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Citizenship: Canadian

EMPLOYMENT

Arizona State University, August 2004-

Assistant Professor (tenure-track), School of Life Sciences (Center for Biology & Society)

The University of Arizona, College of Medicine – Phoenix, January 2007-

Assistant Professor, Department of Basic Medical Sciences

Dalhousie University, August 2001-August 2004

Assistant Professor (tenure-track), Department of Philosophy

EDUCATION

McMaster University, 1996-2000

Ph.D. Dissertation: *Taking Development Seriously: Toward a Genuinely Synthetic Biology*.
Supervisory committee: Barry Allen (supervisor), Michael Ruse (Florida State), William Wimsatt (Chicago). External: Evelyn Fox Keller (MIT)

The University of Chicago, Committee on Conceptual Foundations of Science, 1999

Fulbright Scholar. Project: *The Political Puzzle of North American Genomics*. Supervisor: William Wimsatt

McMaster University, 1994-1996

M.A. Thesis: *Biotechnologies of the Self: The Human Genome Project and Modern Subjectivity*.
Supervisor: Barry Allen

Queen's University, 1990-1994

B.A.(Hons.), Major in Philosophy

AREAS OF RESEARCH AND TEACHING

Specialization - philosophy of the life sciences: bioethics, philosophy of biology

Competence - philosophy of medicine, general philosophy of science, feminist philosophy

PUBLICATIONS

Book

- B1. Robert JS. *Embryology, Epigenesis, & Evolution: Taking Development Seriously*. New York: Cambridge University Press [2004]

Book in progress

- B2. Robert JS. *Chimeras, Cyborgs, and the Moral Limits of Science*. In preparation. Contracted with OneWorld Publishers.

Peer-reviewed Articles

- A1. Robert JS. Gene Maps, Brain Scans, and Psychiatric Nosology. Forthcoming in *Cambridge Quarterly of Healthcare Ethics* [2007]
- A2. Baylis F, Robert JS. Human Embryonic Stem Cell Research: An Argument for National Research Review. *Accountability in Research* 13.3: 207-224 [2006]
- A3. Robert JS, Kirk DD. Ethics, Biotechnology, and Global Health: The Development of Vaccines in Transgenic Plants. *The American Journal of Bioethics* 6.4: W29-W41 [2006]
- A4. Robert JS, Maienschein J, Laubichler M. Systems Bioethics and Stem Cell Biology. *Journal of Bioethical Inquiry* 3.1-2: 19-31 [2006]
- A5. Baylis F, Robert JS. Primer on Ethics and Crossing Species Boundaries. Online at http://www.actionbioscience.org/biotech/baylis_robert.html [2006]
- A6. Heathcotte B, Robert JS. The Strange Case of the Humanzee Patent Quest. *National Catholic Bioethics Quarterly* 6.1: 51-59 [2006]
- A7. Robert JS. The Science and Ethics of Making Part-human Animals in Stem Cell Research. *FASEB Journal* 20: 838-845 [2006]
- A8. Campbell R, Robert JS. The Structure of Evolution by Natural Selection. *Biology & Philosophy* 20.4: 673-696 [2005]
- A9. Kirk DD, Robert JS. Assessing Commercial Feasibility: A Practical and Ethical Prerequisite for Human Clinical Testing. *Accountability in Research* 12.4: 281-297 [2005]
- A10. Robert JS, Plantikow T. Genetics, Neuroscience, and Psychiatric Classification. *Psychopathology* 38.4: 215-218 [2005]
- A11. Vinci T, Robert JS. Aristotle and Modern Genetics. *Journal of the History of Ideas* 66.2: 201-221 [2005]
- A12. Robert JS, Smith A. Toxic Ethics: Environmental Genomics and the Health of Populations. *Bioethics* 18.6: 493-514 [2004]
- A13. Robert JS. Model Systems in Stem Cell Biology. *BioEssays* 26.9: 1005-1012 [2004]
- A14. Baylis F, Robert JS. The Inevitability of Genetic Enhancement Technologies. *Bioethics* 18.1: 1-26 [2004]; Reprinted in: Baylis F, Downie J, Hoffmaster B, Sherwin S (eds.) *Health Care Ethics in Canada*. 2nd Edition Toronto: Thomson Nelson: 448-460 [2004]

- A15. Robert JS. Constant Factors and Hedgeless Hedges: On Heuristics and Biases in Developmental Biology. *Philosophy of Science* 70.5: 975-988 [2003]
- A16. Robert JS, Baylis F. Crossing Species Boundaries [target article with commentaries and response]. *The American Journal of Bioethics* 3.3: 1-13 [2003]
- A17. Robert JS. Developmental Systems and Animal Behaviour. Critical notice of *Evolution's Eye: A Systems View of the Biology-Culture Divide*, by Susan Oyama. *Biology & Philosophy* 18.3: 477-489 [2003]
- A18. Robert JS. How Developmental is Evolutionary Developmental Biology? *Biology & Philosophy* 17.5: 591-611 [2002]
- A19. Robert JS, Hall BK, Olson WM. Bridging the Gap between Developmental Systems Theory and Evolutionary Developmental Biology. *BioEssays* 23.10: 954-962 [2001]
- A20. Robert JS. Interpreting the Homeobox: Metaphors of Gene Action and Activation in Development and Evolution. *Evolution & Development* 3.4: 287-295 [2001]
- A21. Robert JS. Genomes, Hormones, and Health. Review essay of *The Elusive Embryo: How Women and Men Approach New Reproductive Technologies*, by Gay Becker, *Generations at Risk: Reproductive Health and the Environment*, by Ted Schettler, Gina Solomon, Maria Valenti, and Annette Huddle, and *Hormonal Chaos: The Scientific and Social Origins of the Environmental Endocrine Hypothesis*, by Sheldon Krimsky. *Literary Review of Canada* 9.4: 18-21 [May 2001]
- A22. Robert JS. Schizophrenia Epigenesis? *Theoretical Medicine and Bioethics* 21.2: 191-215 [2000]
- A23. Robert JS. Fastidious, Foundational Heresies. Critical notice of *Foundations of Biophilosophy* by Martin Mahner and Mario Bunge. *Biology & Philosophy* 15.1: 133-145 [2000]
- A24. Robert JS. Synthetic Biology. Critical notice of *Lifelines: Biology Beyond Determinism* by Steven Rose. *Studies in History and Philosophy of Biological and Biomedical Sciences* 31.4: 599-614 [2000]
- A25. Robert JS. Wild Ontology: Elaborating Environmental Pragmatism. *Ethics and the Environment* 5.2: 191-209 [2000]
- A26. Robert JS. Moral Truthfulness in Genetic Counseling. *Business and Professional Ethics Journal* 17.1-2: 73-93 [1998]
- A27. Robert JS. Illich, Education, and the Human Genome Project: Reflections on Paradoxical Counterproductivity. *Bulletin of Science, Technology, and Society* 18.4: 228-239 [1998] (translated into Dutch and published in *Oikos* 12: 21-43 [2000])

Peer-reviewed Book Chapters

- BC1. Robert JS. Behavioural Genetics. Forthcoming in *Bioethics for Clinicians*, ed. P.A. Singer (Cambridge University Press) [2007]
- BC2. Robert JS. Evo-devo. Forthcoming in *The Oxford Handbook of Philosophy of Biology*, ed. M. Ruse (Oxford University Press) [2007]
- BC3. Robert JS. Molecular and Systems Biology and Bioethics. Forthcoming in *The Cambridge Companion to Philosophy of Biology*, eds. M. Ruse and D.L. Hull (Cambridge University Press) [2007]
- BC4. Smith A, Robert JS. Is the Cup Half-Full, or Half-Empty? Some Conceptual and Normative Dimensions of Toxicogenomics. Forthcoming in *Genomics and*

- Environmental Regulation: Ethical, Legal, and Policy Issues* (Johns Hopkins University Press), eds. G Marchant, R Sharp, J Grodsky [2007]
- BC5. Baylis F, Robert JS. Radical Rupture: Exploring Biological Sequelae of Volitional Inheritable Genetic Modification. In *The Ethics of Inheritable Genetic Modification: A Dividing Line?* eds. R Ankeny, J Rasko, and G. O’Sullivan (Cambridge University Press), pp. 131-148 [2006]
- BC6. Robert JS. Developmental Systems Theory. In *Key Concepts and Approaches in Evolutionary Developmental Biology*, eds. BK Hall and WM Olson (Harvard University Press), pp. 94-97 [2003]

Peer-reviewed Encyclopaedia Entries

- E1. Robert JS, Baylis F. Genetic Engineering: Public Health and Ethics. Forthcoming in *Encyclopedia of Public Health*, ed. K Heggenhougen (Elsevier) [2007]
- E2. Baylis F, Robert JS. Gene Therapy. *Encyclopedia of Science, Technology, and Ethics*, ed.-in-chief C Mitcham (MacMillan Reference USA), pp. 829-831 [2005]
- E3. Robert JS. Genetics and Behavior. *Encyclopedia of Science, Technology, and Ethics*, ed.-in-chief C Mitcham (MacMillan Reference USA), pp. 849-854 [2005]

Commentaries, Editorials, Invited Articles

- C1. Robert JS. Systems Bioethics. Forthcoming in *The American Journal of Bioethics* 7 [2007]
- C2. Martin RA, Robert JS. Is Risky Pediatric Research Without Prospect of Direct Benefit Ever Justified? Forthcoming in *The American Journal of Bioethics* 7.3 [2007]
- C3. Robert JS. The Human Dimension of Bioscience – Commentary on Fred Bookstein, “My Unexpected Journey in Applied Biomathematics”. *Biological Theory* 1.2: 179-180 [2006]
- C4. Robert JS. Public Health and the Human Genome: What’s the connection? *POPNews* (Canadian Institutes of Health Research, Institute of Population and Public Health Newsletter), 9: 3-4 [2006]
- C5. Robert JS, Baylis F. Stem Cell Politics: The NAS Prohibitions Pack More Bark Than Bite. *Hastings Center Report* 35.6: 15-16 [2005]
- C6. Robert JS. Human Dispossession and Human Enhancement. *The American Journal of Bioethics* 5.3: 27-29 [2005]
- C7. Robert JS, Baylis F. When It Comes To Funding Research, Value Should Count. *The Globe & Mail*, 4 July: A13 [2005]
- C8. Sarkar S, Robert JS. Editors’ Introduction [to a special issue on evolution and development]. *Biology & Philosophy* 18.2: 209-217 [2003]
- C9. Robert JS. Regulating the Creation of Novel Beings. *Health Law Review* 11.1: 14-19 [2002]
- C10. Robert JS. The Complexity of Bioethics, the Bioethics of Complexity. *Health Ethics Today* 11.2: 2-5 [2000]
- C11. Boetzkies EA, Robert JS. Editors’ Introduction: Toward an Inclusive Health Ethics for Humans and Ecosystems. *Ethics and the Environment* 5.2: 143-151 [2000]

Book Reviews

- BR1. Robert JS. Review of *Philosophy of Experimental Biology* by M. Weber. *Perspectives in Biology and Medicine* 50.1: 158-160 [2007]
- BR2. Robert JS. Enhancing Bioethics, Enhancing Bioscience. Review of *Bioethics and the New Embryology: Springboards for Debate*, by S.F. Gilbert, A.L. Tyler, and E.J. Zackin. *BioEssays* 28.10: 1062-1063 [2006]
- BR3. Robert JS. Review of *Environment, Development, and Evolution: Toward a Synthesis*, eds. B.K. Hall, R.D. Pearson, and G.B. Müller. *American Journal of Human Biology* 18.2: 230-231 [2006]
- BR4. Robert JS. Inheritance Systems in Evolution: The Darwinian Dimension. Review of *Evolution in Four Dimensions: Genetic, Epigenetic, Behavioral, and Symbolic Variation in the History of Life* by E. Jablonka and M.J. Lamb. *TREE* 20.12: 657-658 [2005]
- BR5. Robert JS. Rooting for Evo-Devo: A Review of *The Changing Role of the Embryo in Evolutionary Thought: Roots of Evo-Devo* by R. Amundson. *Evolution & Development* 7.6: 647-648 [2005]
- BR6. Robert JS. Review of *Science and Selection: Essays on Biological Evolution and the Philosophy of Science* by D.L. Hull. *Journal of the History of Biology* 35.2: 414-415 [2002]
- BR7. Robert JS. The Metaphorical Unfolding of Biology. Review of *Refiguring Life: Metaphors of Twentieth-Century Biology* by E.F. Keller. *Research in Philosophy and Technology* 18: 327-329 [1999]
- BR8. Robert JS. Review of *Birth to Death: Science and Bioethics* edited by D.C. Thomasma and T. Kushner. *Dialogue: Canadian Philosophical Review* 37.4: 810-812 [1998] (peer-reviewed)

Articles Currently Under Peer Review

Giacomini M, Baylis F, Robert JS. Banking on It: Public Policy and the Ethics of Stem Cell Research and Development. Revised and submitted to *Social Science & Medicine* [December 2006]

Articles Currently in Progress

- Olson WM, Robert JS. Explanatory Asymmetry in Evo-Devo? In preparation for submission to *Journal of Experimental Zoology (Molecular and Developmental Evolution)*
- Plantikow T, Robert JS. Intentional Misdiagnosis and Psychiatric Nosology. In preparation for resubmission to *Philosophy, Psychiatry, and Psychology*
- Robert JS. Developmental Evolutionary Psychobiology. In preparation for *Biology & Philosophy* (due February 2007)
- Robert JS. Evolution and Development. In preparation for the *Stanford Encyclopedia of Philosophy* (due July 2007).
- Robert JS. Taking Old Ideas Seriously: Evolution, Development, and Behavior. In preparation for *New Ideas in Psychology* (due January 2007)

PRESENTATIONS

Peer-reviewed Conference Presentations (International/national)

- P1. Robert JS. Brain Repair and Neural Enhancement. 3 November 2006, Society for Social Studies of Science, Vancouver
- P2. Robert JS. Genetics, Neuroscience, and Nosology. 27 May 2005, American Psychological Society, Los Angeles
- P3. Robert JS. Developmental Evolutionary Psychobiology. 26 June 2004, International Society for Developmental Psychobiology, Aix-en-Provence, France
- P4. Robert JS. Stem Cells, Model Systems, and Scientific Inference. 5 March 2004, Southwest Colloquium on History & Philosophy of Life Sciences, University of Texas-Austin
- P5. Robert JS. The Nature and Culture of Stem Cells. 20 September 2003, Stem Cell Network Annual General Meeting, Vancouver
- P6. Robert JS. Environmental Genomics: Science, Ethics, and the Health of Populations. 8 February 2003, Genome Canada's *GE³LS Winter Symposium*, Montréal
- P7. Robert JS. Constant Factors and Hedgeless Hedges: On Heuristics and Biases in Developmental Biology. 8 November 2002, *Philosophy of Science Association*, Milwaukee
- P8. Robert JS. Revisiting Kant and Blumenbach on the *Bildungstrieb*. 21 June 2002, *Fourth Biennial Congress of the International Working Group in History of Philosophy of Science*, Montreal
- P9. Robert JS. How Evolutionary is Evolutionary Developmental Biology? 16 June 2002, *First Annual Conference on Recent Work in Biology and Philosophy*, Center for Philosophy of Biology, Duke University
- P10. Robert JS. Evolutionary Developmental Biology: Evolutionary Theory in the Context of Development. 28 December 2001, *American Philosophical Association*, Eastern Division, Atlanta
- P11. Robert JS, Baylis F. Genetic Enhancement Technologies: Imminent, Inevitable, or Inescapable? Presented by JS Robert. 4 November 2001, *Society for Social Studies of Science*, Cambridge MA
- P12. Robert JS. Whither the Body in Biology and Bioethics? 21 October 2000, *Canadian Bioethics Society*, Québec City
- P13. Robert JS. The Complexity of Bioethics, the Bioethics of Complexity. 26 May 2000, *Canadian Society for the Study of Practical Ethics*, Edmonton (awarded the Peter Miller Student Essay Prize)
- P14. Robert JS. The Homeobox Genes in Development and Evolution: Skeptical Considerations. 25 May 2000, *Canadian Philosophical Association*, Edmonton (awarded the *Dialogue* Student Essay Prize)
- P15. Robert JS. The Homeobox Genes in Development and Evolution: Skeptical Considerations. 23 April 2000, *American Philosophical Association*, Central Division, Chicago
- P16. Robert JS. Bioethics Beyond Georgetown. 29 October 1999, *Canadian Bioethics Society*, Edmonton (awarded Student Abstract Prize)
- P17. Robert JS. Robustness and Psychiatric Nosology: The Case of Schizophrenia. 4 June 1999, *Canadian Philosophical Association*, Sherbrooke

- P18. Robert JS. Wild Ontology: Radical Empiricism and Environmental Pragmatism. 3 October 1998, workshop on *The Ethics of Human Health and Ecosystem Health: Toward an Inclusive Understanding*, McMaster University (awarded Student Essay Prize)
- P19. Robert JS. Responsibility and the Professions: On the Moral Truthfulness of Genetic Counselors. 31 May 1998, *Canadian Society for the Study of Practical Ethics*, Ottawa (awarded the Peter Miller Student Essay Prize)
- P20. Robert JS. Unpacking Hacking's 'An Indeterminacy in the Past'. 1 November 1997, *Ontario Philosophical Society*, Toronto
- P21. Robert JS. Deviant Life: Toward a Political Philosophy of Biology. 25 October 1997, *Society for Social Studies of Science*, Tucson AZ
- P22. Robert JS. The Nature of Norms. 2 June 1997, *Canadian Philosophical Association*, St. John's
- P23. Robert JS. Tradition-bound: Hermeneutics and Radical Critique(?). 5 June 1995, *Canadian Society for Hermeneutics*, Montreal

Invited presentations, International (I was based in Canada until 2004)

- P24. Robert JS. Braving the World of Neurotechnology. To be presented 9 February 2007, Health Law Institute Seminar Series, Dalhousie University
- P25. Robert JS. Putting Ethics Into Applied Public Health Research, Training, Interventions and Policies. 24 October 2006, Symposium on Research and Training in Public Health, Institut national de santé publique du Québec (part of the 10th *Journées annuelles de santé publique*), Montréal
- P26. Robert JS. Converging Technologies for CNS Repair. 15 September 2006, Dalhousie University
- P27. Robert JS. See-Through Genetics. 29 April 2006, Genetic Diversity and Science Communication Workshop, Canadian Institutes of Health Research – Institute of Genetics, Toronto
- P28. Robert JS. Systems Bioethics [Plenary Address]. 28 September 2005, *Genomics in Context*, EGENIS, University of Exeter, UK
- P29. Miller FA, Robert JS. Emerging Science in Genetic Testing: Toward a Better Bioethics. 14 July 2005, International Society for the History, Philosophy, and Social Studies of Biology, University of Guelph
- P30. Robert JS. Organizing Science for Global Public Health: Ethical Considerations. 30 May 2005, Direction du Santé Publique (Montreal)
- P31. Robert JS. Biosolids and Bioethics. 25 May 2005, Nova Scotia Agricultural College Seminar Series
- P32. Robert JS. Would evo-devo by any other name smell as sweet? 31 July 2003, Brown Bag Seminar Series, Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg, Austria
- P33. Robert JS. 'Triggering' is the Wrong Metaphor. 17 July 2003, *International Society for History, Philosophy, and Social Studies of Biology*, University of Vienna
- P34. Robert JS. Creatures Great and Weird: Octo-parrots, Glowing Monkeys, and Superhumans. Applied Ethics Day Keynote Lecture and Nath Honours Lecture, 12 November 2002, West Virginia University

- P35. Robert JS. From Diagnosis to Design: Ethical Aspects of Reproductive Technologies. 12 November 2002, Departments of Biology and Philosophy, West Virginia University
- P36. Baylis F, Robert JS. Identity and the Human Genome Project: The Species Problem. 30 October-3 November, Sixth World Congress of Bioethics, Brasilia (presented by F Baylis)
- P37. Robert JS. Homeosis and Hopeless Monsters. 19 October 2002, *Dibner Institute Fall Workshop: From Embryology to Evo-Devo*, Cambridge MA
- P38. Robert JS. Polly Shouldn't Be? The Ethics of Creating Novel Beings. 26 September 2002, Departments of Philosophy and Biology, Connecticut College
- P39. Robert JS. Convergent and Divergent Data: Ethical Quandaries in Genetic Counseling. 18 April 2002, Bioethics Grand Rounds, Center for Bioethics and Health Law, University of Pittsburgh
- P40. Robert JS. Psychiatric Disease Classification in the Genomic Age. 22 March 2002, Department of Philosophy, Florida State University
- P41. Robert JS. Robustness and Psychiatric Nosology. 16 November 2001, Department of Philosophy, University of Texas at Austin.
- P42. Robert JS. Evolution and Epigenetics. 15 November 2001, History and Philosophy of Science Program, University of Texas at Austin
- P43. Baylis FB, Robert JS. Stability, Rupture, and the Human Genome. 26 October 2001, *American Society for Bioethics and Humanities*, Nashville
- P44. Robert JS. Evolutionary Developmental Biology. 23 July 2001, *Second Annual Meeting on Philosophy and Developmental Biology*, Yale University
- P45. Robert JS, Hall BK, Olson WM. DST Proposes, EDB Disposes? Integrating Approaches to Development and Evolution. 20 July 2001, *International Society for History, Philosophy, and Social Studies of Biology*, Quinnipiac University
- P46. Robert JS. Illich, Education, and the Human Genome Project: Reflections on Paradoxical Counterproductivity. 18 September 1997, *Education and Technology: Asking the Right Questions*, Pennsylvania State University
- P47. Robert JS. Metabioethics, Persons, and the Human Genome Project. 24 November 1996, *International Association of Bioethics*, San Francisco

Invited presentations, National (I was based in Canada until 2004)

- P48. Robert JS. Nanotechnology, Neurotechnology, and Society. 12 October 2006, International Institute of Nanotechnology, Northwestern University
- P49. Robert JS. Controversial science, controversial scientists? 9 August 2006, Nano and Bio in Society (NABIS) Conference, Chicago
- P50. Robert JS. Cloning, Chimeras, and the Stem Cell Circus. 2 May 2006, Dr Max Pickerill Public Lecture Series, Colby Community College, Colby KS
- P51. Robert JS. Gene Maps, Brain Scans, and Psychiatric Classification. 12 April 2006, Holtz Center, University of Wisconsin - Madison
- P52. Robert JS. Nanotechnology and Society: Ethical and Political Dimensions. 29 March 2006, NABIS – Nanotechnology in Society's Context, Chicago
- P53. Robert JS. Systems Biology and Systems Bioethics [Plenary Address]. 25 October 2005, National Conference on the Ethics of Biomedical Research and Practice, Grand Forks ND

- P54. Robert JS. Systems Bioethics. 14 October 2005, *Heather and Scott Kleiner Lecture Series*, Department of Philosophy, University of Georgia
- P55. Robert JS. Stem Cells: Clinical Hopes, Social Fears, Moral Choices. 13 April 2005, Western States Osteopathic Convention, Las Vegas
- P56. Robert JS. Animal Models for Human Disease: Conceptual and Ethical Issues. 8 April 2005, National Institute of Environmental Health Sciences, Research Triangle Park NC
- P57. Robert JS. Developmental Evolutionary Psychobiology. 24 September 2004, ISHPSSB Future Directions Workshop (FDISH), University of San Francisco
- P58. Robert JS. Stem Cells: From Bench to Clinic via *The Island of Dr. Moreau*. 23 September 2004, ISHPSSB Future Directions Workshop (FDISH), University of San Francisco
- P59. Robert JS. Development: Never the Bride? 4 March 2004, Department of Philosophy, Texas A&M University
- P60. Robert JS, Gass G. Development: Always the Bridesmaid? 6 January 2004, *Society for Integrative and Comparative Biology*, New Orleans (presented by JS Robert)
- P61. Robert JS, Baylis F. Crossing Species Boundaries. 28 June 2003, *Transvision 2003 USA*, World Transhumanist Association, Yale University (presented by JS Robert)
- P62. Robert JS. Making Good on Oft-heard Promises. 14 May 2003, *The Translation of Genomic Science into Social Well-Being and Human Health*, Friends of the Canadian Institutes of Health Research (FCIHR) Symposium/Public Forum, Canadian Museum of Nature, Ottawa
- P63. Robert JS. Neuroscience, Genetics, and Nosology. 4 May 2003, Symposium on Philosophical and Methodological Foundations of Psychiatric Diagnosis, Mount Sinai School of Medicine, New York
- P64. Robert JS. Polly Shouldn't Be? 1 March 2003, Keynote address, *First Canadian National Undergraduate Bioethics Conference*, Antigonish NS
- P65. Robert JS. Homeosis and Hopeless Monsters. 5 January 2003, *Society for Integrative and Comparative Biology*, Toronto
- P66. Robert JS. Regulating the Creation of Novel Beings. 21 September 2002, Health Law Institute, University of Alberta
- P67. Robert JS. Constant Factors and Hedgeless Hedges: On Heuristics and Biases in Biological Research. 7 December 2001, Department of Philosophy, University of Calgary
- P68. Robert JS. Public Health and Population Health: What Can the Philosophy of Biology and Bioethics Contribute? 5 December 2001, Centre for Applied Ethics, University of British Columbia
- P69. Robert JS. Population Health and the Human Genome. 29 November 2001, Centre for Health Services and Policy Research, University of British Columbia
- P70. Robert JS. Methodological Consilience in Bioethics Research. 13 October 2001 to the *Canadian Bioethics Society*, Winnipeg
- P71. Vinci T, Robert JS. Aristotle and Modern Genetics. 26 May 2001, *Canadian Society for the History and Philosophy of Science*, Québec City
- P72. Robert JS. Ecoevodevophylontogeny: Synthesis for Its Own Sake? 16 March 2001, Department of Philosophy, McGill University
- P73. Robert JS. Interactions Within and Between Evolution and Development. 29 January 2001, Department of Philosophy, University of Western Ontario

- P74. Robert JS. Redeeming Russell (E.S. Russell, That Is). 25 May 2000, *Canadian Society for the History and Philosophy of Science*, Edmonton
- P75. Robert JS. Genuinely Synthetic Biology: On Development and the Modern Synthesis. 11 April 2000, *Biology, Philosophy, and Evolution Discussion Group (BiPED)*, Department of Philosophy, University of Western Ontario
- P76. Robert JS. Between Medical Hegemony and Genetic Reductionism: On the Complexity of Health. 29 May 1998, *Canadian Society for the History and Philosophy of Science*, Ottawa
- P77. Robert JS. Cellular Cells and Secular Souls: Notes on the Genetic Revolution. 19 April 1997, *Strategies of Critique XI*, York University (Toronto)
- P78. Robert JS. Disowning the Legacy of Malthus. 28 September 1996, *Legacies*, Nineteenth-Century Studies Group, University of Toronto

Invited presentations, Local (academic/clinical)

- P79. Robert JS. The Societal and Ethical Dimensions of Nanotechnology. 6 May 2006, Inaugural Emeritus College Symposium, Arizona State University
- P80. Robert JS. Brain Repair: Ethical, Clinical, and Social Issues. 19 April 2006, Barrow Neurological Institute, Phoenix
- P81. Robert JS. Gene Maps, Brain Scans, and Psychiatric Classification. 31 March 2006, Department of Philosophy, Arizona State University
- P82. Robert JS. Toxins, Genomics, and Ethics. 13 January 2005, College of Law, Arizona State University
- P83. Robert JS. Ethical and Conceptual Issues in Stem Cell Biology. 23 January 2004, Department of Biology, St. Mary's University, Halifax
- P84. Robert JS. Model Systems in Stem Cell Biology. 6 November 2003, Model Systems in Stem Cell Biology Workshop, Dalhousie University
- P85. Campbell R, Robert JS. The Structure of Evolution by Natural Selection. 28 February 2003, Department of Philosophy, Dalhousie University
- P86. Robert JS. Healthy Genomes, Healthy Folks? Public lecture, 22 November 2002, University College of Cape Breton
- P87. Campbell R, Robert JS. Confirming the Structure of Evolutionary Theory. 19 October 2002 (presented by R. Campbell), *Atlantic Region Philosophers Association*, University of Prince Edward Island
- P88. Robert JS. Robustness and Psychiatric Classification. 4 October 2002, Department of Philosophy, Dalhousie University
- P89. Robert JS. Evolutionary Theory in Developmental Context. 29 September 2001, *Atlantic Region Philosophers Association*, Mount Allison University
- P90. Robert JS. Universal Genetic Variability: Considerations of Justice. 7 September 2001, Department of Philosophy, Dalhousie University
- P91. Vinci T, Robert JS. Aristotle and Modern Genetics. 4 May 2001, Department of Philosophy, Dalhousie University
- P92. Robert JS. The Developmentalist Challenge to Genetics and Evolution. 12 January 2001, *Friday Informal Seminar Hour (FISH) Series*, Department of Biology, Dalhousie University

- P93. Robert JS. Disputes Over the Nature of Genuinely Synthetic Biology. 29 September 2000, Department of Philosophy, Dalhousie University
- P94. Robert JS. Demands for Inappropriate Treatment. Education Session. 22 February 1999, *Clinical Ethics Committee and Work Groups*, Hamilton Health Sciences Corporation
- P95. Boetzkes EA, Robert JS. Inclusive Health Ethics for Humans *and* Ecosystems: Reflections on the McMaster Workshop. 4 February 1999, *McMaster Institute of Environment and Health Seminar Series* (summary published in the *Women's Health Office Newsletter* [Faculty of Health Sciences, McMaster University], February 1999, pp. 5-7)
- P96. Robert JS. Thinking Differently About Philosophy. 30 January 1997, *Graduate Student Research Symposium*, McMaster University

Invited presentations, Local (community)

- P97. Robert JS. Forbidden Science – Boundaries on New Emerging Science and Technology. 22 October 2006, Jewish Women's Symposium, Tempe AZ
- P98. Robert JS. Forbidden Science? 18 January 2006, Spirit of the Senses Salon, Phoenix AZ
- P99. Robert JS. Stem Cells: Clinical and Ethical Issues. 17 November 2005, Stem Cells and the Right to Do Research – Public Forum (Arizona Consortium for Medicine, Society, and Values), Phoenix
- P100. Robert JS. Controversial Science: The Case of Part-human Chimeras. 25 July 2005, Barrow Neurological Institute [Spirit of the Senses Medical Salon], Phoenix AZ
- P101. Maienschein J, Robert JS. Stem Cells and Cloning: What's All the Fuss? 4 March 2005, Engineers Club of the Sun Cities AZ

Oral commentaries

- OC1. On Fred L. Bookstein's "An Unexpected Journey in Applied Biomathematics: Morphometrics, the Singular-value Decomposition, and Death Row," 14 July 2005, International Society for the History, Philosophy, and Social Studies of Biology, University of Guelph
- OC2. On Laura Purdy's "Preimplantation Genetic Diagnosis: Empowerment or Danger?" 12 March 1999, Philosophy, McMaster
- OC3. On Lisa Gannett's "Mapping the Genome: From the Pathological to the Normal," 28 May 1998, *Canadian Philosophical Association*, Ottawa
- OC4. On Stephen Haller's "Language, Codes, and DNA," 25 November 1995, *Philosophical Investigations Into the Human Genome Project*, University of Guelph
- OC5. On Deborah Brown's "We Have Met the Swamp People and They Are Us," 24 October 1995, Philosophy, McMaster

RESEARCH EXPERIENCE

Visiting fellow, **Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg, Austria** (July 2003) - Awarded fellowship to conduct research in residence at the Konrad Lorenz Institute

Dibner Institute Summer Seminar, Marine Biological Laboratory, Woods Hole MA (May 2003) - Participated in a week-long history of biology workshop on “Putting Humans into Ecology” at the MBL

Dibner Institute Summer Seminar, Marine Biological Laboratory, Woods Hole MA (May 2002) - Participated in a week-long history of biology workshop on “The Business of Life” at the MBL

Dibner Institute Summer Seminar, Marine Biological Laboratory, Woods Hole MA (May-June 2001) - Participated in a week-long history of biology workshop on the topic “From Embryology to Evo-Devo” at the MBL

Department of Bioethics, Dalhousie University (2000-2001 – Dr Françoise Baylis) - Research Assistantship, focussing on genetic enhancement technologies

McMaster Institute of Environment and Health (1997-1998 – Dr John Eyles) - Research Assistantship: I completed a literature survey on the interface area of ecosystem health and human health ethics. I authored two position papers, drafted a workshop proposal, helped to organise the workshop, and co-edited the proceedings for publication in *Ethics and the Environment* (5.2, 2000).

GRANTS

Operating grants

Guston D (PI), Poste G, Sarewitz D, Carlson M, Miller C (my role: senior personnel, theme leader), “NSEC: Center for Nanotechnology in Society at Arizona State University,” *National Science Foundation* (\$1,400,000/year; 2005-10)

Miller F, Giacomini M, Robert JS (my role: co-PI), “Re-Defining Disease: Mapping the Contours of Genomic Medicine,” *Canadian Institutes of Health Research - Institute of Genetics* (\$75,000; 2004-05; no funds flowed to me as I am in the USA)

Robert JS (PI), “Conceptual and Bioethical Issues at the Intersection of Genomics, Developmental Biology, Ecology, and Health – III,” *Canadian Institutes of Health Research Operating Grant* (\$149,034; 2003-06; terminated in 2004-05 due to move to USA)

Baylis F, Robert JS (my role: co-PI), “Our Cells/Ourselves: The Ethics of Human Embryonic Stem Cell Research,” *Stem Cell Network* (\$161,240; 2003-05)

Robert JS, Baylis F (my role: co-PI), “The Model Systems Strategic Research Network,” *Stem Cell Network* (\$251,232; 2003-05)

Robert JS (PI), “Conceptual and Bioethical Issues at the Intersection of Genomics, Developmental Biology, Ecology, and Health – II,” *Canadian Institutes of Health Research/Institute of Genetics Operating Grant* (\$22000; 2002-03)

Robert JS (PI), “Conceptual and Bioethical Issues at the Intersection of Genomics, Developmental Biology, Ecology, and Health,” *Canadian Institutes of Health Research Operating Grant* (\$31,000; 2001-02)

Robert JS (PI), “Population Health and the Human Genome: Conceptual and Bioethical Issues,” *Associated Medical Services Bioethics Grant-in-Aid* (\$11,630; 2001-02)

Robert JS (PI), “Taking Development Seriously: Embryology, Epigenesis, and Evolution,” *Dalhousie University Research Development Fund Grant* (\$2,000; 2000-01)

Robert JS (PI), “Integrating Developmental, Evolutionary, and Molecular Biology: On the Significance of the Homeobox Genes,” *Social Sciences and Humanities Research Council of Canada Postdoctoral Research Allowance* (\$4,400; 2000-01)

Training grant

McDonald MF (PI; my role: co-investigator), “Ethics of Health Research and Policy Training Program,” *Canadian Institutes of Health Research* (First year: \$299,791; 2002-07; my role was interrupted as of August 2004 due to move to USA)

Salary grant

Robert JS (PI), *Canadian Institutes of Health Research New Investigator Award* (\$275,000; 2001-06; interrupted as of August 2004)

Other grants

Robert JS, Helms Tillery S (PIs), “Bioethics and Bioengineering Interdisciplinary Research Cluster,” Institute for Humanities Research, Arizona State University (\$1,000; 2006-07)

Robert JS (PI), “Systems Bioethics – Seed Grant,” Institute for Humanities Research, Arizona State University (\$6,274; 2005)

Robert JS, Sunderland M (my role: co-PI), “Neuroethics – Development Grant,” Initiatives Program, School of Life Sciences, Arizona State University (\$2,200; 2004-05)

Baylis F, Robert JS (my role: co-PI), “Development grant: Braving the Brain - Neuroethics NET,” *Nova Scotia Health Research Foundation* (\$6,010; 2003-04)

Robert JS (PI), “Genes and Human Behavior: Conceptual and Ethical Issues,” Workshop grant, *Canadian Institutes of Health Research* (\$5,000; 2003)

Robert JS (PI), “Genes and Human Behavior: Conceptual and Ethical Issues,” Capacity Building Grant (for workshop), *Nova Scotia Health Research Foundation* (\$5,000; 2002)

ACADEMIC AWARDS AND HONOURS

Arizona State University

Designated Affiliate Faculty Member of the Consortium for Science, Policy, and Outcomes, Arizona State University, 2005

Nominated for the Centennial Professorship of the Associated Students of Arizona State University, 2005

Nominated for the Dean’s Distinguished Teaching Award, College of Liberal Arts and Sciences, 2005

Dalhousie University

Social Science and Humanities Research Council of Canada Postdoctoral Fellowship, 2000-2001
Honourary Killam Postdoctoral Fellowship, 2000-2001

McMaster University

Social Science and Humanities Research Council of Canada Doctoral Fellowship, 1997-2000
(\$16,620/annum)

Canada-United States Fulbright Scholarship, 1998, held at The University of Chicago in 1999
(US\$15,000)

Ontario Graduate Scholarship, 1996-1997 (declined 1997-1998) (\$11,859)

Ashbaugh Fellowship and McMaster Graduate Scholarship, 1994-1995 (\$7,200)

Queen's University

Medal in Philosophy, 1994

Dean's Honour List, Faculty of Arts & Science, 1994, 1993

Arts & Science Undergraduate Society Scholarship in the Humanities, 1993-1994 (\$1,000)

Senator Frank Carrell Upper-year Scholarship, 1993, 1992 (\$1,000 each)

Essay Prizes

Dialogue Student Essay Prize, *Canadian Philosophical Association*, 2000 (\$500)

Peter Miller Student Essay Prize, *Canadian Society for the Study of Practical Ethics*, 2000
(\$200)

Student Abstract Prize, *Canadian Bioethics Society*, 1999 (\$500)

Student Essay Prize, *McMaster Institute of Environment and Health*, Workshop on "The Ethics
of Human Health and Ecosystem Health", 1998 (\$250)

Peter Miller Student Essay Prize, *Canadian Society for the Study of Practical Ethics*, 1998
(\$200)

TEACHING EXPERIENCE

Arizona State University (School of Life Sciences)

- Bioethics and the Brain, BIO 591/HPS 591 - Spring 2007: A graduate seminar on normative aspects of neuroscience and society, with a special focus on technologies for brain repair (estimated 12 students)
- Qualitative Research Methods for Biology and Society, BIO 494/591 - Spring 2007: An intensive, interactive seminar to develop research protocols for students conducting qualitative research (estimated 6 students)
- Bioethics in Film, BIO 394/PHI 394 - Fall 2007: A one-credit film and discussion series (estimated 20 students; co-taught with Andrew Hamilton)
- Bioethics, Policy, and Law Journal Club, BIO 591 - Fall 2006 (6 students)
- Bioethics in Film, BIO 394/PHI 394 - Fall 2006: A one-credit film and discussion series (estimated 20 students)
- Bioethics, Policy, and Law Journal Club, BIO 591 - Fall 2006 (6 students)
- Developmental Anatomy, BIO 351 - Fall 2006: Responsible for five lectures on developmental biology, bioethics, and society (65 students)
- Public Health Ethics, Law, and Policy, HPS 394 - Fall 2006: A seminar synthesizing historical, conceptual, legal, ethical, and policy aspects of public health and medicine. This course also comprises the integrated seminar for the Medicine, Science, and Public Policy Learning Community, of which I was the Faculty Leader (17 students)
- Bioethics, BIO 394/PHI 320 - Spring 2006: A survey of issues in bioethics from clinical medicine through environmental health (85 students)
- Bioethics in Film, BIO 394/PHI 394 - Spring 2006: As above (24 students)
- Health Ethics, Law, and Policy, POS 394 - Fall 2005: A seminar synthesizing legal, ethical, and policy aspects of bioscience and medicine, over time. This course also comprises the integrated seminar for the Medicine, Science, and Public Policy Learning Community, of which I am the Faculty Leader (10 students; co-taught with Prof. Gary Marchant)
- Bioethics in Film, BIO 494/HON 494/BIO 591 - Fall 2005: A one-credit film and discussion series (25 students)
- Bioethics, BIO 394/PHI 320 - Spring 2005: As above (75 students)
- Genes, Stem Cells, and Justice, BIO 591/LAW 791/PHI 591 - Spring 2005: A graduate seminar exploring theories of justice in relation to research in genetics and stem cell biology (9 students; co-taught with Prof. Joan McGregor)
- Ethical Issues in the Biosciences and Biomedical Research, BIO 494/591 - Fall 2004: An advanced undergraduate/graduate seminar in research ethics in the biological and biomedical sciences (10 students; co-taught with Prof. Joan McGregor)
- Biology and Society, BIO 311 - Fall 2004: Responsible for five lectures on biomedicine and society (100 students)

Dalhousie University (Philosophy)

- Philosophy of Biology, PHIL 3420/5420 and BIOL 3580 - Winter 2004: An advanced survey of philosophical themes in evolutionary biology, genetics, and developmental biology (40 students)
- Ethics and Health Care: Patient Care, PHIL 2805 - Fall 2003: An introductory exploration of ethical theory in the health care context (76 students)

Philosophy of Science, PHIL 3670/5670 – Winter 2003: An advanced exploration of core themes in twentieth-century philosophy of science (14 students)

Understanding Scientific Reasoning, PHIL 2660 X/Y, Dalhousie Integrated Science Program – Fall 2002-Winter 2003: An introductory survey of historical and contemporary issues in the history and philosophy of science, with an emphasis on refining science students' critical thinking and writing skills (36 students)

Philosophy of Science, PHIL 3670/5670 – Winter 2002: As above (7 students)

Humanities and Science, SCIE 1500 X/Y, Dalhousie Integrated Science Program – Fall 2001-Winter 2002: As described under PHIL 2660, above (70 students)

Part-time Instructorship at Saint Mary's University (Philosophy):

Ethics for Modern Life, PHIL 222 – Fall 2000: I taught the section on forms of discrimination in a one-month period in relief of an ill professor (50 students)

Sessional Lectureships at McMaster University (Philosophy):

Advanced Bioethics, PHIL 3C3 – Winter 2000: Investigating the goals of medicine and the appropriate scope of bioethics in the context of ecological concerns and resource scarcity (18 students)

Moral Issues (Bioethics), PHIL 2D3 – Winter 2000: A survey of bioethics, comprising an introduction to ethical theory and analysis of topics including the therapeutic relationship, the definition of health, reproduction, genetics, dying and death, and research ethics (180 students)

Moral Issues (Bioethics), PHIL 2D3 - Spring 1998: As above (50 students)

Moral Issues (Bioethics), PHIL 2D3 - Winter 1998: As above (200 students)

Advanced Bioethics, PHIL 3C3 – Fall 1997: Bioethics from a meta-ethical perspective, beginning with a brief history of challenges to bioethics, and developing a critical approach to the discipline through consideration of substantive issues in genetics, human reproduction, aging, and environmental health (25 students)

Course Assistantship at The University of Chicago (Philosophy):

Scientific and Technological Change, PHIL 303 – Fall 1999 – William Wimsatt

Teaching Assistantships at McMaster University (Philosophy):

Moral Issues, PHIL 2D3 – Winter 1999 – Elisabeth Boetzkes (Head TA)

Moral Issues, PHIL 2D3 – Fall 1998 – Elisabeth Boetzkes (Head TA)

Problems in Philosophy, PHIL 1D6 – Fall-Winter 1996-1997 – Sami Najm

Social and Political Philosophy, PHIL 2G3 – Winter 1996 – Sylvia Stolberg

Moral Issues, PHIL 2D3 – Fall 1995 – Elisabeth Boetzkes

Business Ethics, PHIL 2N3 – Winter 1995 – Spiro Panagiotou

Philosophical Psychology, PHIL 2F3 – Fall 1994 – Barry Allen

TEACHING COMPETENCE

Grad

Philosophy of Biology, Bioethics, Philosophy of Medicine, Feminism

Senior Undergrad Philosophy of Science, Pragmatism, Metaphysics, Environmental
Philosophy, Foucault
Undergrad Introduction to Philosophy, Introduction to Ethics, Social and Political
Philosophy

GRADUATE SUPERVISION (AT ASU UNLESS OTHERWISE NOTED)

Director of Biology PhD dissertation

Jennifer Brian, *Public Bioethics* (2006-)

Director of Biology MSc thesis

Shannon DiNapoli, *Nanotechnology and Society* (2006-)

Brenda Flores, *Diabetes, Public Health, and Healthy Public Policy for Latinos* (2006-)

Member of Biology PhD dissertation committee

Brock Heathcotte, *Law, Science, and Technology* (2004-)

Mary Sunderland, *Regenerative Biology* (2004-)

Member of Biology MSc thesis committee

Jennifer Minneci, *Intelligent Design* (2006-)

Member of Interdisciplinary PhD dissertation committee (Dalhousie University)

Terry March, *A Distance Treatment Module for Adolescents with Parents Diagnosed with Cancer (Dalhousie 2003-2004; vacated as part of my move to ASU)*

Member of MNS committee

Alicia Sawyer, *Tuberculosis: Science, Ethics, and Public Health Policy* (2005-2006)

Member of Philosophy MA thesis committee (Dalhousie University)

Jeff Kirby, *Publicly Funded Health Research in Canada: A Just Cause* (2003)

Thane Plantikow, *Surviving Personal Identity Theory: Negotiating the Identity of Persons* (2003)

James Anderson, *Fool's Gold? Revising the Gold Standard in Clinical Research* (2002)

Heather Pessione, *North American Cultural Ambivalence Toward Mental Disability* (2001)

Jennifer L. Woodrow, *Socializing Evolutionary Epistemology* (2001)

UNDERGRADUATE SUPERVISION (AT ASU UNLESS OTHERWISE NOTED)

Supervisor of Honors Thesis

Katherine Brind'Amour, *Developmental Origins of Health and Disease* (2007-)

Margaret Paul, *Children in Hospice* (2006-)

Zachary Pirtle, *Democratizing Science* (2006-)

Arielle Silverman, *Visual Restoration Therapy* (2006-)

Robert Wood, *Accepting Realism* (Dalhousie, 2003)

Mentor for Senior Project

Ramona Chomor, *Regulating Tanning Salons* (2006-)

Kelsey Maloy, *Inventing ADHD* (2006-)

Cory Martinez, *Medicalization* (2007)

Meghan Caudill, *Moral Shortcuts in Stem Cell Biology* (2006)

Member of Honors Thesis Committee

Derrick Anderson (2006), Jodi Baugh (2006), Ashley Beck (2007), David Cohen (2004), Mallory Feng (2007), Jeremy Greenberg (2006), Sarah Lusk (2006), Justin Manganiello (2006-), Jennifer Minneci (2006), Anjali Patel (2006-), Travis Powell (2006-), Jennifer Prosser (2006), Claire Sollars (2007), BJ Savitch (2005)

RESEARCH TRAINEE SUPERVISION

Nidhi Bhalla (ASU, 2006), Meghan Caudill (ASU, 2006), Shannon DiNapoli (ASU 2006), Richard 'Tobie' Milford (2006), Emily Baltes (ASU, 2005), Ramin Sadeghi (ASU, 2005), Arielle Silverman (ASU, 2005), Mary Sunderland (Dalhousie, then ASU, 2004-), Jennifer Dyck Brian (Dalhousie, 2003-2004; Stem Cell Network Trainee; ASU, 2005-), Andrea Smith (Dalhousie, 2003-2005), Rachel Harvey (Dalhousie, 2003-2004; Stem Cell Network Studentship Trainee), Suzanne Kovinsky (Dalhousie, 2002-2003), Angela White (Dalhousie, 2001-2002), Hendricus van Wilgenburg (Dalhousie, 2001-2002)

OTHER TRAINING ACTIVITIES

Faculty member, Summer Institute 2003, Institute of Population and Public Health, Canadian Institutes of Health Research, 4-8 June, Val-David QC

GRADUATE COURSES (AT MCMASTER UNLESS OTHERWISE NOTED)

For credit: Philosophy of Biology Reading Course (Michael Ruse, 1998 – University of Guelph); Pragmatism: William James (Sami Najm, 1998); Philosophy of Science (Ian Hacking, 1997 – University of Toronto); Metaphysics: Realism/Anti-Realism (Nick Griffin, 1997); History and Philosophy of Science (Ian Hacking, 1996 – University of Toronto); Recent Philosophy: Ivan Illich (Barry Allen, 1995); Theory of Value (Evan Simpson, 1995); Existentialism and Phenomenology (Gary Madison, 1994-1995); Applied Ethics: Theory and Practice (Elisabeth Boetzkes, 1994); Symbolic Logic (David Hitchcock, 1994)

Audited: Evolution and Value (Richmond Campbell, 2000 – Dalhousie University); Philosophy of Biology (William Wimsatt, 1999 – University of Chicago); Evolution of Development (Nipam Patel, 1999 – Developmental Biology, University of Chicago); Epistemology (Barry Allen, 1997)

DEPARTMENTAL AND UNIVERSITY SERVICE

- Member, School of Life Sciences Research and Training Initiatives Program Committee, ASU, 2004-2006
- Member, School of Life Sciences Neurosciences Search Committee, ASU, 2005-2006
- Member, Research Ethics Board, IWK Health Centre, Halifax, 2000-2004
- Member, FGS Scholarship Committee, Dalhousie, 2003-2004
- Member, FASS Unit Review Committee, International Development Studies, Dalhousie, 2002-2003
- Member, FASS Advisory Committee for the Selection of the Co-ordinator for Canadian Studies, Dalhousie, 2001-2002
- Member, Education Work Group, Clinical Ethics Committee, Hamilton Health Sciences Corporation, 1998-1999
- Member, Guelph-McMaster Joint Ph.D. Programme Committee (admissions, joint-programme business), 1996-1998
- Chair, Philosophy Department Colloquium Series, McMaster, 1996-1997 (Vice-chair, 1995-1996)

PROFESSIONAL SERVICE

- Junior Program Co-chair, American Society for Bioethics and Humanities, 2006-
- Philosophy Subcommittee Chair, American Society for Bioethics and Humanities Program Committee, 2005-2006
- Editorial Advisory Board Member, *Biological Theory* (MIT Press), 2005-
- Off-year Workshop Committee, International Society for History, Philosophy, and Social Studies of Biology, 2005-2006
- Institute Advisory Board Member and Ethics Designate, Canadian Institutes of Health Research-Institute of Population and Public Health, 2003-
- Member, Canadian Institutes of Health Research-Canadian Lifelong Health Initiative ELSI Advisory Committee, 2003-
- Member, Canadian Institutes of Health Research-Institute of Genetics New Principal Investigators Priority and Planning Committee, 2003-
- Member, Novel Tech Ethics Research Team, Dalhousie University, 2002-
- Member, Canadian Institutes of Health Research-Institute of Genetics Voluntary Health Organizations Working Group, 2003-2004
- Member, International Society for History, Philosophy, and Social Studies of Biology Membership Development Committee, 2002-2003
- Member, Canadian Institutes of Health Research Doctoral Fellowships “B” Peer-review Committee, 2001-2004
- Member, Evolution Study Group, Dalhousie University, 2000-2004
- Co-editor, Special issue (volume 18, number 2, 2003) of *Biology & Philosophy* on “Evolution and Development” (with S. Sarkar), 2001-2003
- Convenor, International Workshop on “Genes and Human Behavior: Conceptual Issues”, Dalhousie, November 2002
- Organizer, Symposium on “Environmental Genomics: Conceptual, Scientific, and Ethical Issues”, *American Society for Bioethics and Humanities*, Baltimore, October 2002

Organizer, Symposium on “Philosophical Perspectives on Ecology and Conservation Biology”,
Canadian Philosophical Association, Toronto, May 2002

Co-editor, Special issue (volume 5, number 2, 2000) of *Ethics and the Environment* (with E.
Boetzkes) 1999-2000

Referee for *BioEssays*, *Bioethics*, *Biology & Philosophy*, Broadview Press, Cambridge
University Press, Canadian Bioethics Society (Student Abstract Competition), Canadian
Philosophical Association, *Cellular and Molecular Life Sciences*, *Community Genetics*,
Developing World Bioethics, *Environmental Health Perspectives*, *Environmental Values*,
Health Law Journal, *International Studies in Philosophy of Science*,
Naturwissenschaften, Penn State University Press, *Perspectives in Biology and Medicine*,
Proteomics, *Studies in History and Philosophy of Biological and Biomedical Sciences*,
University of California Press, University of Chicago Press, Western Canadian
Philosophical Association, Yale University Press

PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science; American Society for Bioethics and
Humanities; Canadian Bioethics Society; Canadian Philosophical Association; History of
Science Society; International Society for History, Philosophy, and Social Studies of Biology;
Philosophy of Science Association; Society for Integrative and Comparative Biology

REFERENCES

Barry Allen, Professor of Philosophy, McMaster University (905.525.9140 x23463;
bgallen@mcmaster.ca)

Richmond Campbell, Professor of Philosophy, Dalhousie University (902.494.3510;
richmond@Dal.Ca)

Brian K. Hall, Professor of Biology, Dalhousie University (902.494.3522; bkh@dal.ca)

Evelyn Fox Keller, Professor of History and Philosophy of Science, Program in Science and
Technology Studies, Massachusetts Institute of Technology (617.253.8722;
efkeller@mit.edu)

Michael Ruse, Professor of Philosophy, Florida State University (850.644.0230;
mruse@mail.fsu.edu)

Sahotra Sarkar, Professor of Philosophy, Director of the History and Philosophy of Science
Program, University of Texas at Austin (512.232.7122; sarkar@mail.utexas.edu)

William Wimsatt, Professor of Philosophy, Conceptual Foundations of Science, and
Evolutionary Biology, The University of Chicago (773.702.8598; w-
wimsatt@uchicago.edu)

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