

January, 2018

**CURRICULUM VITAE
ARTHUR JOHN ROBSON**

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Simon Fraser University
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Citizenships: New Zealand, Canada

Marital Status: Married

Undergraduate Studies:

Victoria University of Wellington, New Zealand, 1966-1968, B.Sc.(Honors),
First Class Honors in Pure and Applied Mathematics.

Graduate Studies:

Massachusetts Institute of Technology, 1969-1970, Courses for Ph.D. in
Pure Mathematics.

Massachusetts Institute of Technology, 1970-1974, Ph.D. in Economics.

Ph.D. Fields:

Advanced Theory, Micro and Macro, Urban, Econometrics, Income Dis-
tribution.

Thesis Title:

“Congestion, Pollution and Urban Structure,” June 1974.

Thesis Supervisor:

Professor Robert M. Solow
Department of Economics
Massachusetts Institute of Technology

References:

ON REQUEST

Employment Experience:

(i) Simon Fraser University—

2003-: Full Professor

2017-2022: University Professor

2003-2017: Canada Research Chair in Economic Theory and Evolution

(ii) University of Western Ontario—

2003-2005: Adjunct Research Professor

1984-2003: Full Professor

1980-1984: Associate Professor

1975-1980: Assistant Professor

(iii) Other—

Fall 2006: John Hinkley Visiting Professor, Economics Department, Johns Hopkins University

1989: Visiting Professor, University of Michigan

1985-1986: Gastprofessor, Universität Mannheim

1974-1975: Assistant Professor, Northeastern University

1972-1974: Teaching Assistant, MIT

1969-1970: Teaching Assistant, MIT

Courses Taught:

(i) Undergraduate: Macro and Micro Principles, Intermediate Micro, Mathematics for Economists, Natural Resources and Energy, Environmental Economics, Urban Transportation, Industrial Organization, Game Theory, “Anthropology, Biology and Economics,” “Biology, Economics, and Neuroscience”

(ii) Graduate: Mathematical Economics, Micro—Partial and General Equilibrium, Urban, Industrial Organization, Game Theory, “The Biological Basis of Economic Behavior”

Current Research Interests:

Game Theory, Biological Evolution of Economic Behavior, Status.

Fields of Teaching Interests:

Micro, Game Theory, Evolution and Economics.

Visits:

2014: Visitor, Northwestern University

2012: Visitor, Yale University

2012: Visitor, University of California at San Diego

2008: Chair of Bioeconomics, University of Siena

2007, 2008, 2009, 2014: Visitor, Santa Fe Institute

2006: Visiting Professor, Universität Konstanz
2005-2008: Adjunct Professor, Victoria University of Wellington
2005, 2007: Visitor, Institute for Advanced Studies, Hebrew University of Jerusalem
2001, 2002, 2003, 2004, 2007: Visitor, University College London
2000: Visiting Fellow, Princeton University
2000: Visiting Professor, Stockholm School of Economics
2000: Visiting Scholar, New York University
2000, 2001, 2003, 2005, 2006: Visitor, University of Chicago
1993, 1999, 2004: Visitor, CRIDT, Hebrew University of Jerusalem
1995-1996: Visiting Scholar, Boston University
1990: Research Fellow, CentER, Tilburg University
1981-1982: Visiting Scholar, Hoover Institution, Stanford University
1978: Visiting Fellow, Australian National University

Fellowships, etc:

2012 and 2013: Visiting Fellow, Becker Friedman Institute, University of Chicago
2011: Visiting Fellow, All Souls College, Oxford (Trinity Term)
2011: John Simon Guggenheim Memorial Foundation Fellowship
2000-2003: Glenn Campbell Faculty Fellowship, University of Western Ontario
2000-2001: Canada Council for the Arts Killam Research Fellowship
1969: Fulbright Fellowship

Prizes, Honors, etc:

2018: Fellow of the Canadian Economics Association
2017: Fellow of the Game Theory Society
2015: Distinguished Fellow of the New Zealand Association of Economists
2014: John Rae Prize (best research record by an Canadian economist over the last five years)
2011: Economic Theory Fellow of the Society for the Advancement of Economic Theory
2009: Fellow of the Royal Society of Canada
2007: Fellow of the Econometric Society
1968: Sir Robert Stout Prize (Best Degree)
1966: MacMorran Prize in Mathematics

Workshops and Conferences Organized, Mini-Courses, Etc (Since 2003)

2015: Organized Workshop at SFU “The Biological Basis of Preferences and Strategic Behavior”

2014: Co-organized Canadian Economic Theory Conference at SFU

2013: Presented Mini-Course on The Biological Basis of Economics at New York University

2013: Presented Mini-Course on The Biological Basis of Economics at Toulouse School of Economics

2012: Organized Conference at the Becker Friedman Institute at the University of Chicago “The Biological Basis of Economic Preferences and Behavior”

2010: Organized Workshop at SFU “The Biological Basis of Behavioral Economics”

2009-2015: Council of the Game Theory Society

2008: Program Committee for the Third World Congress of the Game Theory Society

2008: Co-organized Canadian Economic Theory Conference at SFU

2008: Organized Workshop at SFU “The Biological Basis of Economics”

2008: Presented Mini-Course on Economics and Evolution, Northwestern University

2006: Organized Workshop at SFU “The Economics and Archaeology of the Neolithic Transition to Agriculture and the Implications for Inequality”

2003-2006: Organized Bank of Montreal Interdisciplinary Seminar Series at SFU on “Evolution and Economics”

Research Affiliations:

Economics Department, University of Southern California—TREND (Theoretical REsearch in Neuroeconomic Decision-making)

Published/Forthcoming Articles:

1. “Cost-Benefit Analysis and the Use of Urban Land for Transportation,” *Journal of Urban Economics* 3 (1976), 180-191, reprinted in *Kosokudoro to Jidosha* (Expressways and Automobiles).
2. “Two Models of Urban Air Pollution,” *Journal of Urban Economics* 3 (1976), 264-284.

3. "The Effect of Urban Structure on the Concentration of Air Pollution," *Urban Studies* 14 (1977), 89-93.
4. "The Crunch, the Boom, and the Recreational Land Market" (with D.T. Scheffman), *Canadian Journal of Economics* XI (1978), 38-55, reprinted in the *Appraisal Institute Magazine*.
5. "Urban Structure, Gas Prices, and the Demand for Transportation" (with D.T. Scheffman), *Journal of Urban Economics* 6 (1979), 148-155.
6. "Costly Innovation and Natural Resources," *International Economic Review* 21 (1980), 17-30.
7. "Sequential Exploitation of Uncertain Deposits of a Depletable Natural Resource," *Journal of Economic Theory* 21 (1979), 88-110.
8. "Simple General Equilibrium and Trade with a Monopsonized Sector" (with J.R. Markusen), *Canadian Journal of Economics* 13 (1980), 668-682.
9. "Sufficiency of the Pontryagin Conditions for Optimal Control When the Time Horizon is Free," *Journal of Economic Theory* 24 (1981), 437-445.
10. "Comparative Statics of the Market for a Consumer Durable with an Age/Quality Structure: A Reprise of Models of Urban Structure," *Journal of Urban Economics* 11 (1982), 169-179.
11. "Implicit Collusion is Destroyed by Uncertainty," *Economics Letters* 7 (1981), 75-80.
12. "Insurance as a Giffen Good" (with Michael Hoy), *Economics Letters* 9 (1981), 47-51.
13. "OPEC Versus the West: A Robust Duopoly Solution," *Journal of Environmental Economics and Management* 10 (1983), 18-34.
14. "Existence of Consistent Conjectures: Comment," *American Economic Review* 73 (1983), 454-456.

15. "Dynamic Duopoly Under Demand Uncertainty," (with John McMillan), *Canadian Journal of Economics* 17 (1984), 695-698.
16. "An Optimal Dynamic Model of a Consumer Durable with an Age/Quality Structure: An Application for Optimal Control of Systems Governed by Partial Differential Equations" in: *Optimal Control and Economic Analysis 2*. G. Feichtinger (ed.), North-Holland, 1985.
17. "The Existence of Nash Equilibria in Reaction Functions for Dynamic Models of Oligopoly," *International Economic Review* 27 (1986), 539-544.
18. "On the Uniqueness of Endogenous Strategic Timing," *Canadian Journal of Economics* 22 (1990), 917-921.
19. "Stackelberg and Marshall," *American Economic Review* 80 (1990), 69-82.
20. "Duopoly with Endogenous Strategic Timing: Stackelberg Regained," *International Economic Review* 31 (1990), 263-274.
21. "Efficiency in Evolutionary Games: Darwin, Nash and the Secret Handshake," *Journal of Theoretical Biology* 144 (1990), 379-396.
22. "Subgame Perfect Equilibrium in Continuous Games of Perfect Information: An Elementary Approach to Existence and to Approximation by Discrete Games" (with Martin Hellwig, Wolfgang Leininger and Phil Reny), *Journal of Economic Theory* 52 (1990), 406-422.
23. "An Introduction to Evolutionary Game Theory: Secret Handshakes, Sucker Punches and Efficiency," in *Recent Developments in Game Theory*, ed. by J. Creedy, J. Borland and J. Eichberger, 1992, Edward Elgar: Aldershot, England.
24. "Status, the Distribution of Wealth, Private and Social Attitudes to Risk," *Econometrica* 60 (1992), 837-857.
25. "An 'Informationally Robust Equilibrium' for Two-Person Nonzero Sum Games," *Games and Economic Behavior* 7 (1994), 233-245.

26. "The Evolution of Strategic Behavior," *Canadian Journal of Economics* 28 (1995), 17-41.
27. "The Existence of Subgame-Perfect Equilibrium in Continuous Games with Almost Perfect Information: A Case for Public Randomization," (with Chris Harris and Phil Reny), *Econometrica* 63 (1995), 507-544.
28. "The Evolution of Attitudes to Risk: Lottery Tickets and Relative Wealth," *Games and Economic Behavior* 14 (1996), 190-207.
29. "A Biological Basis for Expected and Non-Expected Utility," *Journal of Economic Theory* 68 (1996), 397-424.
30. "Efficient Equilibrium Selection in Evolutionary Games with Random Matching," (with Fernando Vega-Redondo), *Journal of Economic Theory* 70 (1996), 65-92.
31. "The Growth-Maximizing Distribution of Income," (with Myrna Wooders), *International Economic Review* 38 (1997), 511-526.
32. "Naive Adaptive Behavior and the Observability of Gambles," *Games and Economic Behavior* 24 (1998), 97-108.
33. "Forward Induction, Public Randomization and Admissibility," (with Srihari Govindan), *Journal of Economic Theory* 82 (1998), 451-457.
34. "Risky Business: Sexual and Asexual Reproduction in Variable Environments," (with Carl Bergstrom and Jonathan Pritchard), *Journal of Theoretical Biology*, 197 (1999), 541-556.
35. "The Biological Basis of Economic Behavior," *Journal of Economic Literature*, 39 (2001), 11-33.
36. "Why Would Nature Give Individuals Utility Functions?" *Journal of Political Economy* 109 (2001), 900-914.
37. "Evolution and Human Nature," *Journal of Economic Perspectives* 16 (2002), 89-106. (Also "Comments" *Journal of Economic Perspectives* 17 (2003), 207-212.) Reprinted in *Darwinism and Economics*. G.M. Hodgson, ed, 138-155. Edward Elgar (2009).

38. "The Emergence of Humans: The Coevolution of Intelligence and Longevity with Intergenerational Transfers," (with Hillard Kaplan), *Proceedings of the National Academy of Sciences of the USA* 99 (2002), 10221-10226.
39. "Existence of Subgame Perfect Equilibrium with Public Randomization: A Short Proof," (with Phil Reny), *Economics Bulletin* Vol. 3, No. 24 (2002), 1-8.
40. "The Evolution of Human Longevity and Intelligence in Hunter-Gatherer Economies," (with Hillard Kaplan) *American Economic Review* 93 (2003), 150-169.
41. "The Evolution of Rationality and the Red Queen," *Journal of Economic Theory* 111 (2003), 1-22.
42. "Imitation, Group Selection, and Cooperation," (with Philippe Grégoire) *International Game Theory Review* 5 (2003), 229-248.
43. "Embodied Capital and the Evolutionary Economics of the Human Lifespan" (with Hillard Kaplan and Jane Lancaster) *Population and Development Review* 29 Supplement (2003), 152-182.
44. "A Simple Proof of the Harsanyi Purification Theorem," (with Hari Govindan and Phil Reny), *Games and Economic Behavior* (Special issue in memory of Robert Rosenthal) 45 (2003), 369-374.
45. "Reinterpreting Mixed Strategy Equilibria: A Unification of the Classical and Bayesian Views," (with Phil Reny), *Games and Economic Behavior* 48 (2004), 355-384.
46. "Complex Evolutionary Systems and the Red Queen," *Economic Journal*, Symposium "Markets as Complex Adaptive Systems" 115 (2005) F211-F224.
47. "Viewpoint: The Economics of Hunter-Gatherer Societies and the Evolution of Human Characteristics," (with Hillard Kaplan), *Canadian Journal of Economics* 39 (2006), 375-398.

48. “Why Do We Die? Economics, Biology, and Aging,” (with Hillard Kaplan), *American Economic Review P&P* 97 (2007), 492-495.
49. “The Evolution of Intertemporal Preferences” (with Larry Samuelson), *American Economic Review P&P* 97 (2007), 496-500.
50. “The Effect of Food Intake on Longevity” (with Tiemen Woutersen) *Economics Bulletin* 26 (2007), 1-11.
51. “The Evolution of Diet, Brain and Life History among Primates and Humans” (with Kaplan, H. Gangestad, S. Lancaster, J., and Gurven, M.) In *Guts, Brains, Food and the Social Life of Early Hominids*. Kaplan, H., Gangestad, S, Lancaster, J., Gurven, M. and W. Roebucks, eds, pp.47-90. Leiden: University of Leiden Press (2007).
52. “Group Selection” *The New Palgrave: A Dictionary of Economics*, Second Edition, Palgrave Macmillan (2008).
53. “Evolution of Time Preference by Natural Selection: Comment” (with Balazs Szentes), *American Economic Review* 98 (2008), 1178-1188. (Also “-----: An Extended Example.”)
54. “Individual Decision Making and the Evolutionary Roots of Institutions” (with Richard McElreath, Robert Boyd, Gerd Gigerenzer, Andreas Glöckner, Peter Hammerstein, Robert Kurzban, Stefan Magen, Peter J. Richerson, and Jeffrey R. Stevens) In *Better Than Conscious? Decision Making, the Human Mind, and Implications For Institutions*. Edited by Christoph Engel and Wolf Singer, MIT Press, 2008, pp. 325-342.
55. “We Age Because We Grow” (with Hillard Kaplan) *Proceedings of the Royal Society Series B: Biological Sciences*, 2009, 1837-1844.
56. “The Evolution of Time Preference with Aggregate Uncertainty” (with Larry Samuelson) *American Economic Review* 99 (2009), 1925-53.
57. “A Bioeconomic View of the Neolithic Demographic Transition” *Canadian Journal of Economics*, 43 (2010), 280-300.

58. “The Evolutionary Foundations of Preferences” (with Larry Samuelson). In *Handbook of Social Economics* Edited by Alberto Bisin and Matt Jackson, North-Holland, (2011) pp. 221-310.
59. “The Evolutionary Optimality of Decision and Experienced Utility” (with Larry Samuelson) *Theoretical Economics* 6 (2011), 311–339.
60. “Status, Intertemporal Choice, and Risk-Taking” (with Debraj Ray) *Econometrica* 80(2012) 1505–1531 (with online Appendix).
61. “The Economic Approach to ‘Theory of Mind’” (with Nikolaus Robalino) *Philosophical Transactions of the Royal Society: Series B* (2012) 367 1599 2224-2233
62. “The Evolutionary Basis of Time Preference: Intergenerational Transfers and Sex” (with Balázs Szentes and Emil Iantchev) *American Economic Journal: Microeconomics* 4(4) (2012) 172-201.
63. “Genes, Culture, and Preferences” (with Nikolaus Robalino) *Biological Theory* (2013) 8: 151-57.
64. “A Biological Theory of Public Discounting” (with Balázs Szentes) *American Economic Review* (2014) 104: 3481-97.
65. “The Evolution of Strategic Sophistication” (with Nikolaus Robalino) *American Economic Review* (2016), 106: 1046-72.
66. “The Contributions of Suzanne Scotchmer to the Evolutionary Foundations of Economics” in *On the Shoulders of Giants: Colleagues Remember Suzanne Scotchmer’s Contributions to Economics* (2017). Eddie Dekel and Stephen Maurer, eds. Cambridge University Press, 307-312.
67. “Why Sex? and Why Only in Pairs?” (with Motty Perry and Phil Reny) *Economic Journal* (2017) 127: 2730-2743.
68. “Applying Theory of Mind: Theory and Experiments” (with Erik Kimbrough and Nikolaus Robalino) *Games and Economic Behavior* (2017) 106: 209-226.
69. “Group Selection: A Review Essay on ‘Does Altruism Exist?’ by David Sloan Wilson” *Journal of Economic Literature* (2017) 55: 1570-1582.

70. “Certified Random: A New Order for Coauthorship” (with Debraj Ray)
American Economic Review (2018) 108: 489-520.

Submitted/Working Papers/In Progress:

1. “Adaptive Hedonic Utility” (with Lorne Whitehead).
2. “Evolved Attitudes to Idiosyncratic and Aggregate Risk in Age-Structured Populations” (with Larry Samuelson).
3. “Biology and the Arguments of Utility” (with Luis Rayo).
4. “Genes and Culture”.

Monograph in Progress:

1. “The Biological Basis of Preferences”

Referee:

(i) Journals. *American Economic Review* (*Excellence in Refereeing Award, 2011*), *American Economic Journal—Microeconomics*, *American Naturalist*, *Berkeley Electronic Journals in Theoretical Economics*, *Canadian Journal of Economics*, *Current Anthropology*, *Econometrica*, *Economic Journal*, *Economics Letters*, *Economic Theory*, *Economics and Philosophy*, *European Economic Review*, *European Journal of Operations Research*, *Evolution and Human Behavior*, *Games and Economic Behavior*, *Human Nature*, *International Economic Review*, *International Journal of Game Theory*, *International Journal of Industrial Organization*, *Journal of Development Economics*, *Journal of Economic Behavior and Organization*, *Journal of Economic Dynamics and Control*, *Journal of Economic Theory*, *Journal of Economic Literature*, *Journal of Environmental Economics and Management*, *Journal of Industrial Economics*, *Journal of Law, Economics and Organization*, *Journal of Political Economy*, *Journal of Public Economics*, *Journal of Risk and Uncertainty*, *Journal of Theoretical Biology*, *Journal of Urban Economics*, *Mathematical Social Sciences*, *Metroeconomica*, *Nature*, *Philosophy of Science*, *Proceedings of the National Academy of Sciences*, *Proceedings of the Royal Society Series B*, *Quarterly Journal of Economics*, *Rand Journal of Economics*, *Regional Science and Urban Economics*, *Review of*

Economic Studies, Scandinavian Journal of Economics, Science, Sociological Methods and Research, Southern Economics Journal, Theoretical Population Biology, Theoretical Economics, Trends in Cognitive Science, Zeitschrift für Nationalökonomie.

(ii) Research Proposals, etc. Canada Research Chairs Program, European Science Foundation, MacArthur Foundation Grants, MacArthur Foundation Fellowships, National Science Foundation, Social Sciences and Humanities Research Council of Canada, SSHRCC Economics Adjudication Committee, United States–Israel Binational Science Foundation.

(iii) Book Proposals. MIT Press, etc.

(iv) Tenure Reviews, etc. Various Canadian, US and other countries' universities.

Editorial Boards:

Journal of Public Economic Theory 1999-2001

Economics Bulletin 2000-2003

Journal of Economic Literature 2003-2005

Games and Economic Behavior 2003-2007

Theoretical Economics 2005-

Applied Economics Research Bulletin 2007-

Not A Journal of Economics 2009-

Journal of Bioeconomics 2011-

Reviews:

(a) Books:

“Mathematical Theory in Soviet Planning,” by A. Zaubermaun in *Canadian Slavonic Papers* XIX (1977), 518.

“Individual Strategy and Social Structure: An Evolutionary Theory of Institutions” by H. Peyton Young in *Canadian Journal of Economics* 32 (1999), 247-250.

“Game Theory Evolving: A Problem-Centered Introduction to Modeling Strategic Interaction” by Herb Gintis in *Journal of Economic Literature* 39 (2001), 572-573.

“Evolutionary Dynamics and Extensive Form Games” by Ross Cressman in *Journal of Economic Literature* 42 (2004), 1118-1119.

“The Company of Strangers” by Paul Seabright in *Journal of Economic Literature* 43 (2005), 528-529.

“The Bounds of Reason: Game Theory and the Unification of the Behavioral Sciences,” by Herb Gintis in *Journal of Economic Literature* 49 (2011),

133-136.

(b) Papers:

Reviewer for *Mathematical Reviews* 2004-2005.

Invited Seminars (Since 1990 Only):

University of Amsterdam, University of Canterbury, Australian National University *and* University of Melbourne (1990), “Secret Handshakes, Sucker Punches, and Efficiency.”

Texas A&M University (1992), “An ‘Informationally Robust Equilibrium’ for Two-Person Nonzero Sum Games.”

CentER Tilburg University, University of Leuven, Victoria University, University of New South Wales, Erasmus University, Cambridge University (1990), University of Chicago *and* University of Toronto (1991), “Status, the Distribution of Wealth, Private and Social Attitudes to Risk.”

SUNY-Buffalo, University of Guelph, York University (1991), Victoria University, University of Colorado (1992) *and* Hebrew University (1993), “The Evolution of Attitudes to Risk: Lottery Tickets and Relative Wealth.”

University of Waterloo (1992), Tel Aviv University, Hebrew University *and* University of Wisconsin (1993), “The Biological Basis of Expected and Nonexpected Utility.”

University of Toronto (1993, 1994), University of Michigan (1994), *and* Boston University (1995), “The Evolution of the Distribution of Income.”

University of Pittsburgh (1995), “Efficient Equilibrium Selection in Evolutionary Games with Random Matching.”

Boston College, Boston University *and* Virginia Polytechnic Institute and State University (1995), “Adaptive Learning, Idiosyncratic Risk and Aggregate Uncertainty.”

University of Michigan (1996), “Risky Business: Evolution and Expected Utility.”

University of Pittsburgh, University of California at Santa Barbara *and* University of California at San Diego (1997), “Risky Business: Expected Utility and Sex.”

University of California at Santa Barbara (1997), “Expected Utility in the Long Run: Rules of Thumb Versus Bandits.”

Johns Hopkins University, University of Toronto, University College London, University of New South Wales, University of Guelph, Victoria University of Wellington, Queen’s University, Pennsylvania State University *and*

Universität Bonn (1997, 1998), “Why Would Nature Give Individuals Utility Functions?”

University of California at Santa Barbara (1998), “Forward Induction, Public Randomization and Admissibility.”

Victoria University of Wellington (1998), “Evolutionary Games in Biology and Economics.”

University of Pittsburgh (1998), University of Toronto, University of British Columbia, the Hebrew University of Jerusalem, Washington University, Boston College (1999) *and* University of Iowa (2000), “The Evolution of Rationality and the Red Queen”

University of Michigan Evolution and Human Adaptation Program *and* University of Western Ontario (Psychology) (1999), “Evolution of Attitudes to Risk.”

Princeton University, Northwestern University, University of Chicago, University of Warwick, Stockholm School of Economics, Helsinki School of Economics and Business Administration, Stockholm University, Stockholm Research Institute of Industrial Economics (2000), Simon Fraser University, University College London, University of Alberta, University of Calgary, McMaster University, McGill University (2001), London School of Economics, Brown University (Macro) *and* University of Sydney (2002) “The Evolution of Human Longevity and Intelligence in Hunter-Gatherer Economies.”

Penn State University (2000) “The Coevolution of Intelligence and Longevity and the Emergence of Humans.”

Penn State University (2000) “The Biological Basis of Economic Behavior.”

University of Chicago, Université de Montréal (2001), University College London, London School of Economics, University of Rochester, Queen’s University (2002) *and* University of Toronto (2003) “Reinterpreting Mixed Strategy Equilibria: A Unification of the Classical and Bayesian Views.”

University of Chicago, Northwestern University, University of Wisconsin, University of British Columbia (2003), University of Westminster, Simon Fraser (Archaeology), York University, University of Victoria (2004) *and* University of California at Davis (Economic History) (2005) “A ‘Bioeconomic’ View of the Neolithic and Recent Demographic Transitions.”

University of British Columbia, Johns Hopkins University, Arizona State University (2004), University of British Columbia (Anthropology and Sociology), Victoria University of Wellington, University of Chicago (Ratio-

nal Choice), Simon Fraser University (Biological Sciences) (2005), University College London, London School of Economics (Evolution), University of Wisconsin, Princeton University, New York University, University of Pennsylvania, Boston University (2006) *and* Santa Fe Institute Colloquium (2007) “Why We Grow Large and then Grow Old: Economics, Biology, and Mortality.”

University of British Columbia (Anthropology and Sociology) (2006), “The Effect of Food Intake on Longevity.”

Johns Hopkins University (2006) “The Evolution of Intertemporal Preferences.”

Penn State University (2006) “Why Sex? And Why Only in Pairs?”

Santa Fe Institute, Cornell University, Syracuse University, Essex University, Oxford University, University of Sydney, University College London (2007) Victoria University of Wellington, Massey University *and* University of British Columbia (2008) “The Evolution of Impatience with Aggregate Uncertainty.”

University of Sydney (2007) “Biology and Economics”

University of Siena (2008) “The Biological Basis of Economic Behaviour,” “A Bioeconomic View of the Neolithic Transition,” “The Evolution of Time Preference with Aggregate Uncertainty,” “Testing Theories of Sex against the Observation that Sex is Biparental,” “Why Aging is Optimal: Senescence and Size-dependent Costs of Somatic Repair,” *and* “Evolution of Time Preference by Natural Selection”

Santa Fe Institute (2008) “Testing Theories of Sex against the Observation that Sex is Biparental”

University of Westminster, University of Iowa, Indiana University *and* Carleton University (2009) “The Evolution of Decision and Experienced Utility”

University of Iowa (2009) “The Biological Basis of Economic Preferences”

University of Kent, Indiana University *and* Simon Fraser University IR-MACS (2009) “We Are Impatient Because We Die – But Why Do We Die?”

University of Washington Seattle (Anthropology) (2010) “A Bioeconomic View of the Neolithic Transition to Agriculture.”

University of Warwick, University College London, University of Alicante, University of Texas at Austin, Rice University, Texas A&M, University of Southern California, UBC Okanagan (2010), University of California at Santa Barbara *and* Oxford University (2011) “Status, Intertemporal Choice, and

Risk-Taking”

Institute for Economic Policy Research Lecture, University of Southern California, (2010), “The Evolution of Time Preference”

Oxford University, Economics and Biology Seminar (2011) “The Evolution of the Theory of Mind”

Oxford University, All Souls College, Theme Term on the Evolution of Human Cognition—Seminar “The Evolution of the Theory of Mind”

University of California at San Diego (2012) “Status, Intertemporal Choice, and Risk-Taking”

University of California at Santa Barbara, Caltech, University of California at Riverside, Stanford University *and* Cal Poly (2012) “The Evolution of the Theory of Mind”

Yale University, Harvard-MIT, Princeton University, University of Guelph, Western University, Boston College, University of Pennsylvania (2012), Toulouse School of Economics, New York University, University of Chicago (2013), University of Bristol, University of Cambridge, University of Amsterdam, Santa Fe Institute *and* Northwestern University (2014) “Biology and the Arguments of Utility”

Cambridge University (2014) “A Biological Theory of Public Discounting”

Northwestern University (2014) University of California at Santa Barbara *and* University of Texas at Austin (2015) “The Evolution of Strategic Sophistication”

University of Queensland, Queensland University of Technology, University of Melbourne (2016), Simon Fraser University (2017) “An Adapting Threshold Model of Utility”

Weatherhead Center, Harvard University, Stanford University, Columbia University (2017) *and* Chapman University (2018) “Adaptive Hedonic Utility”

Public Lectures (Since 2005)

Public Lecture at SFU (2006) “Playing for Real: Games in Theory and Practice—2005 Nobel Prizes in Economics”

Institute for Economic Policy Research Public Lecture, University of Southern California, (2010), “The Evolution of Time Preference”

SFU Canada Research Chairs Seminar Series Public Lecture (2011) : ”We Are Impatient Because We Die. But Why Do We Die?”

Oxford University, All Souls College, Chichele Lecture (2011) “The Evolution of Time Preference”

Oxford University, Magdalen College, Calleva Lecture (2011) “The Evolution of Utility”

University of Guelph, Public Lecture (2012), “The Evolution of Utility”

SFU Royal Society of Canada Seminar Series Public Lecture (2013): “Biology and the Arguments of Utility”

Conference Presentations (Since 1990 Only):

Foundations and Applications of Utility, Risk and Decision Theories Conference, Duke University (1990), “Status, the Distribution of Wealth, Private and Social Attitudes to Risk.”

Econometric Society World Congress, Barcelona, Spain (1990), “Status, the Distribution of Wealth, Private and Social Attitudes to Risk.”

Econometric Society North American Winter Meetings, Washington, DC, (1990), “Efficiency in Evolutionary Games: Darwin, Nash and the Secret Handshake.”

International Conference on Game Theory, European University Institute, Florence, Italy (1991), “An ‘Informationally Robust’ Equilibrium in Two-Person Nonzero Sum Games.”

Midwestern Mathematical Economics, Northwestern University (1991), “A Continuous Two-Stage Game With No Subgame Perfect Equilibrium.”

Games and Markets Conference, University of Western Ontario (1992), “The Evolution of Attitudes to Risk: Lottery Tickets and Relative Wealth.”

University of Western Ontario/University of Michigan Theory Conference (1992), “The Biological Basis of Expected and Nonexpected Utility.”

Midwestern Mathematical Economics, Michigan State University (1992), “The Evolution of Attitudes to Risk: Lottery Tickets and Relative Wealth.”

Midwestern Mathematical Economics, University of Pittsburgh (1992), “The Biological Basis of Expected and Nonexpected Utility.”

Midwestern Mathematical Economics, University of Wisconsin (1993), “Random Pairing and Fast Convergence to Efficient Equilibria in Coordination Games.”

Organized Evolution and Economics Conference, University of Western Ontario (1993), Presented “The Biological Basis of Expected and Nonexpected Utility.”

Evolutionary Game Dynamics in Biology and Economics Conference,

IIASA, Vienna, Austria (1993), "The Biological Basis of Expected and Non-expected Utility."

Econometric Society North American Winter Meetings, Anaheim, CA (1993), "The Evolution of Attitudes to Risk: Lottery Tickets and Relative Wealth."

Canadian Economic Theory Conference, University of British Columbia (1993), "The Biological Basis of Expected and Nonexpected Utility."

Econometric Society North American Summer Meetings, Boston, MA (1993), "The Biological Basis of Expected and Nonexpected Utility" *and* "A Continuous Two-Stage Game with No Subgame Perfect Equilibrium."

Canadian Economics Association, Ottawa (1993), "The 'Adam and Eve Effect' and Fast Evolution of Efficient Equilibria in Coordination Games."

Econometric Society North American Winter Meetings, Boston, MA (1994), "Random Pairing and Long Run Equilibria in Games."

NBER Decentralization Conference, University of Toronto (1994), "On the Evolution of the Distribution of Income."

Western Economics Association Conference, Vancouver, BC (1994), "On the Evolution of the Distribution of Income."

University of Western Ontario/University of Michigan Theory Conference (1994), "Efficient Equilibrium Selection in Evolutionary Games with Random Matching."

Human Behavior and Evolution Society, University of California at Santa Barbara (1995), "Adaptive Behavior, Idiosyncratic Risk and Aggregate Uncertainty."

Dynamic Evolutionary Game Theory in Biology and Economics, Wilfred Laurier and Guelph Universities (1995), "Efficient Equilibrium Selection in Evolutionary Games with Random Matching."

World Congress of the Econometric Society, Tokyo, Japan (1995), "The Growth-Maximizing Distribution of Income."

New Directions in the Theory of Markets and Games, Fields Institute and University of Toronto (1995), "Adaptive Learning, Idiosyncratic Risk and Aggregate Uncertainty."

Econometric Society North American Winter Meetings, San Francisco (1996), "A Short Proof of Existence of Subgame Perfect Equilibrium in Continuous Stage Games with Public Randomization."

Economic Science Association, San Francisco (1996), "The Evolution of Attitudes to Risk: Lottery Tickets and Relative Wealth."

Law, Risk and Risk Management Conference, at UC Berkeley (1996), “A Biological Basis for Expected and Non-Expected Utility.”

Economic Science Association, Tucson, AZ (1996), “Risky Business: Sex and Selfing in an Unpredictable World.”

Econometric Society North American Winter Meetings, New Orleans (1997), “Adaptive Behavior, Idiosyncratic and Aggregate Risk.”

Canadian Economic Theory Conference, University of Toronto (1997), “Why Would Nature Give Individuals Utility Functions?”

Midwestern Economic Theory Conference, Northwestern University (1997), “Risky Business: Sex and Selfing in an Unpredictable World.”

Rationality in Game Theory and Utility Theory, Université de Caen (1997), “Why Would Nature Give Individuals Utility Functions?”

Warwick University Summer Research Workshop (1997), “Why Would Nature Give Individuals Utility Functions?”

Northwestern University Microeconomic Theory Workshop (1997), “Why Would Nature Give Individuals Utility Functions?”

Economic Science Association Meetings, Tucson, AZ (1997), “Why Would Nature Give Individuals Utility Functions?”

ELSE/ESRC Workshop on the Evolution of Utilities and Utility Functions, University College London (1997), “Why Would Nature Give Individuals Utility Functions?”

Society for Social Choice and Welfare Meetings, University of British Columbia (1998), “Why Would Nature Give Individuals Utility Functions?”

Evolutionary Models of Social and Economic Behavior, Penn State University (1999), “The Evolution of Rationality and the Red Queen.”

Summer Festival on Game Theory, State University of New York at Stony Brook (1999), “The Evolution of Rationality and the Red Queen.”

European Meeting of the Econometric Society, Santiago de Compostela, Spain (1999), “The Evolution of Rationality and the Red Queen.”

American Economic Association, Boston (2000), Organized Session on Evolution and Economics, Presented “The Evolution of Rationality and the Red Queen.”

First World Congress on Game Theory, Bilboa, Spain (2000) “Imitation, Group Selection and Cooperation.”

Evolutionary Game Theory Conference at Odense, Denmark (2000) “Imitation, Group Selection and Cooperation.”

Canadian Economic Theory Conference, University of Toronto (2002) “A Simple Proof of the Harsanyi Purification Theorem.”

Canadian Economics Association, University of Calgary (2002), State of the Art Address, “Economics and Biology.”

Summer Festival on Game Theory, State University of New York at Stony Brook (2002), Plenary Address, “Reinterpreting Mixed Strategy Equilibria: A Unification of the Classical and Bayesian Views.”

Conference on Evolutionary Models of Economic and Social Behavior, Pennsylvania State University (2003), “A ‘Bioeconomic’ View of the Neolithic and Recent Demographic Transitions.”

Canadian Economic Theory Conference, University of British Columbia (2003), “A ‘Bioeconomic’ View of the Neolithic and Recent Demographic Transitions.”

European Summer Symposium in Economic Theory, Gerzensee Switzerland (2003), Organized Focus Session on Biology and Economics, Presented “A ‘Bioeconomic’ View of the Neolithic and Recent Demographic Transitions.”

Advances in Economics and Biology Conference, University of Toulouse (2004), “A ‘Bioeconomic’ View of the Neolithic and Recent Demographic Transitions.”

Second World Congress of the Game Theory Society, Marseille (2004), Invited Speaker “Reinterpreting Mixed Strategy Equilibria: A Unification of the Classical and Bayesian Views.”

Workshop on Vital Age-Trajectories, Max Planck Institute for Demographic Research, Rostock (2004), “Why We Grow Large and then Grow Old: Economics, Biology and Mortality.”

Workshop on Mathematical and Statistical Models in the Biodemography of Aging, University of California at Berkeley (2005), “Why We Grow Large and then Grow Old: Economics, Biology, and Mortality.”

Keynote Speaker, Workshop on Heterogeneous Interacting Agents, University of Essex (2005), “Why We Grow Large and then Grow Old: Economics, Biology, and Mortality.”

North American Summer Meetings of the Econometric Society, Minneapolis (2006), “Why We Grow Large and then Grow Old: Economics, Biology, and Mortality.”

Workshop on the Evolutionary Demography of Aging, Duke University (2006), “Why We Grow Large and then Grow Old: Economics, Biology, and

Mortality.”

American Economics Association, Winter Meetings, Chicago (2007), co-organized session on “Biological Evolution and Economics,” presented “Why Do We Die? Economics, Biology, and Aging.”

Conference on Evolution and Games, Institute for Advanced Studies, Hebrew University (2007), “The Evolution of Impatience with Aggregate Uncertainty”

Canadian Economic Theory Conference, University of Montreal (2007), “The Evolution of Impatience with Aggregate Uncertainty”

Participant in Ernst Strüngman Forum, “Better than Conscious” Frankfurt (2007)

North American Summer Meetings of the Econometric Society, Duke University (2007), “The Evolution of Impatience with Aggregate Uncertainty”

Festschrift for Ehud Kalai, Center for Rationality, Hebrew University (2007), “The Evolution of Impatience with Aggregate Uncertainty”

Canadian Institute for Advanced Research, Calgary (2008) “The Biological Basis of Economic Preferences”

Econometric Society Australasian Meetings, Wellington (2008) “The Evolution of Impatience with Aggregate Uncertainty.”

Econometric Society San Francisco (2009) “The Evolution of Decision and Experienced Utility”

Santa Fe Institute Workshop *Emergence of Hierarchy and Inequality* (2009) “Notes on Status, Saving and Risk”

American Economic Association Winter Meetings Atlanta (2010) “A Bioeconomic View of the Neolithic Transition to Agriculture”

CEME/NSF Decentralization Conference Dublin, Canadian Economic Theory Conference Montreal, Cowles Foundation Economic Theory Summer Conference Yale, and World Congress of the Econometric Society, Shanghai (2010) “Status, Intertemporal Choice, and Risk-Taking”

Workshop *Optimization in Biology and Economics* University of Paris (2010) “The Evolutionary Basis of Time Preference”

CESifo Summer Institute, *Ethics and Economics*, Keynote Speaker, Venice (2010) “Evolution and Economics: Time Preference”

Summer Workshop on Economic Theory, UBC (2010) “Status, Intertemporal Choice, and Risk-Taking”

SITE *Psychology and Economics* Stanford University (2010) “The Evolution of Decision and Experienced Utility”

American Economics Association Annual Meeting, Denver (2011) “Status, Intertemporal Choice, and Risk-Taking”

Workshop *Risk and Theories of Agency* Centre for the Economic Analysis of Risk, Georgia State University (2011) “Status, Intertemporal Choice, and Risk-Taking”

Conference *New Challenges for Economic Decision-Making: Biology, Neuroscience and Economic Models* University of Southern California (2011) “The Evolution of the Theory of Mind”

Workshop *Strategic Interaction in Humans and Other Animals* Konrad Lorenz Institute, Altenberg, Austria (2011) “The Evolution of the Theory of Mind”

Workshop *The Evolution and Consequences of Social Preferences* University of Vienna (2011) “Status, Intertemporal Choice, and Risk-Taking”

Southwest Economic Theory Conference, UCSD (2012), Keynote Speaker “The Evolution of Utility”

Conference *The Biological Basis of Economic Preferences and Behavior*, Becker Friedman Institute (2012) “The Evolution of the Theory of Mind”

Conference *Biology and Economics* Toulouse School of Economics (2013) “A Biological Theory of Public Discounting”

Conference *The Significance of Evolution for Understanding the Economy – Perspectives from Anthropology, Biology, and Economics* Max Plank Society, Ringberg Castle (2013) “The Evolution of Theory of Mind: Theory and Experiments”

Workshop in Microeconomic Theory, University of Cambridge-INET Institute (2014) “The Evolution of Theory of Mind”

Society for the Advancement of Economic Theory Conference Tokyo (2014) “The Evolution of Strategic Sophistication”

NSF/NBER/CEME GE Conference University of Wisconsin, Madison (2014) “The Evolution of Strategic Sophistication”

Workshop *The Biological Basis of Preferences and Strategic Behavior*, SFU (2015) “An Adapting Threshold Model of Utility”

John McMillan Memorial Lecture at the New Zealand Association of Economists Meeting, Wellington, NZ (2015) “The Biological Basis of Economics”

Conference *Economics and Biology of Contests* (2016) Queensland University of Technology “An Adapting Threshold Model of Utility”

Economic Theory Workshop, Warwick University (2016) “Rapidly Adaptive Hedonic Utility”

Fifth World Congress of the Game Theory Society, Maastricht, Semi-Plenary Address (2016) “Rapidly Adaptive Hedonic Utility”

Society for Neuroeconomics Conference, Berlin (2016) “Rapidly Adaptive Hedonic Utility”

Canada Seminar, Weatherhead Center, Harvard University (2017) “Neuroscience and Economics: Adaptive Hedonic Utility”

IMBS Workshop, University of California at Irvine, *The Formation of Beliefs* (2017) “Applying Theory of Mind: Theory and Experiments”

Workshop on Information Processing and Behavioral Variability, Columbia University (2017) “Adaptive Hedonic Utility”

Econometric Society Winter Meetings Philadelphia (2018) “Applying Theory of Mind: Theory and Experiments”.

Ph.D. Chief Supervisor:

University of Western Ontario, Completed—

Ngo van Quyen, “The Exploitation of a Nonrenewable Resource under Imperfect Competition,” July 1984.

Jacques Robert, “Three Essays on the Acquisition of Information,” June 1989.

Guo Ying Luo, “Evolutionary Models of Market Behavior,” April 1995.

Tilman Klumpp, “Essays in Game Theory and its Application to Political Economy and Finance,” September 2002.

Philippe Grégoire, “Cooperation, Disclosure in Stock Markets and Efficiency Wage,” September 2002.

Phil Curry, “Applications of Game Theory: Evolution and the Law,” September, 2003.

Simon Fraser University, Completed—

Bianjun Xia “Essays on Time Preference Anomalies, Intertemporal Choice, Insurance, and Status” December 2011

Nick Kasimatis (Robalino) “Papers in Economic Theory and the Biological Foundations of Economics” November 2015

Haiyun Chen “Essays on the Economics of Linguistic Diversity and Preference for Surprise” August 2017

SFU, In Progress—

Leanna Mitchell

Ph.D. Committee Member:

University of Western Ontario, Completed—

J. Barry Smith, “An Analysis of Optimal Replenishable Resource Management under Uncertainty,” March 1978.

Trien Nguyen, “General Equilibrium under Price Controls,” September 1981.

Murali Agastya, “Three Essays on Bargaining,” August 1993.

Cheng Wang, “Essays on Information Economics,” August 1994.

Rob Clark, “The Economics of Advertising for Established Products,” December 2002

Simon Fraser University, Completed—

Andreas Ludwig “

M.A. Chief Supervisor:

Simon Fraser University, Completed—

Nick Kasimatis “Markets: Bargaining and Complexity”

Research Grants:

SSHRC “Games with Strategic Timing,” 1987-1989, \$14,792.

SSHRC “Existence of Equilibrium in Infinite-Action Games,” with Phil Reny, 1990-1992, \$30,000.

SSHRC “Evolution of Utility,” 1992-1995, \$25,397.

SSHRC “Evolutionary Basis of Economic Behavior,” 1995-1998, \$53,000.

SSHRC “Biological Evolution of Economic Preferences,” 1998-2001, \$47,000.

Canada Council for the Arts Killam Research Fellowship, 2000-2001, \$164,800.

SSHRC “The Evolutionary Origin of Human Economic Characteristics,” 2001-2005, \$53,960.

Glenn Campbell Faculty Fellowship, 2000-2003, \$90,000.

Dean’s Grant, UWO, 2002-2003, \$3,000.

Canada Research Chair in Economic Theory and Evolution, 2003-2010. Overall Grant, \$1,400,000. Research Account, \$99,113. Renewed 2010-2017. Overall Grant \$1,400,000.

Dean’s Grant, 2003-2004, SFU, \$5,000.

President’s Research Grant, SFU, 2003-2005, \$9,950.

Consultant for “The Human Life Course and the Biodemography of Aging,” Principal Investigators Hillard Kaplan and Mike Gurven, US National Institute on Aging, 2004-2009, over \$2,500,000 US.

SSHRC “The Evolutionary Basis of Intertemporal Preferences,” 2008-2010, \$58,000.

SFU Community Trust Endowment Fund (CTEF) “Human Evolutionary Studies Program,” (with Mark Collard (Archaeology), Bernard Crespi (Biological Sciences), Greg Dow (Economics), Ian McCarthy (Business), Arne Mooers (Biological Sciences), and Pablo Nepomnaschy (Health Sciences)), 2011-2016, \$1,143,125.

John Simon Guggenheim Memorial Foundation Fellowship, 2012, \$35,000US.

SSHRC-SFU Small Grants Program, 2013-15, \$4,700.

SSHRC “Biological and Cultural Evolution of Preferences and Strategic Behavior” 2013-2018, \$159,625.