

JASON SCOTT ROBERT, PhD

Center for Biology & Society and
School of Life Sciences
Arizona State University
PO Box 874701
Tempe AZ 85287-4701 USA
Tel.: 480.727-8857
Fax: 480.965-8330
Jason.Robert@asu.edu

Citizenship: Canadian (United States Permanent Resident)

CURRENT EMPLOYMENT

Arizona State University, July 2008-

Associate Professor (tenured), School of Life Sciences; faculty member in the Center for Biology & Society (2004-) and the Consortium for Science, Policy, and Outcomes (2006-); faculty affiliate in the Department of Philosophy (2007-); Director of the Bioethics, Policy, and Law Program (2008-)

The University of Arizona, College of Medicine – Phoenix in Partnership with Arizona State University, July 2008-

Associate Professor, Department of Basic Medical Sciences (50% appointment)

PREVIOUS EMPLOYMENT

Arizona State University, August 2004-June 2008

Assistant Professor (tenure-track), School of Life Sciences; faculty member in the Center for Biology & Society (2004-) and the Consortium for Science, Policy, and Outcomes (2006-); faculty affiliate in the Department of Philosophy (2007-)

The University of Arizona, College of Medicine – Phoenix in Partnership with Arizona State University, July 2006-June 2008

Assistant Professor, Department of Basic Medical Sciences (40% appointment)

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

PUBLICATIONS

Book

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

Peer-reviewed Articles

- A1. Miller FA, Robert JS, Hayeems RZ. Questioning the Consensus: Managing Carrier Status Results Generated by Newborn Screening. Forthcoming in *American Journal of Public Health* [2008]
- A2. Robert JS. Taking Old Ideas Seriously: Evolution, Development, and Human Behavior. *New Ideas in Psychology* 26: 387-404 [2008]
- A3. Robert JS. The Comparative Biology of Human Nature. *Philosophical Psychology* 21.3: 425-436 [2008]
- A4. Maienschein J, Sunderland M, Ankeny RA, Robert JS. The Ethos and Ethics of Translational Research [Target article with commentaries and response]. *The American Journal of Bioethics* 8.3: 43-51 and W1-W3 [2008]
- A5. Miller FA, Giacomini M, Ahern C, Robert JS, de Laat S. When Research Seems Like Clinical Care: A Qualitative Study of the Communication of Individual Cancer Genetic Research Results. *BMC Medical Ethics* 9.4 [2007] [open access online at: <http://www.biomedcentral.com/1472-6939/9/4>]
- A6. Miller FA, Giacomini M, Robert JS, Christensen R. Duty to Disclose What? Querying the Putative Obligation to Return Research Results to Participants. *Journal of Medical Ethics* 34: 210-213 [2008]
- A7. Giacomini M, Baylis F, Robert JS. Banking on It: Public Policy and the Ethics of Stem Cell Research and Development. *Social Science & Medicine* 65.7: 1490-1500 [2007]
- A8. Robert JS. Gene Maps, Brain Scans, and Psychiatric Nosology. *Cambridge Quarterly of Healthcare Ethics* 16: 209-218 [2007]
- A9. Baylis F, Robert JS. Human Embryonic Stem Cell Research: An Argument for National Research Review. *Accountability in Research* 13.3: 207-224 [2006]
- A10. 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]
- A11. Robert JS, Maienschein J, Laubichler M. Systems Bioethics and Stem Cell Biology. *Journal of Bioethical Inquiry* 3.1-2: 19-31 [2006]

- A12. Baylis F, Robert JS. Primer on Ethics and Crossing Species Boundaries. Online at http://www.actionbioscience.org/biotech/baylis_robert.html [2006]
- A13. Heathcotte B, Robert JS. The Strange Case of the Humanzee Patent Quest. *National Catholic Bioethics Quarterly* 6.1: 51-59 [2006]
- A14. Robert JS. The Science and Ethics of Making Part-human Animals in Stem Cell Biology. *FASEB Journal* 20: 838-845 [2006]
- A15. Campbell R, Robert JS. The Structure of Evolution by Natural Selection. *Biology & Philosophy* 20.4: 673-696 [2005]
- A16. Kirk DD, Robert JS. Assessing Commercial Feasibility: A Practical and Ethical Prerequisite for Human Clinical Testing. *Accountability in Research* 12.4: 281-297 [2005]
- A17. Robert JS, Plantikow T. Genetics, Neuroscience, and Psychiatric Classification. *Psychopathology* 38.4: 215-218 [2005]
- A18. Vinci T, Robert JS. Aristotle and Modern Genetics. *Journal of the History of Ideas* 66.2: 201-221 [2005]
- A19. Robert JS, Smith A. Toxic Ethics: Environmental Genomics and the Health of Populations. *Bioethics* 18.6: 493-514 [2004]
- A20. Robert JS. Model Systems in Stem Cell Biology. *BioEssays* 26.9: 1005-1012 [2004]
- A21. 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]
- A22. Robert JS. Constant Factors and Hedgeless Hedges: On Heuristics and Biases in Developmental Biology. *Philosophy of Science* 70.5: 975-988 [2003]
- A23. Robert JS, Baylis F. Crossing Species Boundaries [target article with commentaries and response]. *The American Journal of Bioethics* 3.3: 1-13 [2003]
- A24. 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]
- A25. Robert JS. How Developmental is Evolutionary Developmental Biology? *Biology & Philosophy* 17.5: 591-611 [2002]
- A26. Robert JS, Hall BK, Olson WM. Bridging the Gap between Developmental Systems Theory and Evolutionary Developmental Biology. *BioEssays* 23.10: 954-962 [2001]
- A27. Robert JS. Interpreting the Homeobox: Metaphors of Gene Action and Activation in Development and Evolution. *Evolution & Development* 3.4: 287-295 [2001]
- A28. 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 Krinsky. *Literary Review of Canada* 9.4: 18-21 [May 2001]
- A29. Robert JS. Schizophrenia Epigenesis? *Theoretical Medicine and Bioethics* 21.2: 191-215 [2000]
- A30. Robert JS. Fastidious, Foundational Heresies. Critical notice of *Foundations of Biophilosophy* by Martin Mahner and Mario Bunge. *Biology & Philosophy* 15.1: 133-145 [2000]

- A31. 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]
- A32. Robert JS. Wild Ontology: Elaborating Environmental Pragmatism. *Ethics and the Environment* 5.2: 191-209 [2000]
- A33. Robert JS. Moral Truthfulness in Genetic Counseling. *Business and Professional Ethics Journal* 17.1-2: 73-93 [1998]
- A34. 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. Smith A, Robert JS. Conceptual and Normative Dimensions of Toxicogenomics. Forthcoming in *Genomics and Environmental Regulation: Science, Ethics, and Law*, eds. RR Sharp, GE Marchant, JA Grodsky (Johns Hopkins University Press), pp. 219-241 [2008]
- BC2. Robert JS. Evo-devo. In *The Oxford Handbook of Philosophy of Biology*, ed. M. Ruse (Oxford University Press), pp. 291-309 [2008]
- BC3. Robert JS. Nanoscience, Nanoscientists, and Controversy. In *Nanotechnology and Society: Current and Emerging Ethical Issues*, eds. F. Allhoff and P. Lin (Springer, 2008).
- BC4. Robert JS. Behavioural Genetics. In *The Cambridge Textbook of Bioethics*, ed. P.A. Singer (Cambridge University Press), pp. XX-XX [2008]
- BC5. Robert JS. Molecular and Systems Biology and Bioethics. In *The Cambridge Companion to Philosophy of Biology*, eds. M. Ruse and D.L. Hull (Cambridge University Press), pp. 361-371 [2007]
- BC6. 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]
- BC7. 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 Dictionary and Encyclopaedia Entries

- E1. Maienschein J, Robert JS. Stem Cell Research. Forthcoming in *Dictionary of American History*, Dynamic Reference edition, eds. G Cross, R Maddox, and W Pencak (Charles Scribner's Sons/Thomson Gale) [2008]
- E2. Robert JS, Baylis F. Genetic Engineering: Public Health and Ethics. Forthcoming in *Encyclopedia of Public Health*, ed. K Heggenhougen (Elsevier) [2008]
- E3. Baylis F, Robert JS. Gene Therapy. *Encyclopedia of Science, Technology, and Ethics*, ed.-in-chief C Mitcham (MacMillan Reference USA), pp. 829-831 [2005]
- E4. 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. Baylis F, Robert JS. Part-human Chimeras: Worrying the Facts, Probing the Ethics. *The American Journal of Bioethics – Neuroscience* 7.5: 41-45 [2007]
- C2. Robert JS. Systems Bioethics. *The American Journal of Bioethics* 7.4: 80-82 [2007]
- C3. Martin RA, Robert JS. Is Risky Pediatric Research Without Prospect of Direct Benefit Ever Justified? *The American Journal of Bioethics* 7.3: 12-15 [2007]
- C4. Robert JS. The Human Dimension of Bioscience – Commentary on Fred Bookstein, “My Unexpected Journey in Applied Biomathematics”. *Biological Theory* 1.2: 179-180 [2006]
- C5. 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]
- C6. Robert JS, Baylis F. Stem Cell Politics: The NAS Prohibitions Pack More Bark Than Bite. *Hastings Center Report* 35.6: 15-16 [2005]
- C7. Robert JS. Human Dispossession and Human Enhancement. *The American Journal of Bioethics* 5.3: 27-29 [2005]
- C8. Robert JS, Baylis F. When It Comes To Funding Research, Value Should Count. *The Globe & Mail*, 4 July: A13 [2005]
- C9. Sarkar S, Robert JS. Editors’ Introduction [to a special issue on evolution and development]. *Biology & Philosophy* 18.2: 209-217 [2003]
- C10. Robert JS. Regulating the Creation of Novel Beings. *Health Law Review* 11.1: 14-19 [2002]
- C11. Robert JS. The Complexity of Bioethics, the Bioethics of Complexity. *Health Ethics Today* 11.2: 2-5 [2000]
- C12. Boetzkas 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. Brian JD, Robert JS. Biotechnology, Bioethics, and the Future: A Review of Ronald Bailey’s *Liberation Biology*. Forthcoming in *Theoretical Medicine and Bioethics* [2008]
- BR2. Robert J. Review of *Nanoethics*, eds. F. Allhoff, P. Lin, J. Moor, and J. Weckert. *Studies in Ethics, Law, and Technology* 2.1: Article 10. Available online at: <http://www.bepress.com/selt/vol2/iss1/art10> [2008]
- BR3. Robert JS. Review of *Philosophy of Experimental Biology* by M. Weber. *Perspectives in Biology and Medicine* 50.1: 158-160 [2007]
- BR4. 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]
- BR5. 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]
- BR6. 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]

- BR7. 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]
- BR8. 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]
- BR9. 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]
- BR10. 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

Robert JS, Brian JD. When is Innovation Research? And Why Should We Care? Revised and resubmitted to *Cambridge Quarterly of Healthcare Ethics* [October 2007]

PRESENTATIONS

Peer-reviewed Conference Presentations (International/national)

- P1. Robert JS. Gene Maps, Brain Scans, and Everything Else: Cross-Cultural Issues in Defining Mental Illness. 16 February 2008, American Association for the Advancement of Science, Boston
- P2. Robert JS. Braving the Brain. 1 June 2007, Canadian Bioethics Society, Toronto
- P3. Robert JS. Brain Repair and Neural Enhancement. 3 November 2006, Society for Social Studies of Science, Vancouver
- P4. Robert JS. Genetics, Neuroscience, and Nosology. 27 May 2005, American Psychological Society, Los Angeles
- P5. Robert JS. Developmental Evolutionary Psychobiology. 26 June 2004, International Society for Developmental Psychobiology, Aix-en-Provence, France
- P6. Robert JS. Stem Cells, Model Systems, and Scientific Inference. 5 March 2004, Southwest Colloquium on History & Philosophy of Life Sciences, University of Texas-Austin
- P7. Robert JS. The Nature and Culture of Stem Cells. 20 September 2003, Stem Cell Network Annual General Meeting, Vancouver
- P8. Robert JS. Environmental Genomics: Science, Ethics, and the Health of Populations. 8 February 2003, Genome Canada's GE³LS Winter Symposium, Montréal
- P9. Robert JS. Constant Factors and Hedgeless Hedges: On Heuristics and Biases in Developmental Biology. 8 November 2002, Philosophy of Science Association, Milwaukee
- P10. 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

- P11. 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
- P12. Robert JS. Evolutionary Developmental Biology: Evolutionary Theory in the Context of Development. 28 December 2001, American Philosophical Association, Eastern Division, Atlanta
- P13. 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
- P14. Robert JS. Whither the Body in Biology and Bioethics? 21 October 2000, Canadian Bioethics Society, Québec City
- P15. 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)
- P16. Robert JS. The Homeobox Genes in Development and Evolution: Skeptical Considerations. 25 May 2000, Canadian Philosophical Association, Edmonton (awarded the Dialogue Student Essay Prize)
- P17. Robert JS. The Homeobox Genes in Development and Evolution: Skeptical Considerations. 23 April 2000, American Philosophical Association, Central Division, Chicago
- P18. Robert JS. Bioethics Beyond Georgetown. 29 October 1999, Canadian Bioethics Society, Edmonton (awarded Student Abstract Prize)
- P19. Robert JS. Robustness and Psychiatric Nosology: The Case of Schizophrenia. 4 June 1999, Canadian Philosophical Association, Sherbrooke
- P20. 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)
- P21. 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)
- P22. Robert JS. Unpacking Hacking's 'An Indeterminacy in the Past'. 1 November 1997, Ontario Philosophical Society, Toronto
- P23. Robert JS. Deviant Life: Toward a Political Philosophy of Biology. 25 October 1997, Society for Social Studies of Science, Tucson AZ
- P24. Robert JS. The Nature of Norms. 2 June 1997, Canadian Philosophical Association, St. John's
- P25. 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)

- P26. Robert JS. Why Biomedical Research Needs Evo-Devo. 7 November 2008, Zoonet Conference, Budapest, Hungary
- P27. Robert JS. The Darwinian Ark. 5 November 2008, Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg, Austria

- P28. Robert JS. Evolutionary developmental medicine. 26 July 2007, International Society for History, Philosophy, and Social Studies of Biology, University of Exeter
- P29. Wicked Problems in Population Health Intervention Research. 25 June 2007, Canadian Institutes of Health Research-Institute of Population and Public Health Summer Institute, Banff AB
- P30. Robert JS. Cyborgs, Ratbots, and Bionic Humans: Wiring Brains to Machines. 9 May 2007, Discovery Center, Halifax, Nova Scotia
- P31. Robert JS. Braving the World of Neurotechnology. 9 February 2007, Health Law Institute Seminar Series, Dalhousie University
- P32. Robert JS. Moral Architecture in Public and Population Health. 8 February 2007, Department of Epidemiology, Biostatistics, and Occupational Health, McGill University
- P33. 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
- P34. Robert JS. Converging Technologies for CNS Repair. 15 September 2006, Dalhousie University
- P35. Robert JS. See-Through Genetics. 29 April 2006, Genetic Diversity and Science Communication Workshop, Canadian Institutes of Health Research – Institute of Genetics, Toronto
- P36. Robert JS. Systems Bioethics [Plenary Address]. 28 September 2005, *Genomics in Context*, EGENIS, University of Exeter, UK
- P37. 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
- P38. Robert JS. Organizing Science for Global Public Health: Ethical Considerations. 30 May 2005, Direction du Santé Publique (Montreal)
- P39. Robert JS. Biosolids and Bioethics. 25 May 2005, Nova Scotia Agricultural College Seminar Series
- P40. 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
- P41. Robert JS. ‘Triggering’ is the Wrong Metaphor. 17 July 2003, International Society for History, Philosophy, and Social Studies of Biology, University of Vienna
- P42. 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
- P43. Robert JS. From Diagnosis to Design: Ethical Aspects of Reproductive Technologies. 12 November 2002, Departments of Biology and Philosophy, West Virginia University
- P44. 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)
- P45. Robert JS. Homeosis and Hopeless Monsters. 19 October 2002, *Dibner Institute Fall Workshop: From Embryology to Evo-Devo*, Cambridge MA

- P46. Robert JS. Polly Shouldn't Be? The Ethics of Creating Novel Beings. 26 September 2002, Departments of Philosophy and Biology, Connecticut College
- P47. 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
- P48. Robert JS. Psychiatric Disease Classification in the Genomic Age. 22 March 2002, Department of Philosophy, Florida State University
- P49. Robert JS. Robustness and Psychiatric Nosology. 16 November 2001, Department of Philosophy, University of Texas at Austin.
- P50. Robert JS. Evolution and Epigenetics. 15 November 2001, History and Philosophy of Science Program, University of Texas at Austin
- P51. Baylis FB, Robert JS. Stability, Rupture, and the Human Genome. 26 October 2001, *American Society for Bioethics and Humanities*, Nashville
- P52. Robert JS. Evolutionary Developmental Biology. 23 July 2001, *Second Annual Meeting on Philosophy and Developmental Biology*, Yale University
- P53. 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
- P54. 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
- P55. 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)

- P56. Robert JS. Human Ethology: The Comparative Biology of Human Nature. To be presented 11 June 2009 as the Human Kinetics Lecture, North American Society for the Psychology of Sport and Physical Activity, Austin TX
- P57. Robert JS. Stem Cell Research: The New Fundamentals. 10 April 2008, *Western States Osteopathic Convention*, Las Vegas
- P58. Robert JS. Brains in Context: The Case for Comparative Research in Biomedical Neuroscience. 28 March 2008, University of Alabama at Birmingham
- P59. Robert JS. Brains in Context: The Problematic Role of Model Organisms in Neuroscience. 5 June 2007, James S. McDonnell Foundation 21st Century Science Initiative Program Meeting, *Methodology Matters*, Babson Park MA
- P60. Robert JS. Neural Interface Systems: Ethical and Conceptual Issues at the Frontier of Brain Repair. 17 May 2007, Neuroethics Program, Stanford Center for Biomedical Ethics
- P61. Robert JS. Problematizing 'Enhancement'. 15 April 2007, Dartmouth College
- P62. Robert JS. Constitutive Epigenesis, Creative Development, and Evolutionary Developmental Neurobiology. 25 March 2007, *Nature-Nurture Symposium*, Indiana University
- P63. Robert JS. Stem Cells: Clinical Hopes, Social Fears, Moral Choices. 21 March 2007, *Western States Osteopathic Convention*, Las Vegas
- P64. Robert JS. Nanotechnology, Neurotechnology, and Society. 12 October 2006, *International Institute of Nanotechnology Symposium*, Northwestern University

- P65. Robert JS. Controversial science, controversial scientists? 9 August 2006, *Nano and Bio in Society (NABIS) Conference*, Chicago
- P66. Robert JS. Cloning, Chimeras, and the Stem Cell Circus. 2 May 2006, *Dr Max Pickerill Public Lecture Series*, Colby Community College, Colby KS
- P67. Robert JS. Gene Maps, Brain Scans, and Psychiatric Classification. 12 April 2006, Holtz Center, University of Wisconsin - Madison
- P68. Robert JS. Nanotechnology and Society: Ethical and Political Dimensions. 29 March 2006, *NABIS – Nanotechnology in Society’s Context*, Chicago
- P69. 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
- P70. Robert JS. Systems Bioethics. 14 October 2005, *Heather and Scott Kleiner Lecture Series*, Department of Philosophy, University of Georgia
- P71. Robert JS. Stem Cells: Clinical Hopes, Social Fears, Moral Choices. 13 April 2005, *Western States Osteopathic Convention*, Las Vegas
- P72. Robert JS. Animal Models for Human Disease: Conceptual and Ethical Issues. 8 April 2005, National Institute of Environmental Health Sciences, Research Triangle Park NC
- P73. Robert JS. Developmental Evolutionary Psychobiology. 24 September 2004, *ISHPSSB Future Directions Workshop (FDISH)*, University of San Francisco
- P74. 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
- P75. Robert JS. Development: Never the Bride? 4 March 2004, Department of Philosophy, Texas A&M University
- P76. Robert JS, Gass G. Development: Always the Bridesmaid? 6 January 2004, *Society for Integrative and Comparative Biology*, New Orleans (presented by JS Robert)
- P77. Robert JS, Baylis F. Crossing Species Boundaries. 28 June 2003, *Transvision 2003 USA*, World Transhumanist Association, Yale University (presented by JS Robert)
- P78. 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
- P79. 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
- P80. Robert JS. Polly Shouldn’t Be? 1 March 2003, Keynote address, *First Canadian National Undergraduate Bioethics Conference*, Antigonish NS
- P81. Robert JS. Homeosis and Hopeless Monsters. 5 January 2003, *Society for Integrative and Comparative Biology*, Toronto
- P82. Robert JS. Regulating the Creation of Novel Beings. 21 September 2002, Health Law Institute, University of Alberta
- P83. Robert JS. Constant Factors and Hedgeless Hedges: On Heuristics and Biases in Biological Research. 7 December 2001, Department of Philosophy, University of Calgary

- P84. 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
- P85. Robert JS. Population Health and the Human Genome. 29 November 2001, Centre for Health Services and Policy Research, University of British Columbia
- P86. Robert JS. Methodological Consilience in Bioethics Research. 13 October 2001, *Canadian Bioethics Society*, Winnipeg
- P87. Vinci T, Robert JS. Aristotle and Modern Genetics. 26 May 2001, *Canadian Society for the History and Philosophy of Science*, Québec City
- P88. Robert JS. Ecoevodevophylontogeny: Synthesis for Its Own Sake? 16 March 2001, Department of Philosophy, McGill University
- P89. Robert JS. Interactions Within and Between Evolution and Development. 29 January 2001, Department of Philosophy, University of Western Ontario
- P90. Robert JS. Redeeming Russell (E.S. Russell, That Is). 25 May 2000, *Canadian Society for the History and Philosophy of Science*, Edmonton
- P91. 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
- P92. 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
- P93. Robert JS. Cellular Cells and Secular Souls: Notes on the Genetic Revolution. 19 April 1997, *Strategies of Critique XI*, York University (Toronto)
- P94. Robert JS. Disowning the Legacy of Malthus. 28 September 1996, *Legacies*, Nineteenth-Century Studies Group, University of Toronto

Invited presentations, Local (academic/clinical)

- P95. Robert JS. Technology and Human Enhancement: What's the Connection? 13 January 2009, Midwestern University, Glendale AZ
- P96. Robert JS. The Societal and Ethical Dimensions of Nanotechnology. 6 May 2006, Inaugural Emeritus College Symposium, Arizona State University
- P97. Robert JS. Brain Repair: Ethical, Clinical, and Social Issues. 19 April 2006, Barrow Neurological Institute, Phoenix
- P98. Robert JS. Gene Maps, Brain Scans, and Psychiatric Classification. 31 March 2006, Department of Philosophy, Arizona State University
- P99. Robert JS. Toxins, Genomics, and Ethics. 13 January 2005, College of Law, Arizona State University
- P100. Robert JS. Ethical and Conceptual Issues in Stem Cell Biology. 23 January 2004, Department of Biology, St. Mary's University, Halifax
- P101. Robert JS. Model Systems in Stem Cell Biology. 6 November 2003, Model Systems in Stem Cell Biology Workshop, Dalhousie University
- P102. Campbell R, Robert JS. The Structure of Evolution by Natural Selection. 28 February 2003, Department of Philosophy, Dalhousie University
- P103. Robert JS. Healthy Genomes, Healthy Folks? Public lecture, 22 November 2002, University College of Cape Breton

- P104. 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
- P105. Robert JS. Robustness and Psychiatric Classification. 4 October 2002, Department of Philosophy, Dalhousie University
- P106. Robert JS. Evolutionary Theory in Developmental Context. 29 September 2001, *Atlantic Region Philosophers Association*, Mount Allison University
- P107. Robert JS. Universal Genetic Variability: Considerations of Justice. 7 September 2001, Department of Philosophy, Dalhousie University
- P108. Vinci T, Robert JS. Aristotle and Modern Genetics. 4 May 2001, Department of Philosophy, Dalhousie University
- P109. Robert JS. The Developmentalist Challenge to Genetics and Evolution. 12 January 2001, *Friday Informal Seminar Hour (FISH) Series*, Department of Biology, Dalhousie University
- P110. Robert JS. Disputes Over the Nature of Genuinely Synthetic Biology. 29 September 2000, Department of Philosophy, Dalhousie University
- P111. Robert JS. Demands for Inappropriate Treatment. Education Session. 22 February 1999, *Clinical Ethics Committee and Work Groups*, Hamilton Health Sciences Corporation
- P112. Boetzkas 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)
- P113. Robert JS. Thinking Differently About Philosophy. 30 January 1997, *Graduate Student Research Symposium*, McMaster University

Invited presentations, Local (community, selected)

- P114. Robert JS. How Should We Teach Ethics in Medical School? 26 September 2007, The University of Arizona College of Medicine – Phoenix in Partnership with Arizona State University *Mini-Med School*.
- P115. Maienschein J, Robert JS. Stem Cells, Embryos, and Clones. 19 March 2007, Rio Verde Community Center, Rio Verde AZ
- P116. Robert JS. Forbidden Science – Boundaries on New Emerging Science and Technology. 22 October 2006, Jewish Women's Symposium, Tempe AZ
- P117. 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
- P118. Robert JS. Controversial Science: The Case of Part-human Chimeras. 25 July 2005, Barrow Neurological Institute [Spirit of the Senses Medical Salon], Phoenix AZ
- P119. Maienschein J, Robert JS. Stem Cells and Cloning: What's All the Fuss? 4 March 2005, Engineers Club of the Sun Cities AZ

RESEARCH EXPERIENCE

Marine Biological Laboratory Summer Seminar, Woods Hole MA (May 2008) - Participated as a faculty member in a week-long history of biology workshop on “The Embryo Project” at the MBL

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, focusing on genetic enhancement technologies

McMaster Institute of Environment and Health (1997-1998 – Dr John Eyles) - Research Assistantship, focusing on the relationship between bioethics and environmental ethics

GRANTS

Operating grants

Robert JS (PI), “Comparative Neurobiology, Model Organisms, and Understanding the Human Brain,” *The James S. McDonnell Foundation* (\$48,005; 2007-08)

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 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 Tenure and Promotion Exemplar, Office of the Provost, 2008

Designated Affiliate Faculty Member of the Consortium for Science, Policy, and Outcomes, 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
Canada-United States Fulbright Scholarship, 1998, held at The University of Chicago in 1999
Ontario Graduate Scholarship, 1996-1997 (declined 1997-1998)
Ashbaugh Fellowship and McMaster Graduate Scholarship, 1994-1995

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
Senator Frank Carrell Upper-year Scholarship, 1993, 1992

Essay Prizes

Dialogue Student Essay Prize, *Canadian Philosophical Association*, 2000
Peter Miller Student Essay Prize, *Canadian Society for the Study of Practical Ethics*, 2000
Student Abstract Prize, *Canadian Bioethics Society*, 1999
Student Essay Prize, *McMaster Institute of Environment and Health*, Workshop on "The Ethics of Human Health and Ecosystem Health", 1998
Peter Miller Student Essay Prize, *Canadian Society for the Study of Practical Ethics*, 1998

GRADUATE SUPERVISION (at ASU unless otherwise noted)

Director of Biology PhD dissertation

Jennifer Brian, *Public Bioethics* (2006-)

Director of Biology MSc thesis

Katherine Brind'Amour, *Prenatal Health Care in Maricopa County* (2007-)
Mallory Feng, *Comparative Neuroscience* (2007-2008)
Brenda Flores, *Diabetes, Public Health, and Healthy Public Policy for Latinos* (2006-2008)
Hayley Ivins, *Women in Health Research* (2007-2008)
Nicole Newkirk, *Alternative Sources of Human Pluripotent Stem Cells* (2007-)
Margaret Paul, *Children in Hospice* (2007-2008)
Jeremy Stoloff, *Negotiating Clinical Research: Advice for Small Businesses* (2006-2008)

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 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, *Prenatal Public Health Care in Maricopa County AZ* (2007-2008)

Nicole Newkirk, *Creating Chimeric Embryos* (2007-2008)

Margaret Paul, *Children in Hospice* (2006-2007)

Zachary Pirtle, *Democratizing Science* (2006-2007)

Ryan Shreckengast, *The Role of the Media in Public Understanding of Science* (2006)

Arielle Silverman, *Visual Restoration Therapy* (2006-2007)

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

Mentor for Senior Project

Ramona Chomor, *Regulating Tanning Salons* (2006)

Megan Dyer, *Quality of Death* (2007-2008)

Benny Esparra, *Medical Education* (2006-2007)

Kelsey Maloy, *Inventing ADHD* (2006-2007)

Cory Martinez, *Bioethics-and-Film-In-a-Box* (2007-2008)

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

Member of Honors Thesis Committee

Derrick Allen (2006), Jodi Baugh (2006), Ashley Beck (2007), David Cohen (2004), Mallory Feng (2007), Jeremy Greenberg (2006), Hayley Ivins (2007), Sarah Lusk (2006), Kelly Malina (2008), Jennifer Minneci (2006), Travis Powell (2007), Jennifer Prosser (2006), Claire Sollars (2007), BJ Savitch (2005), Lucia de Vernai (2008)

TEACHING EXPERIENCE

The University of Arizona College of Medicine – Phoenix in Partnership with Arizona State University

Scholarly Project Learning Community - Fall 2008-Spring 2012: This four-year, longitudinal course is required for all medical students, and provides formal instruction in research design, research methods, and research ethics in a student-centred, active-learning modality (Class of 2012: 48 students)

Medicine and Society Theme - Fall 2008-Spring 2012: This theme, one of four in the College of Medicine – Phoenix curriculum, accounts for approximately 44-60 hours of instruction in Years 1 and 2, and then provides for occasional sessions and a series of electives in Years 3 and 4. Topics include medical humanities, medical ethics, medical professionalism, health systems and health services, health policy, and the history and philosophy of medicine (Class of 2011: 24 students; Class of 2012: 48 students)

Learning Community - Fall 2007-Spring 2008: This four-year, longitudinal course is required for all medical students. The course integrates core elements of medical humanities and behavioral and social sciences with issues in biomedical informatics, personalized medicine, public and population health, clinical practice, health systems and health services, and health policy *inter alia* (Class of 2011: 24 students; Class of 2012: 48 students)

Arizona State University (School of Life Sciences)

Bioethics in Film, BIO 394 - Fall 2009 (1 credit)

Bioethics in Film, BIO 394 - Spring 2009 (1 credit; co-taught with Clark Miller)

Nanotechnology, the Brain, and the Future II, BIO 591 - Spring 2009 (3 credits; co-taught with Clark Miller)

Biology and Society Lab, BIO 591 – Fall 2008 and Spring 2009 (2 credits; co-ordinated with Andrew Hamilton)

Bioethics in Film, BIO 394 - Fall 2008 (1 credit; co-taught with Jameson Wetmore)

Philosophy of Medicine, BIO 494/591 - Fall 2008(1 credit; co-taught with Jane Maienschein)

Nanotechnology, the Brain, and the Future I, BIO 591 - Fall 2008 (3 credits; co-taught with Clark Miller)

Bioethics in Film, BIO 394/POS 394 - Spring 2008 (1 credit; co-taught with Clark Miller)

Bioethics, Policy, and Law Journal Club, BIO 591 - Spring 2008 (1 credit)

Nanotechnology and the Brain, BIO 499 research seminar – Spring 2008 (1 credit; co-taught with Clark Miller)

Developmental Anatomy, BIO 351 - Fall 2007: Responsible for four lectures on developmental biology, bioethics, and society (3 credits)

Bioethics and the Brain, BIO 591/HPS 591 - Spring 2007 (3 credits)

Qualitative Research Methods for Biology and Society, BIO 494/591 - Spring 2007 (2 credits)

Bioethics in Film, BIO 394/PHI 394 - Fall 2007 (1 credit; co-taught with Andrew Hamilton)

Bioethics in Film, BIO 394/PHI 394 - Fall 2006 (1 credit)

Bioethics, Policy, and Law Journal Club, BIO 591 - Fall 2006 (1 credit)

Developmental Anatomy, BIO 351 - Fall 2006: Responsible for four lectures on developmental biology, bioethics, and society (3 credits)

Public Health Ethics, Law, and Policy, HPS 394 - Fall 2006 (This standalone course also comprised the integrated seminar for the Medicine, Science, and Public Policy Learning Community, of which I was the Faculty Leader) (3 credits)

Bioethics, BIO 394/PHI 320 - Spring 2006 (1 credit)

Bioethics in Film, BIO 394/PHI 394 - Spring 2006 (1 credit)

Health Ethics, Law, and Policy, POS 394 - Fall 2005 (This standalone course also comprised the integrated seminar for the Medicine, Science, and Public Policy Learning Community, of which I was the Faculty Leader; the course was co-taught with Gary Marchant) (3 credits)

Bioethics in Film, BIO 494/HON 494/BIO 591 - Fall 2005 (1 credit)

Bioethics, BIO 394/PHI 320 - Spring 2005 (1 credit)

Genes, Stem Cells, and Justice, BIO 591/LAW 791/PHI 591 - Spring 2005 (co-taught with Joan McGregor) (3 credits)

Ethical Issues in the Biosciences and Biomedical Research, BIO 494/591 - Fall 2004 (co-taught with Joan McGregor) (3 credits)

Biology and Society, BIO 311 - Fall 2004: Responsible for four lectures on bioethics (3 credits)

Dalhousie University (Philosophy)

Philosophy of Biology, PHIL 3420/5420 and BIOL 3580 - Winter 2004

Ethics and Health Care: Patient Care, PHIL 2805 - Fall 2003

Philosophy of Science, PHIL 3670/5670 - Winter 2003

Understanding Scientific Reasoning, PHIL 2660 X/Y, Dalhousie Integrated Science Program - Fall 2002-Winter 2003

Philosophy of Science, PHIL 3670/5670 - Winter 2002 Humanities and Science, SCIE 1500 X/Y, Dalhousie Integrated Science Program - Fall 2001-Winter 2002

Sessional Lectureships at McMaster University (Philosophy):

Advanced Bioethics, PHIL 3C3 – Winter 2000

Moral Issues (Bioethics), PHIL 2D3 – Winter 2000

Moral Issues (Bioethics), PHIL 2D3 - Spring 1998

Moral Issues (Bioethics), PHIL 2D3 - Winter 1998

Advanced Bioethics, PHIL 3C3 – Fall 1997

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

OTHER TRAINING ACTIVITIES

Faculty member, Summer Institute 2007, Institute of Population and Public Health, Canadian Institutes of Health Research, 24-27 June, Banff AB

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

DEPARTMENTAL AND UNIVERSITY SERVICE

Director, Bioethics, Policy, and Law Program, Center for Biology and Society, School of Life Sciences, ASU, 2008- (co-director, 2007-2008)

Member, Executive Committee, Human and Social Dimensions of Science and Technology PhD Program, ASU, 2007-

Member, Institute for Humanities Research Advisory Council, ASU, 2007-

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

PROFESSIONAL SERVICE

Ongoing

Member, American Society for Bioethics and Humanities Program Committee, 2006- (co-chair, 2007-2008)

Editorial Advisory Board Member, *Biological Theory* (MIT Press), 2005-

Co-Editor, Philosophy of Biology, *Stanford Encyclopedia of Philosophy*, 2004-

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-

Referee for *BioEssays*, *Bioethics*, *Biology & Philosophy*, Broadview Press, Cambridge University Press, Canadian Bioethics Society (Student Abstract Competition), Canadian Philosophical Association, *Cell Stem Cell*, *Cellular and Molecular Life Sciences*, *Community Genetics*, *Developing World Bioethics*, *Environmental Health Perspectives*, *Environmental Values*, *Health Law Journal*, *International Studies in Philosophy of Science*, *Journal of Clinical Ethics*, *Jurimetrics*, *Naturwissenschaften*, Oxford University Press, 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, Wiley Press, Yale University Press

Completed

Philosophy Subcommittee Chair, American Society for Bioethics and Humanities Program Committee, 2005-2006

Off-year Workshop Committee, International Society for History, Philosophy, and Social Studies of Biology, 2005-2006

Member, Canadian Institutes of Health Research-Institute of Genetics New Principal Investigators Priority and Planning Committee, 2003-2007

Member, Canadian Institutes of Health Research-Institute of Genetics Voluntary Health Organizations Working Group, 2003-2004

Member, Novel Tech Ethics Research Team, Dalhousie University, 2002-2006

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

Updated January 15, 2009