, Causal Powers, and Explanation", Department of Philosophy, Queen's University, January 1992.

(c) Others

29. "Myxomatosis and the Levels of Selection", Department of Biological Sciences, September 12th, 2005.
28. Informal talk about Federation Fellowship proposal, Department of Philosophy, Macquarie University, May 2005.
27. "A Puzzle About Constitution: Cohesive Physical Mereology and the Relational / Intrinsic Constraint", Philosophy, University of Western Australia, September 2004.
26. "Persons, Social Agency, and Constitution", Philosophy Colloquium, University of Alberta, February 2004.
25. Commentary on Christopher Lepock's "Adaptability and Perspective", Philosophy Colloquium, University of Alberta, November 2003.
24. "The Agents of Life", Philosophy Colloquium, University of Alberta, November 2003.
23. "Group Minds 1870-1930: Superorganisms, Collective Psychology, and the Fragile Sciences", Science and Humanities Circle, University of Alberta, October 2002.
22. "Galton's Eugenics: Some Questions", Science and Humanities Circle, University of Alberta, October 2002.
21. "The Intentionality Thesis and Phenomenal Intentionality", Philosophy Colloquium, University of Alberta, September 2002
20. "Arguing about Group Selection: The Myxoma Case", Philosophy Colloquium, University of Alberta, September 2002.
19. Commentary on Carl Gillett's "The Dimensions of Realization: A Critique of the Standard View", 28th annual meeting of the Society for Philosophy and Psychology, Edmonton, June 2002.
18. "Metaphors for Talking About the Metaphysics of Science: Levels, Entwinement, and Clusters", informal talk to the 1st meeting of the Science and Humanities Circle, U of Alberta, February 2002.

- 16-17. "Organisms, Agency, and Life", Philosophy Colloquium, U of Alberta, November, 2001. Version also presented to special colloquium session, Department of Biological Sciences, March 2002.
15. "The Domain of Thoughts", talk at a 2-day symposium *Exploring the Domain of Images*, University of Illinois, Urbana-Champaign, April 26-27th, 2001. Keynote speakers: W.J.T. Mitchell and James Elkins.
14. "Individualism, Materialism, and the Concept of Realization", Philosophy Colloquium, U of Alberta, October 2000.
13. "The Individual in the Fragile Sciences", Phil. Colloq., U of Alberta, October 2000.
12. "Locke's Primary Qualities", Philosophy Colloquium, UIUC, November 1998.
11. "On the Realization of Mental Properties", Philosophy Colloq., UIUC, May 1997.
10. "Realism, Essence, and Kind", Philosophy Colloquium, Queen's University, November 1995.
9. "On the Physical Realization of Mental Properties", Australasian Association of Philosophy, July 1995.
8. "The Place of Folk Psychology: Computationalism, Individualism, and Narrow Content", Philosophy Colloquium, Queen's, October 1994.
7. "Understanding Mental Causation", Philosophy Colloq., Queen's, September 1993.
6. "What is Individualism in Psychology?", Phil. Colloquium, Queen's, August 1993.
5. Comments on Rachel Haliburton's "The Natural Ontological Attitude", Philosophy Colloquium, Queen's, December 1992.
4. Comments on Dr. Kim Sterelny's "Other Minds", Phil. Colloq., Queen's, Nov. 1992.
3. "Individualism, Causal Powers, and Explanation", Discussion Club, Sage School of Philosophy, Cornell University, October, 1991.
2. "Individuation in Psychology and in the Neurosciences", Spring Intramural Cognitive Studies Workshop, Cornell University, May 1991.
1. "Causation, Autonomy and Semantic Explanations", comments on Professor Daniel Dennett's "Two Black Boxes: A Fable", Philosophy Discussion Club, Cornell University, April 1991.

Supervision, Academic Advising, and Teaching

(a) Theses supervised:

6. Matt Barker, "Species of Biology: The Cohesion and Individuality of Biological Species, M.A., August 2005, Alberta.
5. Peter Asaro, "On the Origins of the Synthetic Mind: Working Models, Mechanisms, and Simulations. Ph.D., May 2005, Illinois. Supervisor until thesis examination.
4. Ken Bond, "Patterns in Nature: Metaphor in Biological Explanation", M.A., Alberta, June 2004.
3. Peeter Piegaze, "Grounding Computation in the Physical World", M.A., Queen's, May 1996.
2. Rosemary Renton, "Qualia, Consciousness, and Functionalism", M.A., Queen's, September 1995.
1. Shashy Dass, "Commissurotomy and Personal Identity", M.A., Queen's, December 1994.

(b) Other supervisory work at the University of Alberta, since 2000

Currently thesis advisor for Robert Derrah (Ph.D., epistemology), Jennifer Greenwood (Ph.D., phil of mind), and Seyyed Mousavian (Ph.D., phil of mind).

Currently Ph.D. thesis committee member for John Simpson (social dynamics of rationality), Chris Lepock (epistemology and phil of mind), Patrick McGivern ("Physicalism, Compositionality, and Parthood"), Vladan Djordjevic (counterfactuals and philosophical logic), Philosophy; and Michael Billinger (theories of race), Anthropology.

Candidacy committee member for Michael Billinger (Anthropology: theories of race) and Michael Hoff (Psychology: categorization).

Previously graduate thesis committee member for Tal Aviran ("On Content and Truth Conditions"; Ph.D. defended December 2002) and Brian Leahy (Lewis and Searle on social reality; M.A. defended April 2003).

Comprehensive examiner for Elizabeth Panasiuk (phil of mind, March 2003), Shaheen Islam (logic, June 2003; epistemology, February 2004), Jeff Hodgson (phil of science, September 2003 and January 2004), Chris Lepock (phil of mind, October 2003), Robert Derrah (epistemology, January 2004).

Independent studies: Matt Barker (grad, species and essentialism, Winter 04), Jennie Greenwood and Chris Lepock (grads, consciousness, Winter 03), Catherine Perraton (undergrad, Baldwin Effect, Winter 02)

Undergraduate honours essay supervisor for Catherine Perraton (the Baldwin Effect and Evolution, 2001-02). Winner of Philosophy Prize, 2002.

(c) Other supervisory work at the University of Illinois, 1996-2000

Ph.D. thesis committee member for Bruce Bethell and Reza Lahroodi, Philosophy.

Undergraduate Independent Study/supervision: Ann Ramsey (IS on mutualism and symbiosis, Fall 1996), Nicole Olmstead (IS on mental causation and honors thesis, Spring 1997), Brooke Anderson (IS on biology and sexual orientation, Fall 1998), Rawdon Waller (IS on consciousness, Spring 99).

Departmental advisor to Dr. Huajie Liu, Peking University, Freeman Fellow, 1998-99.

Courses Taught at Alberta

Phil 217, "Biology, Society, & Values", Fall 03, 50 students; Winter 06, 50 students.

Phil 317, "Philosophy of Biology", Fall 2005, 40 students.

Phil 375, "Science and Society". Topic, F 01: Biology and Society, 50 students

Phil 405/505, "Topics in the Philosophy of Mind". Winter 03. 16 students.

Phil 415/547, "Topics in the Philosophy of Biology". Fall 01, 15 students.

Phil 417/547, "Philosophy & Cognitive Science", Fall 00 (with Jeff Pelletier), 15 students; Winter 06, 20 students.

Phil 443/546, "Hobbes and Locke", Fall 03, 25 students

Courses Taught at Illinois

- Philosophy 105, "Introduction to Ethics", semester-long introductory course. Fall 97, 175 students. Discovery course version Spring 1999: 20 students.
- Philosophy 280, "Current Controversies", Spring 1999, 30 students. Special Topic: Individuals: Self, Subjectivity, and Science.
- Philosophy 371, "Philosophy of Science", semester-long senior/graduate course. Special topic: Philosophy of Biology, Fall 96, 6 students.
- Philosophy 373 / Biology 373, "Philosophy of Biology". Spring 2000, 25 students.
- Philosophy 377, "Philosophy of Psychology", semester-long senior/graduate course. Spring 97, 16 students, and Fall 97, 20 students. Cross-listed as Psych 377, Fall 97.
- Philosophy 401, "History of Philosophy", graduate seminar, 10 students. Fall 1998. Special Topic: Locke's Essay.
- Phil 470, "Proseminar in Cognitive Science". Spring 2001. Cross-listed as: Anth 470, CS 449; EdPsych 471, Ling 470, Phil 470, Psych 471. 50 graduate students.
- CAS 487, "The Domain of Images", Spring 2001. Faculty and graduate student seminar, Center for Advanced Studies. 24 faculty, 6 grads.

Courses Taught at Queen's

- Philosophy 115, "Fundamental Questions", year-long intro course, 1992-93, 133 students.
- Philosophy 120, "The Self and Others", year-long introductory course. Introduced at Queen's 1993-94, 75 students; Fall 95, 36 students.
- Philosophy 260, "Logic and Language", semester-long course, Winter 96, 24 students.
- Philosophy 350, "Contemporary Metaphysics and Epistemology", year-long course taught jointly with Professor Susan Babbitt. Introduced at Queen's 1993-94, 12 students. 1994-95, 20 students. Special topic: Naturalistic Epistemology.
- Philosophy 381, "Philosophy of the Natural Sciences", semester-long course, Winter 93 and Winter 94, 30-35 students.
- Philosophy 411/811, "Topics in Philosophical Psychology", semester-long seminar, Winter 96, 10 students (4 u/grad, 6 grad). Special topic: Individualism and Mental Representation.
- Philosophy 450/850, "Topics in the Philosophy of Science", Fall 94, 15 students (10 u/grad, 5 grad). Special topic: Phil. Issues in Evolutionary Biology.
- Philosophy 451/851, "Current Issues in Epistemology", semester-long seminar, Fall 1992, 10 students (3 u/grad, 7 grad). Topic: Individualism and Intentionality.
- Philosophy 990, "Philosophical Methods", graduate-only course. Fall 94 and Fall 95, 7 & 10 students.

Academic Honors, Distinctions and Awards

- **Faculty of Arts Research Prize (Senior Researcher)**, Faculty of Arts, University of Alberta, April 2005.
- **College of Reviewers**, Canada Research Chairs Program of the Social Sciences and Humanities Research Council, Canada, 2004.

- **Advisory Editorial Board**, Cambridge Handbook of Situated Cognition, edited by Phil Robbins and Murat Aydede, since 2004 for publication in 2006.
- **2004 Faculty of Arts Nominee, J. Gordin Kaplan Award for Excellence in Research**, University of Alberta. 1 of 2 nominees, Faculty of Arts.
- **Inaugural Carleton University Cognitive Science Conference, 2002**. Invited to serve as chief program organizer. [Declined due to other commitments]
- **Association of American Publishers 1999 Professional/Scholarly Publishing Award in the Category of Psychology** for *The MIT Encyclopedia of the Cognitive Sciences*.
- **Fellowship**, Program for LAS Study in a Second Discipline, College of Liberal Arts and Sciences, University of Illinois, Fall 1999. Area: Genetics & Development.
- **Series Editor** (with Kim Sterelny, Victoria University of Wellington and RISS, Australian National University), *Life and Mind: Philosophical Issues in Biology and Psychology*, being a book series with MIT Press. Books published so far are:
 - Paul Thagard, *Coherence in Thought and Action* (2000)
 - Susan Oyama, Paul E. Griffiths, and Russell D. Gray (eds.), *Cycles of Contingency: Developmental Systems and Evolution* (2001)
 - William Uttal, *The New Phrenology: Limits on the Localization of Cognitive Processes in the Brain* (2001)
 - Bruce Weber and David Depew (eds.), *Evolution and Learning: The Baldwin Effect Reconsidered* (2003)
 - Zenon Pylyshyn, *Seeing and Visualizing: It's Not What You Think* (2003)
 - Lawrence Shapiro, *The Mind Incarnate* (2004)
 - Tim Lewens, *Organisms and Artifacts* (2004)
 - Sahotra Sakhar, *Molecular Models of Life* (2004)
 - Eva Jablonka and Marion Lamb, *Evolution in Four Dimensions* (2005)
- **General Editor**, The MIT Encyclopedia of the Cognitive Sciences, 1995-1999.
- **Chief Consultant**, The Mind Project, headed by David Anderson, Illinois State University. Co-Consultant: Paul Bloom, Psychology, Yale University. Curricular project in cognitive science, 1999-2002.
- **Program Co-Chair**, Society for Philosophy and Psychology, for the annual meeting, June 1998, University of Minnesota.
- **Executive Committee Member**, Soc. for Phil. and Psych., July 1998 - June 2001.
- **Fellow**, Center for Advanced Study, University of Illinois, Urbana-Champaign, Spring 1998. Project: "The Individual in the Human Sciences".
- **Advisory Editor**, Philosophy, The MIT Encyclopedia of the Cognitive Sciences, 1997-1999. [Took over after an editor left the project, 12-14 months in]

- **Richard M. Griffith Award**, Philosophy, Southern Society for Philosophy and Psychology, 1992.
- **Conference Director**, First Western Australian Conference on "Philosophy for Children", July 1986. Keynote speakers: Michael Scriven and Michael Tooley.

Sage Graduate Fellowship, Philosophy, Cornell, Spring 92
Martin M. McVoy Fellowship, Philosophy, Cornell, 1990-91
Cornell Summer Fellowship, Philosophy, 1988, 1990, 1991
Cornell Summer Fellowship, Cognitive Studies, 1989
Sage Graduate Fellowship, Philosophy, Cornell, 1987-88
Fulbright Scholar, from Australia to study at Cornell, 1987
Australian National University Vacation Scholarship, 1984-85
S.A. Grave Prize in Philosophy, University of Western Australia, 1984
John R. Saunders Prize for Philosophy 100, University of W.A., 1982

Major Grants

- SSHRC Individual 3-Year Grant #410-2005-1629. \$~48 000 incl. release time, April 2005 – March 2008, Social Sciences and Humanities Research Council of Canada. Book project: "Domains of the Social". National rank: 7th [of 89 applications in this division].
- SSHRC Aid to Occasional Research Conferences and International Congresses Grant #646-2001-1096. \$9910 from the Social Sciences and Humanities Research Council of Canada, for the 28th Annual Meeting of the Society for Philosophy and Psychology, Edmonton, June 20th-23rd, 2002.
- University of Alberta Conference Fund Grant. \$3000, for the 28th Annual Meeting of the Society for Phil. and Psych., Edmonton, June 20th-23rd, 2002.
- SSHRC Individual 3-Year Grant #410-2001-0061. \$48 000 incl. release time, April 2001 – March 2004, Social Sciences and Humanities Research Council of Canada. Book project: "The Individual in the Fragile Sciences". National rank: 10th [of 126 applications in history, classics, medieval, religion, philosophy section].
- Beckman Equipment Grant, March 1998. \$17 698, joint grant with Kevin Miller, Gary Dell, and Adele Goldberg, Cognitive Science Group, Beckman Institute.
- University of Illinois, Research Board Grant, \$18 400 + laptop, May '96 - April '97. "Re-Exploring the Foundations and Scope of the Cognitive Sciences".
- SSHRC Individual 3-Year Grant #410-96-0497. \$40 669. April 1996-March 1999, Social Sciences and Humanities Research Council of Canada, "Re-exploring and Re-thinking the Foundations and Scope of the Sciences of the Mind".

Invited Professional Refereeing

- 05: External examiner, Stuart Pemberton, M.A. thesis, Philosophy, Macquarie University; Australasian Journal of Philosophy; Biology & Philosophy; British Journal for the Philosophy of Science; Erkenntnis; Phil. & Phenomenological Research, Philosophy of Science, Theoria, MIT Press (Life & Mind).

- 04: Australasian Journal of Phil., Canadian Journal of Phil., Mind & Language (declined), Princeton University Press (Philosophy), MIT Press (Life and Mind Series), University of Chicago Press (Philosophy).
- 03: External examiner, Mazen Guirguis, Ph.D. thesis, Philosophy, University of British Columbia; Social Sciences and Humanities Research Council of Canada (SSHRC) Grants (Philosophy); MIT Press (Philosophy, Life and Mind Series); Princeton University Press (Philosophy), Acta Biotheoretica; Philosophical Studies; Philosophical Psychology; Biology & Phil..
- 02: MIT Press (Philosophy, Life and Mind Series); Aid to Scholarly Publications Programme, Humanities and Social Sciences Federation of Canada; Konrad Lorenz Institute, Altenberg, Austria; SSHRC Grants (Philosophy, declined); Canadian Society for Women in Philosophy conference submission; Biology & Phil.; Phil. Studies; Phil. Psychology.
- 01: Cambridge University Press (Psychology); MIT Press (Philosophy, Cognitive Science, Life and Mind Series); University of Illinois Press (declined); Canadian Philosophical Association; Society for Philosophy and Psychology.
- 00: Cambridge University Press (Philosophy); MIT Press (Philosophy, Cognitive Science, Life and Mind Series); Princeton University Press (Science); Macmillan Publishers (declined); Synthese, Australasian Journal of Phil., Mind & Language, Phil and Phenomenological Research, Journal of Eukaryotic Microbiology; SSHRC Grants (Philosophy).
- 97-99: MIT Press (Neuroscience, Philosophy); International Studies in Philosophy, Phil. and Phenomenological Research (2), SSHRC Grants (Philosophy 3, Cog Science 1), Nous, Phil. of Science (2), Australasian Journal of Phil., Behavior and Phil., Phil. Review, Cognition, Minds & Machines, Mind & Language, SUNY Press (declined).
- 93-96: Phil. of Science, Phil. Studies, Phil. & Phenomenological Research, Mind & Language, Phil. Psychology, Synthese, Canadian Journal of Phil, Canadian Phil. Association, Noûs, Richard M. Griffith Award, Southern Society for Philosophy and Psychology. Invited to referee for Cambridge University Press (declined).

Recent Notable Professional Service

- 2004: Invited reviewer of 105+ philosophy programs, Philosophical Gourmet Report ("The Leiter Report"). Specialist reviewer in philosophy of mind and philosophy of cognitive science.
- 2003-04: Member of Humanities, Fine Arts, and Social Sciences Research Grants Committee, operational and travel grants, University of Alberta

- 2003: Symposium organizer, "Recent Work on Pluralism and the Levels of Selection", International Society for the History, Philosophy, and Social Studies of Biology", Vienna, July 2003. Co-participants: Samir Okasha, Benjamin Kerr.
- 2002-03: Convener and organizer, Science and Humanities Circle, University of Alberta. Discussion group, met fortnightly from Winter 2002 to Winter 2003. Ongoing group now organized by Dr. Andrew Ede, History and Classics.
- 2002: Invited reviewer of ~85 philosophy programs, Blackwell Philosophical Gourmet Report ("The Leiter Report").
- 2002: Consultant, The Mind Project, headed by David Anderson, Illinois State University. NSF-funded curricular project in cognitive science, 2002-05. Funding of ~\$US550 000 for project as a whole.
- 2002: Symposium convener, "The Sexed Two-Body Problem", Canadian Society for Women in Philosophy, Edmonton, October 2002. Co-participants: Maxine Sheets-Johnstone and Susan Babbitt.
- 2002: Advisory editor, symposium review of W. Uttal's The New Phrenology, special issue of Brain and Mind. Synopsis by Uttal, extended reviews by Bill Bechtel and Dan Lloyd, reply by Uttal.
- 2002: Local arrangements organizer, Society for Philosophy and Psychology, Edmonton, June 2002. Included a significant fund-raising role.
- 2001-02: Dean Selection Committee, Faculty of Arts, University of Alberta

Earlier Academic Activities

- 1989: Experimental research with Professor Frank Keil, Psychology, Cornell University, in developmental psychology on the child's theory of mind.
- 1988: Summer study in the Department of Brain and Cognitive Science, MIT, under the supervision of Professor Susan Carey.
- 1987: Variety of teaching with the "Philosophy for Children" curriculum, including teacher in-service courses, professional development seminars, and series of classes for children, Perth, Western Australia.
- 1986: Visitor, (2 months) Institute for the Advancement of Philosophy for Children, Montclair State College, N.J., U.S.A.
- 1985: Vacation Scholar, Philosophy, Research School of Social Sciences, Australian National University. Supervision by Prof. J.J.C. Smart and Dr. G.F. Gaus

08/2005