

ANDREW PAUL HENDRY

Born: March 24, 1968, Woodland, CA, USA
Citizenship: *Dual:* Canada; United States of America
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Academic positions:

1. McGill University, Redpath Museum, and Department of Biology.
Professor (2015–present), *Associate Prof.* (2007–2015), *Assistant Prof.* (2002–2007).
2. Univ. of Massachusetts Amherst, Organismic & Evolutionary Biology: 1999–2002.
Darwin postdoctoral fellow.
3. University of British Columbia, Department of Zoology: 1998–2000.
Natural Sciences and Engineering Research Council of Canada (NSERC) Postdoc.

Education:

1. Doctor of Philosophy, June 1998, School of Fisheries, University of Washington, WA
2. Master of Science, March 1995, School of Fisheries, University of Washington, WA
3. Bachelor of Science, June 1991, Department of Biology, University of Victoria, BC

Key awards and honors:

1. Leo Yaffe Award for Excellence in Teaching, Faculty of Science, McGill, 2017.
2. Miller Visiting Professor, University of California Berkeley, 2015-2016.
3. Principal's Prize for Excellence in Teaching, McGill University, 2015.
4. Tomlinson Science Award. Faculty of Science, McGill, 2011.
5. E.W.R. Steacie Memorial Fellowship, NSERC, 2009.
6. American Society of Naturalists, Young Investigator Prize, 2001.

Research grants – current: (Previous grants at end of CV):

1. NSERC CREATE, 2015-2021: *Biodiversity, ecosystem services, and sustainability*. Total from NSERC: \$1,650,000 CAD. Matching from other sources: +\$874,000 CAD. (PI)
2. National Science Foundation (NSF), Evolutionary Genetics, 2015-2018: *Collaborative Research: Is (non)parallel evolution driven by (non)parallel selection?* Total: \$ 1,026,426 USD (Senior personnel)
3. FQRNT Team Grant, 2015-2018. *Incorporating evolution into invasion biology: native species resilience in the face of exotic invasion*. Total: \$144,000 CAD. (co-applicant)
4. NSERC Discovery Grant, 2013-2018: *Eco-evolutionary dynamics*. Total: \$210,000 CAD. (PI)

Professional societies – lifetime membership: Canadian Society for Ecology and Evolution, Society for the Study of Evolution, American Society of Naturalists

Administration, scientific committees, and editorial boards:

1. *NSERC CREATE Biodiversity, Ecosystem Services & Sustainability*. Director: 2015-now.
2. *Canadian Institute for Ecology and Evolution*. Management Board: 2011-now.
3. *Biological Invasions*. Associated Editor: 2015-now.
4. *The Year in Evolutionary Biology*. Editorial Board Member: 2012-now.
5. *Evolutionary Ecology Research*. Associate Editor: 2004-now.
6. *Evolutionary Applications*. Associate Editor: 2006-now.
7. *McGill Neotropical Environment Graduate Option*. Director: 2007-2009, 2011-2015.
8. *DIVERSITAS core project "bioGENESIS"*. Scientific Committee: 2007-2014.
9. *Canadian Society for Ecology and Evolution*. Council member: 2008-2011.
10. *Evolution*. Associate Editor: 2012-2014.
11. *Evolutionary Ecology*. Associate Editor: 2009-2011.
12. *Journal of Evolutionary Biology*. Reviewing Editor: 2004-2008.

Some keynote addresses:

1. Darwin Day, University of Oslo, Norway (2017)
2. Ecological Integration Symposium, Texas A&M University, College Station, TX (2014)
3. Netherlands Annual Ecology Meeting, Lunteren, Netherlands (2012)
4. Eminent Scholars Series, Lakehead Univ., Thunder Bay, Ontario (2012)
5. Chemical and Biological Centre (KBC Days), Umeå, Sweden (2011)
6. Stickleback Behavior & Evolution, Fisheries Society of British Isles, Leicester, UK (2009)
7. J.C. Stevenson Memorial Lecture, Canadian Conference for Fisheries Research (2008)
8. Centre for Ecological & Evolutionary Synthesis, Norwegian Academy of Science (2006)

Teaching at McGill:

1. BIOL 111 (Introductory Biology) ~ 550 students. 2007, 2011–2014, 2016.
2. BIOL 305 (Animal Diversity) ~ 70 students. 2005–2008, 2010–2015, 2017.
3. BIOL 594 (Evolutionary Ecology) ~ 6-15 students. 2003, 2005, 2007, 2011, 2013, 2016.
4. BIOL 304 (Evolution) ~ 160 students. 2005–2007, 2016.
5. BIOL 373 (Biostatistical Analysis) ~ 140 students. 2002–2004.
6. BIOL 202 (Basic Genetics) ~ 795 students. 2012.
7. BIOL 331 (Ecology and Behaviour Field Course) – 14-19 students. 2004, 2012.
8. BIOL 334 (Applied Tropical Ecology) – 14-21 students. 2003, 2005.

Publications (books):

1. Hendry, A.P. 2017. *Eco-Evolutionary Dynamics*. Princeton University Press, Princeton, NJ. 416 pp.
2. Hendry, A.P., and S.C. Stearns (Editors). 2004. *Evolution Illuminated: Salmon and Their Relatives*. Oxford University Press, Oxford, UK. 510 pp.

Publications (journal special issues):

1. Hendry, A.P., and D.M. Green. 2017. Eco-evolutionary dynamics in cold blood. *Copeia*. In press.
2. Gotanda, K.M., A.P. Hendry, and E.I. Svensson. 2017. Human influences on evolution, and the ecological and societal consequences. *Philosophical Transactions of the Royal Society B. Biological Sciences* vol. 372, issue 1712.
3. Hendry, A.P., and C.L. Peichel. 2016. Stickleback behavior and evolution: contributions from the eight international conference. *Evolutionary Ecology Research* 17:141-617.
4. Merilä, J., and A.P. Hendry. 2014. Climate change, evolution, and phenotypic plasticity. *Evolutionary Applications* 7:1-191.
5. Hendry, A.P., and C.L. Peichel. 2013. Stickleback behavior and evolution: contributions from the seventh international conference. *Evolutionary Ecology Research* 15:111-502.
6. Meszéna, G., and A.P. Hendry. 2012. Niche theory and speciation. *Evolutionary Ecology Research* 14:361-665.
7. Elias, M., R. Faria, Z. Gompert, and A.P. Hendry. 2012. Ecological speciation. *International Journal of Ecology* 2012:1-237.
<http://www.hindawi.com/journals/ijeco/2011/si.esp/>
8. Pelletier, F., D. Garant, and A.P. Hendry (Editors). 2009. Eco-evolutionary dynamics. *Philosophical Transactions of the Royal Society B. Biological Sciences* 364:1483-1640.
9. Hendry, A.P., and R. Waples (Editors). 2008. Evolutionary perspectives on salmonid conservation and management. *Evolutionary Applications* 1:183-423.
10. Hendry, A.P., S.P. Carroll, and D.N. Reznick (Editors). 2007. Evolution on ecological time scales. *Functional Ecology* 21:387-477.
11. Hendry, A.P., and M.T. Kinnison (Editors). 2001. Microevolution: Rate, Pattern, Process. *Genetica* 112/113:1-534. Also published as a book in the *Contemporary Issues in Genetics and Evolution* series.

Publications (full journal papers here; notes/letters/reviews/chapters below):

1. Thompson, C.J., N.I. Ahmed, T. Veen, C.L. Peichel, A.P. Hendry, D.I. Bolnick, and Y.E. Stuart. Many-to-one form-to-function mapping weakens parallel evolution. *Evolution*. In press.
2. Hanson, D., J. Hu, A.P. Hendry, and R.D.H. Barrett. Heritable gene expression differences between lake and stream stickleback include both parallel and anti-parallel components. *Heredity*. In press.
3. Hendry, A.P., and D.M. Green. Eco-evolutionary dynamics in cold blood. *Copeia*. In press.
4. Pérez-Jvostov, F., A.P. Hendry, G.F. Fussmann, and M.E. Scott. 2017. Experimental assessment in nature of the ecological effects of a specialist parasite. *Copeia*. In press.
5. Gordon, S.P., A.P. Hendry, and D. Reznick. 2017. Predator-induced contemporary evolution, phenotypic plasticity, and the evolution of reaction norms in guppies. *Copeia*. In press.
6. Alberti, M., C. Correa, J. Marzluff, A.P. Hendry, E.P. Palkovacs, K. Gotanda, V.M. Hunt, T.M. Apgar, and Y. Zhou. 2017. Global urban signatures of phenotypic change in animal and plant populations. *Proceedings of the National Academy of Sciences USA*. In press.
7. Stuart, Y.E., T. Veen, J.N. Weber, D. Hanson, M. Ravinet, B.K. Lohman, C.J. Thompson, T. Tasneem, A. Doggett, R. Izen, N. Ahmed, R.D.H. Barrett, A.P. Hendry, C.L. Peichel, and D.I. Bolnick. 2017. Contrasting effects of environment and genetics generate a predictable continuum of parallel evolution. *Nature Ecology and Evolution* 1:0158.
8. Oke, K.B., G. Rolshausen, C. LeBlond, and A.P. Hendry. 2017. How parallel is parallel evolution? A comparative analysis in fishes. *American Naturalist* 190:1-16.
9. Carvajal-Endara, S., A.P. Hendry, N. Emery, and T.J. Davies. 2017. Habitat filtering not dispersal limitation shapes oceanic island floras: species assembly of the Galápagos archipelago. *Ecology Letters* 20:495-504.
10. Mimura, M., T. Yahara, D.P. Faith, E. Vázquez-Domínguez, R. I. Colautti, H. Araki, F. Javadi, J. Núñez-Farfán, A.S. Mori, S. Zhou, P.M. Hollingsworth, L.E. Neaves, Y. Fukano, G.F. Smith, Y.-I. Sato, H. Tachida, and A.P. Hendry. 2017. Understanding and monitoring the consequences of human impacts on intraspecific variation. *Evolutionary Applications* 10:121-139.
11. Jacquin, L., C. Dybwad, G. Rolshausen, A.P. Hendry, and S.M. Reader. 2017. Evolutionary and immediate effects of crude-oil pollution: depression of exploratory behaviour across populations of Trinidadian guppies. *Animal Cognition* 20:97-108.

12. Hendry, A.P., K.M. Gotanda, and E.I. Svensson. 2017. Human influences on evolution, and the ecological and societal consequences. *Philosophical Transactions of the Royal Society B. Biological Sciences* 372:20160028
13. Urban, M.C., G. Bocedi, A.P. Hendry, J.-B. Mihoub, G. Pe'er, A. Singer, J.R. Bridle, L.G. Crozier, L. De Meester, W. Godsoe, A. Gonzalez, J.J. Hellmann, R.D. Holt, A. Huth, K. Johst, C.B. Krug, P.W. Leadley, S.C.F. Palmer, J.H. Pantel, A. Schmitz, P.A. Zollner, and J.M.J. Travis. 2016. Improving the forecast for biodiversity under climate change. *Science* 353:1113 & aad8466:1-9.
14. Hendry, A.P., and C.L. Peichel. 2016. Are conference special issues worthwhile. *Evolutionary Ecology Research* 17:141-155.
15. Hanson, D., J.-S. Moore, E.B. Taylor, R.D.H. Barrett, and A.P. Hendry. 2016. Assessing reproductive isolation using a contact zone between parapatric lake-stream stickleback ecotypes. *Journal of Evolutionary Biology* 29:2491-2501.
16. Gauthey, Z., A.P. Hendry, A. Eloegi, C. Tentelier, and J. Labonne. 2016. The context dependence of assortative mating: a demonstration with conspecific salmonid populations. *Journal of Evolutionary Biology* 29:1827-1835.
17. Chaves, J.A., E.A. Cooper, A.P. Hendry, J. Podos, L.F. De León, J.A.M. Raeymaekers, W. O. McMillan, and J. A. C. Uy. 2016. Genomic variation at the tips of the adaptive radiation of Darwin's finches. *Molecular Ecology* 25:5282-5295.
18. Jacquin, L., S. M. Reader, A. Boniface, J. Mateluna, I. Patalas, F. Pérez-Jvostov, and A.P. Hendry. 2016. Parallel and non-parallel behavioural evolution in response to parasitism and predation in Trinidadian guppies. *Journal of Evolutionary Biology* 29:1406-1422.
19. Pérez-Jvostov, F., A.P. Hendry, G.F. Fussmann, and M.E. Scott. 2016. An experimental test of antagonistic effects of competition and parasitism on host performance in semi-natural mesocosms. *Oikos* 125:790-796.
20. Labonne, J., R. Kaeuffer, F. Guéraud, M. Zhou, A. Manicki, and A.P. Hendry. 2016. From the bare minimum: genetics and selection in populations founded by only a few parents. *Evolutionary Ecology Research* 17:21-34.
21. Oke, K.B., M. Bukhari, R. Kaeuffer, G. Rolshausen, K. Räsänen, D.I. Bolnick, C.L. Peichel, and A.P. Hendry. 2016. Does plasticity enhance or dampen phenotypic parallelism? A test with three lake-stream stickleback pairs. *Journal of Evolutionary Biology* 29:126-143.
22. Hanson, D., R.D.H. Barrett, and A.P. Hendry. 2016. Testing for parallel allochronic isolation in lake-stream stickleback. *Journal of Evolutionary Biology* 29:47-57.

23. Dargent, F., G. Rolshausen, A.P. Hendry, M.E. Scott, and G.F. Fussmann. 2016. Parting ways: parasite release in nature leads to sex-specific evolution of defense. *Journal of Evolutionary Biology* 29:23–34.
24. Hendry, A.P. 2016. Key questions on the role of phenotypic plasticity in eco-evolutionary dynamics. *Journal of Heredity* 107:25–41.
25. Kinnison, M.T., N. G. Hairston Jr., and A.P. Hendry. 2015. Cryptic eco-evolutionary dynamics. *Annals of the New York Academy of Sciences* 1360:120–144.
26. Rolshausen, G., D.A.T. Phillip, D.M. Beckles, A. Akbari, S. Ghoshal, P.B. Hamilton, C.R. Tyler, A.G. Scarlett, I. Ramnarine, P. Bentzen, and A.P. Hendry. 2015. Do stressful conditions make adaptation difficult? Guppies in the oil-polluted environments of southern Trinidad. *Evolutionary Applications* 8:854-870.
27. Rolshausen, G., S. Muttalib, R. Kaeuffer, K. B. Oke, D. Hanson, and A.P. Hendry. 2015. When maladaptive gene flow does not increase selection. *Evolution* 69:2289-2302.
28. Gras, R., A. Golestani, M. Cristescu, and A.P. Hendry. 2015. Speciation without pre-defined fitness functions. *PLoS ONE* 10:e0137838.
29. Frankel, V.M., A.P. Hendry, G. Rolshausen, and M.E. Torchin. 2015. Host preference of an introduced ‘generalist’ parasite for a non-native host. *International Journal of Parasitology* 45:703-709.
30. Gotanda, K.M., C. Correa, M.M. Turcotte, G. Rolshausen, and A.P. Hendry. 2015. Linking macro-trends and micro-rates: Re-evaluating microevolutionary support for Cope’s rule. *Evolution* 69:1345–1354.
31. Pérez-Jvostov, F., A.P. Hendry, G.F. Fussmann, and M.E. Scott. 2015. Testing for local host-parasite adaptation: an experiment with *Gyrodactylus* ectoparasites and guppy hosts. *International Journal of Parasitology* 45:409–417.
32. Farkas, T.E., A.P. Hendry, P. Nosil, and A.P. Beckerman. 2015. How maladaptation can structure biodiversity: Eco-evolutionary island biogeography. *Trends in Ecology and Evolution* 30:154–160.
33. Haller, B.C., J.M. de Vos, B. Keller, A.P. Hendry, and E. Conti. 2014. A tale of two morphs: Modeling pollen transfer, magic traits, and reproductive isolation in parapatry. *PLoS ONE* 9:e106512.
34. Roesti, M., S. Gavrillets, A.P. Hendry, W. Salzburger, and D. Berner. 2014. The genomic signature of parallel adaptation from shared genetic variation. *Molecular Ecology* 23:3944-3956.

35. De León, L.F., J. Podos, T. Gardezi, A. Herrel, and A.P. Hendry. 2014. Darwin's finches and their diet niches: the sympatric co-existence of imperfect generalists. *Journal of Evolutionary Biology* 27:1093-1104.
36. Gotanda, K.M., and A.P. Hendry. 2014. Using adaptive traits to consider potential consequences of temporal variation in selection: male guppy colour through time and space. *Biological Journal of the Linnean Society* 112:108-122.
37. Räsänen, K., and A.P. Hendry. 2014. Asymmetric reproductive barriers and mosaic reproductive isolation: insights from Misty lake-stream stickleback. *Ecology and Evolution* 4:1166-1175.
38. Haller, B.C., and A.P. Hendry. 2014. Solving the paradox of stasis: squashed stabilizing selection and the limits of detection. *Evolution* 68:483-500.
39. Feldheim, K.A., S.H. Gruber, J.D. DiBattista, E.A. Babcock, S.A. Kessel, A.P. Hendry, E.K. Pikitch, M.V. Ashley, and D.D. Chapman. 2014. Two decades of genetic profiling yields first evidence of natal philopatry and long-term fidelity to parturition sites in sharks. *Molecular Ecology* 23:111-117.
40. Merilä, J., and A.P. Hendry. 2014. Climate change, evolution, and phenotypic plasticity: the problem and the evidence. *Evolutionary Applications* 7:1-14.
41. Hendry, A.P., R. Kaeuffer, E. Crispo, C.L. Peichel, and D.I. Bolnick. 2013. Evolutionary inferences from the analysis of exchangeability. *Evolution* 67:3429-3441.
42. Hendry, A.P. 2013. Key questions in the genetics and genomics of eco-evolutionary dynamics. *Heredity* 111:456-466.
43. Dargent, F., M.E. Scott, A.P. Hendry, and G.F. Fussmann. 2013. Experimental elimination of parasites in nature leads to the evolution of increased resistance in hosts. *Proceedings of the Royal Society B. Biological Sciences* 280: 20132371.
44. Derry, A.M., A.M. Kestrup, and A.P. Hendry. 2013. Possible influences of plasticity and genetic/maternal effects on species co-existence: native *Gammarus fasciatus* (Amphipoda) facing exotic amphipods. *Functional Ecology* 27:1212-1223.
45. Hendry, A.P., C.L. Peichel, B. Matthews, J.W. Boughman, and P. Nosil. 2013. Stickleback research: the now and the next. *Evolutionary Ecology Research* 15:111-141.
46. Hendry, A.P., A.S. Hendry, and C.A. Hendry. 2013. Hendry vineyard stickleback: testing for contemporary lake-stream divergence. *Evolutionary Ecology Research* 15:343-359.

47. Baker, J.A., K. Räsänen, J.-S. Moore, and A.P. Hendry. 2013. Genetic and plastic contributions to trait divergence between parapatric habitats: female life-history traits in threespine stickleback from the Misty Lake system. *Evolutionary Ecology Research* 15:473-487.
48. Gotanda, K.M., L.C. DeLaire, J.A.M. Raeymaekers, F. Pérez-Jvostov, F. Dargent, P. Bentzen, M.E. Scott, G.F. Fussmann, and A.P. Hendry. 2013. Adding parasites to the guppy-predation story: insights from field surveys. *Oecologia* 172:155-166.
49. De León, L.F., G. Rolshausen, E. Bermingham, J. Podos, and A.P. Hendry. 2012. Individual specialization and the seeds of adaptive radiation in Darwin's finches. *Evolutionary Ecology Research* 14:365-380.
50. Pérez-Jvostov, F., A.P. Hendry, G.F. Fussmann, and M.E. Scott. 2012. Are host-parasite interactions influenced by adaptation to predators? A test with guppies and *Gyrodactylus* in experimental stream channels. *Oecologia* 170:77-88.
51. Correa, C., A. Bravo, and A.P. Hendry. 2012. Reciprocal trophic niche shifts in native and invasive fish: salmonids and galaxiids in Patagonian lakes. *Freshwater Biology* 57:1769-1781.
52. Millar, N.P., and A.P. Hendry. 2012. Population divergence of private and non-private signals in wild guppies. *Environmental Biology of Fishes* 94:513-525.
53. Roesti, M., A.P. Hendry, W. Salzburger, and D. Berner. 2012. Genome divergence during evolutionary diversification as revealed in replicate lake-stream stickleback population pairs. *Molecular Ecology* 21:2852-2862.
54. Correa, C., and A.P. Hendry. 2012. Invasive salmonids and lake order interact in the decline of puye grande *Galaxias platei* in western Patagonia lakes. *Ecological Applications* 22:828-842.
55. Räsänen, K., M. Delcourt, L.J. Chapman, and A.P. Hendry. 2012. Divergent selection and then what not: the conundrum of missing reproductive isolation in Misty lake and stream stickleback. *International Journal of Ecology* Article ID 902438.
doi:10.1155/2012/902438
56. Palkovacs, E.P., M.T. Kinnison, C. Correa, C.M. Dalton, and A.P. Hendry. 2012. Fates beyond traits: ecological consequences of human-induced trait change. *Evolutionary Applications* 5:183-191.
57. Kaeuffer, R., C.L. Peichel, D.I. Bolnick, and A.P. Hendry. 2012. Parallel and non-parallel aspects of ecological, phenotypic, and genetic divergence across replicate population pairs of lake and stream stickleback. *Evolution* 66:402-418.

58. McKellar, A.E., and A.P. Hendry. 2011. Environmental factors influencing adult sex ratio in *Poecilia reticulata*: laboratory experiments. *Journal of Fish Biology* 79:937-953.
59. Easty, L.K., A.K. Schwartz, S.P. Gordon, and A.P. Hendry. 2011. Does sexual selection evolve following introduction to new environments? *Animal Behavior* 82:1085-1095.
60. Thibert-Plante, X., and A.P. Hendry. 2011. Factors influencing progress toward sympatric speciation. *Journal of Evolutionary Biology* 24:2186-2196.
61. Berner, D., R. Kaeuffer, A.-C. Grandchamp, J.A.M. Raeymaekers, K. Räsänen, and A.P. Hendry. 2011. Quantitative genetic inheritance of morphological divergence in a lake-stream stickleback ecotype pair: implications for reproductive isolation. *Journal of Evolutionary Biology* 24:1975-1983.
62. De León, L.F., J.A.M. Raeymaekers, E. Bermingham, J. Podos, A. Herrel, and A.P. Hendry. 2011. Exploring possible human influences on the evolution of Darwin's finches. *Evolution* 65:2258-2272.
63. van der Sluijs, I., S.M. Gray, M.C.P. Amorim, I. Barber, U. Candolin, A.P. Hendry, R. Krahe, M.E. Maan, A.C. Utne-Palm, H.-J. Wagner, and B.B.M. Wong. 2011. Communication in troubled waters: responses of fish communication systems to changing environments. *Evolutionary Ecology* 25:623-640.
64. Thibert-Plante, X., and A.P. Hendry. 2011. The consequences of phenotypic plasticity for ecological speciation. *Journal of Evolutionary Biology* 24:326-342.
65. Weese, D.J., A.K. Schwartz, P. Bentzen, A.P. Hendry, and M.T. Kinnison. 2011. Eco-evolutionary effects on population recovery following catastrophic disturbance. *Evolutionary Applications* 4:354-366.
66. Hendry, A.P., M.T. Kinnison, M. Heino, T. Day, T.B. Smith, G. Fitt, C. T. Bergstrom, J. Oakeshott, P.S. Jørgensen, M.P. Zalucki, G. Gilchrist, S. Southerton, A. Sih, S. Strauss, R.F. Denison, and S.P. Carroll. 2011. Evolutionary principles and their practical application. *Evolutionary Applications* 4:159-183.
67. Carlson, S.M., T.P. Quinn, and A.P. Hendry. 2011. Eco-evolutionary dynamics in Pacific salmon. *Heredity* 106:438-447.
68. Hendry, A.P., K. Hudson, J.A. Walker, K. Räsänen, and L. Chapman. 2011. Genetic divergence in morphology-performance mapping between Misty Lake and inlet stickleback. *Journal of Evolutionary Biology* 24:23-35.
69. DiBattista, J.D., K.A. Feldheim, D. Garant, S.H. Gruber, and A.P. Hendry. 2011. Anthropogenic disturbance and evolutionary parameters: a lemon shark population experiencing habitat loss. *Evolutionary Applications* 4:1-17.

70. Schwartz, A.K., D.J. Weese, P. Bentzen, M.T. Kinnison, and A.P. Hendry. 2010. Both geography and ecology contribute to mating isolation in guppies. *PLoS ONE* 5:e15659.
71. Raeymaekers, J.A.M., M. Boisjoly, L. Delaire, D. Berner, K. Räsänen, and A.P. Hendry. 2010. Testing for mating isolation between ecotypes: laboratory experiments with lake, stream, and hybrid stickleback. *Journal of Evolutionary Biology* 23:2694-2798.
72. Berner, D., M. Roesti, A.P. Hendry, and W. Salzburger. 2010. Constraints on speciation suggested by comparing lake-stream stickleback divergence across two continents. *Molecular Ecology* 19:4963-4978.
73. Faith, D.P., S. Magallón, A.P. Hendry, E. Conti, T. Yahara, and M.J. Donoghue. 2010. Ecosystem services: an evolutionary perspective on the links between biodiversity and human well-being. *Current Opinion in Environmental Sustainability* 2:66-74.
74. Thibert-Plante, X., and A.P. Hendry. 2010. When can ecological speciation be detected with neutral loci? *Molecular Ecology* 19:2301-2314.
75. Labonne, J., and A.P. Hendry. 2010. Natural selection giveth and taketh away reproductive barriers: models of population divergence in guppies. *American Naturalist* 176:26-39.
76. Weese, D., S. Gordon, A.P. Hendry, and M.T. Kinnison. 2010. Spatiotemporal variation in linear natural selection on body color in wild guppies (*Poecilia reticulata*). *Evolution* 64:1802-1815.
77. Hendry, A.P., L.G. Lohmann, E. Conti, J. Cracraft, K.A. Crandall, D.P. Faith, C. Häuser, C.A. Joly, K. Kogure, A. Larigauderie, S. Magallón, C. Moritz, S. Tillier, R. Zardoya, A.-H. Prieur-Richard, B.A. Walther, T. Yahara, and M.J. Donoghue. 2010. Evolutionary biology in biodiversity science, conservation, and policy: a call to action. *Evolution* 64:1517-1528.
78. De León, L.F., E. Bermingham, J. Podos, and A.P. Hendry. 2010. Divergence with gene flow as facilitated by ecological differences: within-island variation in Darwin's finches. *Philosophical Transactions of the Royal Society. B. Biological Sciences* 365:1041-1052.
79. Schwartz, A.K., and A.P. Hendry. 2010. Testing the influence of local forest canopy clearing on phenotypic variation in Trinidadian guppies. *Functional Ecology* 24:354-364.
80. Crispo, E., J.D. DiBattista, C. Correa, X. Thibert-Plante, A.E. McKellar, A.K. Schwartz, D. Berner, L.F. De León, and A.P. Hendry. 2010. The evolution of phenotypic plasticity in response to anthropogenic disturbance. *Evolutionary Ecology Research* 12:47-66.
81. Hendry, A.P., D.I. Bolnick, D. Berner, and C. L. Peichel. 2009. Along the speciation continuum in sticklebacks. *Journal of Fish Biology* 75:2000-2036. [A keynote address at the 2009 Stickleback Behaviour and Evolution meeting]

82. Raeymaekers, J.A.M., L. Delaire, and A.P. Hendry. 2009. Genetically-based differences in nest characteristics between lake, inlet, and hybrid threespine stickleback from the Misty system, British Columbia, Canada. *Evolutionary Ecology Research* 11:905-919.
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Publications (news & views, primer notes, letters, reviews, comments, reports, responses):

1. Faith, D.P., S. Magallón, A.P. Hendry, and M.J. Donoghue. 2017. Future benefits from contemporary ecosystem services. *Trends in Ecology and Evolution*. In press. [Comment]
2. Nusslé, S., A. P. Hendry, and S. M. Carlson. 2016. When does fisheries induced evolution matter? *Trends in Ecology and Evolution* 31:500-502. [Spotlight]
3. Dargent, F., M. E. Scott, A. P. Hendry, and G. F. Fussmann. 2014. Experimental evolution of parasite resistance in wild guppies: natural and multifarious selection. *Proceedings of the Royal Society B. Biological Sciences* 281:20141820. [Response]

4. Geeta, R., L.G. Lohmann, S. Magallón, D.P. Faith, A. Hendry, K. Crandall, L. De Meester, C.O. Webb, A.-H. Prieur-Richard, M. Mimura, E. Conti, J. Cracraft, F. Forest, C. Jaramillo, M. Donoghue, and T. Yahara. 2014. Biodiversity only makes sense in the light of evolution. *Journal of Bioscience* 39:1-5. [Clipboard]
5. Hendry, A.P. 2013. Eco-evolutionary dynamics: community consequences of (mal)adaptation. *Current Biology* 23:R869-R871. [Dispatch]
6. Meszéna, G., and A.P. Hendry. 2012. An introduction to niche theory and speciation. *Evolutionary Ecology Research* 14:361-363. [Introduction to special issue]
7. Elias, M., R. Faria, Z. Gompert, and A. Hendry. 2012 Factors influencing progress toward ecological speciation. *International Journal of Ecology* Article ID 235010. doi:10.1155/2012/235010. [Introduction to special issue]
8. Haller, B.C., L.F. De León, G. Rolshausen, K.M. Gotanda, and A.P. Hendry. 2012. Magic traits: distinguishing the important from the trivial. *Trends in Ecology and Evolution* 27:4-5. [Comment]
9. Hendry, A.P. 2010. A first date without getting to first base. *Ecology* 91:1559-1560. [Book review]
10. Palkovacs, E.P., and A.P. Hendry. 2010. Eco-evolutionary dynamics: intertwining ecological and evolutionary processes in contemporary time. *F1000 Biology Reports* 2:1 (doi:10.3410/B2-1)
11. Bailey, J.K., A.P. Hendry, M.T. Kinnison, D.M. Post, E.P. Palkovacs, F. Pelletier, L.J. Harmon, and J.A. Schweitzer. 2009. From genes to ecosystems: An emerging synthesis of eco-evolutionary dynamics. *New Phytologist* 184:746–749. [Meeting Report]
12. Hendry, A.P. 2009. Speciation. *Nature* 458:162-164. [Q&A]
13. Hendry, A.P. 2008. Darwin in the fossils. *Nature* 451:779-780. [News and Views]
14. Hendry, A.P. 2007. The Elvis paradox. *Nature* 446:147-150. [News and Views]
15. Skelly, D.K., L.N. Joseph, H.P. Possingham, L.K. Freidenburg, T.J. Farrugia, M.T. Kinnison, and A.P. Hendry. 2007. Evolutionary responses to climate change. *Conservation Biology* 21:1353-1355. [Comment]
16. Hendry, A.P. 2005. The power of natural selection. *Nature* 433:694-695. [News and Views]
17. Patterson, I.G., E. Crispo, M.T. Kinnison, A.P. Hendry, and P. Bentzen. 2005. Characterization of tetranucleotide microsatellite markers in the guppy (*Poecilia reticulata*). *Molecular Ecology Notes* 5:269-271. [Primer note]

18. Hendry, A.P. 2002. $Q_{ST} \geq \neq < F_{ST}$? *Trends in Ecology and Evolution* 17:502. [Comment]
19. Hendry, A.P., J.K. Wenburg, P. Bentzen, E. Volk, and T.P. Quinn. 2001. Examining evidence of reproductive isolation in sockeye salmon. *Science* 291:1853a. [Response]
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21. Hendry, A.P. 2001. Something fishy. *American Scientist* 89:293. [Letter]
22. Hendry, A.P., and M.T. Kinnison. 1998. Taking time with microevolution. *Trends in Ecology and Evolution* 13:76-77. [Comment]

Publications (book chapters):

1. Stockwell, C.A., M.T. Kinnison, A.P. Hendry, and J.A. Hamilton. 2016. Evolutionary restoration ecology. Pages 427-454 in M.A. Palmer, J.B. Zedler, and D.A. Falk (editors). *Foundations of restoration ecology*, 2nd Edition. Island Press, Washington, DC.
2. Barrett, R.D.H., and A.P. Hendry. 2012. Evolutionary rescue under environmental change? Pages 216-233 in U. Candolin and B.B.M. Wong (editors). *Behavioural responses to a changing world: mechanisms and consequences*. Oxford Univ. Press, Oxford, UK.
3. Hendry, A.P., V. Millien, A. Gonzalez, and H.C.E. Larsson. 2012. How humans influence evolution on adaptive landscapes. Pages 180-202 in E. Svensson and R. Calsbeek (editors). *The adaptive landscape in evolutionary biology*. Oxford Univ. Press, Oxford, UK.
4. Morbey, Y.E., and A.P. Hendry. 2008. Adaptation of salmonids to spawning habitat. Pages 15-36 in D.A. Sear and P. DeVries (editors). *Salmon spawning habitat in rivers: physical controls, biological responses, and approaches to remediation*. American Fisheries Society, Symposium 65, Bethesda.
5. Vergeer, P., N.J. Ouborg, and A.P. Hendry. 2008. Genetic considerations in introduction efforts. Pages 116-129 in S. Carroll and C. Fox (editors). *Conservation biology – evolution in action*. Oxford Univ. Press, Oxford, UK.
6. Podos, J., and A.P. Hendry. 2006. The biomechanics of ecological speciation. Pages 301-321 in A. Herrel, T. Speck, and N. Rowe (editors). *Ecology and biomechanics: a mechanical approach to the ecology of animals and plants*. Taylor and Francis, New York.
7. Stockwell, C.A., M.T. Kinnison, and A.P. Hendry. 2006. Evolutionary restoration ecology. Pages 113-137 in D. Falk, M. Palmer, and J. Zedler (editors). *Foundations of restoration ecology*. Island Press.

8. Huey, R.B., G.W. Gilchrist, and A.P. Hendry. 2005. Using invasive species to study evolution. Pages 139–164 in D.F. Sax, S.D. Gaines, and J.J. Stachowicz (editors). *Species invasions: insights to ecology, evolution and biogeography*. Sinauer Associates, Sunderland, MA.
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10. Kinnison, M.T., and A.P. Hendry. 2004. Tempo and mode in salmon evolution. Pages 208–231 in A.P. Hendry and S.C. Stearns (editors). *Evolution illuminated: salmon and their relatives*. Oxford Univ. Press, Oxford, UK.
11. Stearns, S.C., and A.P. Hendry. 2004. The salmonid contribution to key issues in evolution. Pages 3–19 in A.P. Hendry and S.C. Stearns (editors). *Evolution illuminated: salmon and their relatives*. Oxford Univ. Press, Oxford, UK.
12. Hendry, A.P., T. Bohlin, B. Jonsson, and O.K. Berg. 2004. To sea or not to sea: anadromy versus non-anadromy in salmonids. Pages 92–125 in A.P. Hendry and S.C. Stearns (editors). *Evolution illuminated: salmon and their relatives*. Oxford Univ. Press, Oxford, UK.
13. Hendry, A.P., V. Castric, M.T. Kinnison, and T.P. Quinn. 2004. The evolution of philopatry and dispersal: homing versus straying in salmonids. Pages 52–91 in A.P. Hendry and S.C. Stearns (editors). *Evolution illuminated: salmon and their relatives*. Oxford Univ. Press, Oxford, UK.

Symposia/workshops organized:

1. *Eco-evolutionary dynamics in cold blood*.
JMIH, New Orleans, LA, 2016.
- 9 oral presentations (organized with D. Green)
2. *(Mal)adaptation to stressful environments*.
CIEE/QCBS, Mt. St. Hilaire, 2015.
- 22 participants (organized with S. Brady, A. Derry, G. Fussmann, and R. Barrett)
3. *Ecological interactions and range evolution under climate change*.
DIVERSITAS, Mt. St. Hilaire, 2012.
- 20 participants (organized with A. Gonzalez, P. Leadley, and C. Krug)
4. *Eco-evolutionary dynamics*.
Evolution 2014, Ottawa, 2012.
- 6 oral presentations (organized with D. Schluter)
5. *Evolutionary diversification and the functioning of communities and ecosystems*.
Quebec Centre for Biodiversity Science, Mt. St. Hilaire, Quebec, 3 meetings, 2011-2012.
- 18 participants (organized with E. Palkovacs)
6. *Evolution: the past, present, and future of biodiversity*.
Open Science Conference II, DIVERSITAS, Cape Town, South Africa, Oct. 15, 2009
- 6 oral presentations (organized with M. Donoghue and S. Magallon)

7. *Eco-evolutionary dynamics*.
Ecological Society of America, August 2009
- 8 oral presentations (organized with E. Palkovacs)
8. *Linking Ecological and Evolutionary Dynamics*.
Centre for Population Biology, Imperial College, Sept. 17-19, 2008
- 14 oral presentations (organized with F. Pelletier and D. Garant)
9. *Evolution on Ecological Time Scales*.
Ecological Society of America and International Congress of Ecology, August 7-12, 2005.
- 9 oral presentations (organized with G. Fussmann and D. Réale)
10. *Growth Rate Variation in Salmonids: Consequences for Life History and Implications for Management* (www-heb.pac.dfo-mpo.gc.ca/congress/2000/variation/variation.htm).
International Congress on the Biology of Fishes, July 23-27, 2000.
- 30 oral presentations. (organized with B. Letcher and I. Fleming)
11. *Reproductive Success in Salmonids* (ww2.mcgill.ca/biology/faculty/hendry/RSSymp.html).
American Society of Ichthyologists and Herpetologists, June 28, 1999.
- 24 oral presentations. (organized with D. Hoysak)

Departmental/Institutional seminars:

1. Integrative Biology, Univ. of Guelph, Guelph, ON (2017)
2. Dept. of Biology, Carleton Univ., Ottawa, ON (2017)
3. Dept. of Biology, Case Western Reserve Univ., Cleveland, OH (2017)
4. Dept. of Zoology and Physiology, Univ. of Wyoming, Laramie, WY (2016)
5. Dept. of Biology, KU Leuven, Belgium (2016)
6. Leibniz Institute for Freshwater Biology and Inland Fisheries, Berlin, Germany (2016)
7. Ecology and Evolution Lunch, Stanford Univ., Stanford, CA (2016)
8. Ecology and Evolution Seminar, UC Davis, Davis, CA (2015)
9. Miller Institute, UC Berkeley, CA (2015)
10. Museum of Vertebrate Zoology, UC Berkeley, CA (2015)
11. Alberta Biodiversity Monitoring Institute, Edmonton, Alberta (2015)
12. Dept. of Biological Sciences, Univ. of Alberta, Edmonton, Alberta (2015)
13. Wildlife, Fisheries, and Conservation Biology, UC Berkeley, CA (2015)
14. Centre for Integrative Biodiversity (iDIV), Leipzig, Germany (2014)
15. Dept. of Ecology and Evolutionary Biology, UC Santa Cruz, Santa Cruz, CA (2014)
16. Dept. of Biological Sciences, NC State University, Raleigh, NC (2014) – two lectures.
17. Dept. of Biology, Concordia Univ., Montreal, Quebec (2013).
18. Division of Biology, Univ. Tennessee, Knoxville, Tennessee (2013)
19. Dept. of Biological Sciences, Purdue Univ. (2013) – two lectures.
20. Dept. of Biology, Norwegian Univ. of Science and Technology, Trondheim, Norway (2012).
21. Dept. of Biology, Lakehead Univ., Thunder Bay, Ontario (2012)
22. Dept. of Biology, Univ. of Western Ontario, London, Ontario (2012)
23. Dept. of Ecology and Evolutionary Biology, Univ. Connecticut, Storrs, CT (2011)
24. Dept. of Ecology and Environmental Science, Umeå, Sweden (2011).
25. Dept. of Animal Ecology, Uppsala Univ., Sweden (2011)
26. Dept. of Biology, Queen's University, Kingston, Ontario (2011)
27. Dept. of Biology, University of New Brunswick, Fredericton (2011)
28. Institute for Systematic Biology, University of Zurich, Zurich, Switzerland (2011)

29. Climate and Energy Institute, Yale University, New Haven, CT (2010)
30. Hopkin's Marine Laboratory, Stanford Univ., Monterey, CA (2010)
31. Dept. of Biology, Univ. of Victoria, Victoria, BC (2010)
32. Dept. of Ecology and Evolutionary Biology, University of Colorado, Boulder, CO (2009)
33. Dept. of Ecology, Lund Univ., Sweden (2009)
34. EAWAG, Kastanienbaum, Switzerland (2009)
35. EAWAG, Duebendorf, Switzerland (2009)
36. Cosmocaixa, Madrid, Spain (2009)
37. Dept. of Biology, Univ. of California, Riverside, CA (2009)
38. Dept. of Biological Sciences, Simon Fraser Univ., Vancouver (2009)
39. Dept. of Ecology and Evolutionary Biology, Tulane Univ., New Orleans, LA (2009)
40. Dept. of Envir. Science, Policy and Management, Univ. of California, Berkeley, CA (2009)
41. Dept. of Ecology and Evolution, Univ. of California, Santa Cruz, CA (2009)
42. Dept. of Biology, Univ. of California, Berkeley, CA (2008)
43. FAPESP, São Paulo, Brazil (2008)
44. Center for Ecology and Evolutionary Biology, Univ. of Oregon, Eugene, Or (2008)
45. Dept. of Ecology and Evolution, Univ. of California, Davis, CA (2008)
46. Dept. of Biological Sciences, Univ. of Winnipeg, MB (2008)
47. Dept. of Biology, Univ. de Québec á Montréal, QC (2007)
48. Ecology and Evolution Graduate Program. SUNY Stony Brook, NY (2007)
49. Great Lakes Institute for Environmental Research, Univ. of Windsor, ON (2007)
50. Dépt. de Biologie, Univ. Laval, Quebec City, QB (2007)
51. Dept. of Ecology and Evolutionary Biology, Yale Univ., New Haven, CT (2007)
52. Dept. of Biology, Univ. of Oslo, Oslo, Norway (2006) – *two talks*
53. Evolutionary Biology Centre, Uppsala Univ., Uppsala, Sweden (2006)
54. Dept. of Zoology, Univ. of Wyoming, Laramie, WY (2006)
55. Dept. of Ecology and Evolutionary Biology, Cornell Univ., Ithaca, NY (2006)
56. Cornell Laboratory of Ornithology, Cornell Univ., Ithaca, NY (2006)
57. Dept. of Biology, Concordia Univ., Montréal, QC (2006)
58. Dept. of Biological Sciences, Univ. of Calgary, Calgary, AB (2006)
59. Center for Population Biology, Univ. of California, Davis, CA (2006)
60. Dept. of Fisheries and Aquaculture, Malaspina University-College, Nanaimo, BC (2006)
61. Dept. of Fisheries and Oceans, Pacific Biological Station, Nanaimo, BC (2006)
62. GRECA. Université de Québec á Montréal, Montréal, QC (2006)
63. Natural Resource Sciences, MacDonald Campus, McGill University, Montréal, QC (2006)
64. Dept. of Zoology, Field Museum, Chicago, IL (2006)
65. Dept. of Biological Sciences, Washington Univ., MO (2006)
66. Dept. of Biology, Univ. de Sherbrooke, Sherbrooke, QC (2006)
67. Dept. of Zoology, Univ. of Toronto, Toronto, ON (2006) – *two talks*
68. Center for Population Biology, Univ. of California, Davis, CA (2005)
69. Dépt. de Sciences Biologiques, Univ. de Montréal, Montréal, QC (2005)
70. Dept. of Biology, Clark Univ., Worcester, MA (2004)
71. Dept. of Biology, Univ. de Québec á Montréal, QC (2004)
72. Dept. of Biology, Dalhousie Univ., Halifax, NS (2004) – *two talks*
73. Dept. of Ecology & Evolutionary Biology, Yale Univ., New Haven, CT (2004)
74. Dept. of Ecology, Evolution & Organismal Biol., Ohio State Univ., Columbus, OH (2003)

75. Dept. of Biology, Queen's Univ., Kingston, Ontario (2003)
76. Smithsonian Tropical Research Institute, Panama City, Panama (2003)
77. Redpath Museum, McGill Univ., Montréal, Québec (2003)
78. Dept. of Zoology, Oregon State Univ., Corvallis, OR (2002)
79. Dept. of Population Biology, Helsinki Univ., Helsinki, Finland (2002)
80. Dept. of Population Biology, Uppsala Univ., Uppsala, Sweden (2002)
81. Dept. of Biology, Concordia Univ., Montréal, Québec (2002)
82. Ecology and Evolution Graduate Program. SUNY Stony Brook, NY (2001)
83. National Marine Fisheries Service, NW Fisheries Science Center, Seattle, WA (2001)
84. Evolution Symposium, North Dakota State Univ., Fargo, ND (2001)
85. Institute of Ecology, Univ. of Georgia, Savannah, GA (2001)
86. Dept. of Biological Sciences, Univ. of Maine, Orono, ME (2001)
87. Dept. of Biological Sciences, Univ. of New Orleans, New Orleans, LA (2001)
88. Dept. of Biology, Univ. of North Carolina, Chapel Hill, NC (2001)
89. Dept. of Biology, McGill Univ., Montréal, Québec (2001)
90. Dept. of Biology, Amherst College, Amherst, MA (2001)
91. Dept. of Biology, Univ. of Texas, Arlington, TX (2000)
92. Dept. of Biology, Univ. of Pennsylvania, Philadelphia, PA (2000)
93. Division of Biology, Kansas State Univ., Manhattan, KS (2000)
94. Dept. of Zoology, Univ. of Toronto, Toronto, ON (2000)
95. Dépt. de Biologie, Univ. Laval, Quebec City, QB (2000)
96. Dept. of Fisheries and Wildlife, Utah State Univ., Logan, UT (2000)
97. Organismic and Evolutionary Biology Graduate Program, UMASS, Amherst, MA (1999)
98. Dept. of Zoology, Univ. of British Columbia, Vancouver, BC (1999)
99. Dept. of Zoology, Norwegian Univ. of Science and Tech., Trondheim, Norway (1999)
100. Dept. of Biological Sciences, Idaho State Univ., Pocatello, ID (1999)

Papers presented at national and international meetings:

1. Evolution 2017, Portland, OR (2017)
2. Canadian Society for Ecology and Evolution, Victoria, BC (2017)
3. Gordon Research Conference on Ocean Global Change Biology, Waterville, NH (2016)
4. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA (2016)
5. Eco-evolutionary dynamics in Galapagos, Monte Verita, Switzerland (2016)
6. American Society of Naturalists, Asilomar, CA (2016)
7. The Wildlife Society, Winnipeg, MB (2015)
8. Canadian Society for Ecology and Evolution, Saskatoon, SK (2015)
9. Stickleback Ecology, Behavior, and Evolution, Stony Brook, NY (2015)
10. American Genetics Association, Seattle, Washington (2014)
11. Canadian Society for Ecology and Evolution, Kelowna, Quebec (2013)
12. Japanese Genetics Society, Kyushu, Japan (2012)
13. Ecological Society of America, Portland, Oregon (2012)
14. Stickleback Behavior and Evolution, Bainbridge Island, Washington (2012)
15. Society for the Study of Evolution, Ottawa, Ontario (2012)
16. European Society for Evolutionary Biology, Tuebingen, Germany (2011)
17. Canadian Society for Ecology and Evolution, Banff, Alberta (2011)
18. Canadian Society for Ecology and Evolution, Laval, Quebec (2010)

19. Open Science Conference II, DIVERSITAS, Cape Town, South Africa (2009)
20. Evolutionary Ecology of Fishes, Berlin, Germany (2009)
21. Society for the Study of Evolution, Moscow, ID (2009)
22. Ecological Society of America, Albuquerque, NM (2009)
23. Canadian Society for Ecology and Evolution, Halifax, NS (2009)
24. National Academy of Sciences Symposium, Washington, DC (2009)
25. Ecological and Evolutionary Ethology of Fishes, Boston, MA (2008)
26. Society for the Study of Evolution, Minneapolis, MN (2008)
27. American Society of Ichthyologists and Herpetologists, Montréal, QC (2008)
28. Canadian Conference for Fisheries Research, Montréal, QC (2008)
29. Canadian Society for Ecology and Evolution, Vancouver, BC (2008)
30. Origins and Evolution of Organic Diversity, Hokkaido Univ., Sapporo, Japan (2007)
31. Evolutionary Change in Human Altered Environments, UCLA, CA (2007)
32. Canadian Conference for Fisheries Research, Montréal, QC (2007)
33. Canadian Society for Ecology and Evolution, Toronto, ON (2007)
34. Salmon and Evolution, National Marine Fisheries Service, Seattle, WA (2006)
35. International Congress on the Biology of Fishes, St. Johns, NFLD (2006)
36. Society for the Study of Evolution, Stony Brook, NY (2006)
37. Ecological Society of America, Montréal, QC (2005)
38. Society for the Study of Evolution, Fairbanks, AK (2005)
39. Society for the Study of Evolution, Fort Collins, CO (2004)
40. American Fisheries Society, Québec City, QC (2003)
41. Society for the Study of Evolution, Chico, CA (2003)
42. Ecological and Evolutionary Ethology of Fishes, Québec City, QC (2002)
43. International Society for Behavioral Ecology, Montréal, QC (2002)
44. Society for the Study of Evolution, Knoxville, TN (2001)
45. International Congress on the Biology of Fishes, Aberdeen, Scotland (2000)
46. American Society of Ichthyologists & Herpetologists, State College, PA (1999)
47. Society for the Study of Evolution, Madison, WI (1999)
48. Stickleback Behavior and Evolution, Vancouver, BC (1999)
49. American Fisheries Society, NPIC, Richmond, BC (1999)
50. American Fisheries Society, Hartford, CT (1998)
51. American Society of Ichthyologists & Herpetologists, Guelph, ON (1998)
52. Ecology and Evolutionary Ethology of Fishes, Seattle, WA (1998)
53. Society for the Study of Evolution, Vancouver, WA (1998)
54. American Fisheries Society, NPIC, Union, WA (1998)
55. Pacific Ecology Conference, Penticton, BC (1998)
56. American Fisheries Society, Monterey, CA (1997)
57. American Society of Ichthyologists & Herpetologists, Seattle, WA (1997)
58. American Society of Ichthyologists & Herpetologists, Edmonton, AB (1995)
59. Pacific Ecology Conference, Charleston, OR (1995)
60. Ecological and Evolutionary Ethology of Fishes, Victoria, BC (1994)
61. American Fisheries Society, NPIC, Wenatchee, WA (1994)
62. Pacific Ecology Conference, Bamfield, BC (1994)
63. Lake Washington Fisheries/Limnology Technical Workshop, Seattle, WA (1993)
64. American Fisheries Society, NPIC, Vancouver, BC (1993)

Reviewer for granting agencies: NSERC, NSF, EPSCOR, NGS, Austrian Research Council, National Science Centre Poland, Leverhulme Trust.

Reviewer for journals: Nature, Science, Proceedings of the National Academy of Sciences USA, Current Biology, Proceedings of the Royal Society of London B, American Naturalist, PLoS Biology, Evolution, Trends in Ecology and Evolution, Ecology, Ecology and Evolution, Ecology Letters, Nature Ecology and Evolution, Journal of Theoretical Biology, Journal of Evolutionary Biology, Genetics, Biology Letters, BioEssays, New Phytologist, Evolutionary Applications, Heredity, Journal of Heredity, Oecologia, Evolutionary Ecology Research, Evolutionary Ecology, Molecular Ecology, PLoS ONE, BMC Evolutionary Biology, Conservation Biology, Biological Journal of the Linnean Society, Biological Reviews, Behaviour, Behavioral Ecology and Sociobiology, Genetica, Functional Ecology, Journal of Experimental Biology, Current Zoology, Global Change Biology, Integrative and Comparative Biology, Ecography, Naturwissenschaften, Animal Conservation, Journal of Wildlife Management, Biological Conservation, International Journal of Ecology, Canadian Journal of Zoology, Canadian Journal of Fisheries and Aquatic Sciences, Journal of Fish Biology, Transactions of the American Fisheries Society, Marine Biotechnology, Ecology of Freshwater Fishes, North American Journal of Fisheries Management, Fishery Bulletin, Aquaculture, Journal of Avian Biology, Insect Conservation and Diversity, Philippine Journal of Science, Caribbean Journal of Science.

Major research grants – past:

1. BC Ministry of Environment and Department of Fisheries and Oceans, 2016. *Distribution, abundance, and diversity of Misty Lentic and Misty Lotic stickleback*. Total: \$25,000 CAD. (PI)
2. NSERC Research Tools and Equipment, 2015. *Freshwater wells to support research in evolutionary genomics, physiology, and aquaculture, at Bamfield Marine Sciences Centre*. Total: \$61,716 CAD (co-applicant)
3. FQRNT Team Grant, 2013-2015: *Propagation des infections par dispersion au sein des communautés hôte-parasites en milieu aquatique*. Total: \$156,000 CAD. (co-applicant)
4. NSF, Evolutionary Processes Cluster, 2012-2014: *Collaborative Research: Parallel and non-parallel evolution at multiple levels: environment, selection, phenotype, and genotype*. Total: \$900,000 USD. (Senior personnel)
5. NSERC – Major Resources Support (2011-2014). *Bamfield Marine Sciences Centre*. Total: 1,200,000 CAD. (Co-applicant)
6. NSERC Research Tools and Equipment, 2013. *Aquatron to study the genomics of adaptation to environmental change*. Total: \$116,875 CAD. (Co-applicant)
7. NSERC Research Tools and Equipment, 2013. *Aquatic housing to study the ecology and evolution of fishes at the Bamfield Marine Sciences Centre*. Total: \$62,760 CAD (Co-applicant)
8. NSERC Discovery Grant, 2012: *The microevolution of biological diversity*. Total: \$33,000 CAD. (PI)
9. NSERC Research Tools and Equipment, 2012. *Biodiversity research at the Redpath Museum: field vehicle*. Total: \$31,794 CAD. (PI)
10. Institut Paul-Emile Victor (French Polar Institute), 2009-2012: *Evolutionary ecology of*

- salmonid colonization of the Kerguelen Islands*. Total: \$250,000 Euro. (Senior personnel)
11. NSERC Discovery Grant, 2007-2012: *The microevolution of biological diversity*. Total: \$250,220 CAD. (PI)
 12. NSERC Discovery Grant – Accelerator Supplement, 2007-2012. *The microevolution of biological diversity*. Total: \$120,000 CAD. (PI)
 13. NSERC Special Research Opportunity, 2008-2011. *Ecology and evolution of host-parasite relationships in a real ecosystem*. Total: \$351,860 CAD. (Co-PI)
 14. NSERC Discovery Grant – Steacie Supplement, 2009-2011. *Eco-evolutionary dynamics*. Total: \$359,940 CAD. (PI)
 15. NSERC Research Tools and Equipment, 2010. *Integrated laboratory system for eco-evolutionary research on small fishes*. Total: \$47,867 CAD. (PI)
 16. NSF, Frontiers in Integrative Biological Research (FIBR), 2007-2010: *Linking genes to ecosystems: How do ecological and evolutionary processes interact in nature?* Total: \$5,003,604 USD. (Senior personnel)
 17. National Geographic Society, 2009. *Ecological and evolutionary impacts of introduced trout on Patagonian lakes*. Total: \$21,603 USD (PI)
 18. NSERC Research Tools and Equipment – Steacie Supplement, 2009. *Eco-evolutionary dynamics (field truck and boat)*. Total: \$51,377 CAD. (PI)
 19. NSERC Discovery Grant, 2002-2007: *Natural selection, reproductive isolation, and the evolution of biological diversity*. Total: \$205,000 CAD. (PI)
 20. NSF, Biological Oceanography, 2007-2009: *Collaborative Research: A Comparison of the mating system and evolutionary potential of lemon sharks, *Negaprion brevirostris*, at two nursery sites in the western Atlantic*. Total: \$412,910 USD. (Senior personnel)
 21. NSF, Population Biology Panel, 2003-2006: *Adaptive divergence versus gene flow in the wild: evaluation in Trinidadian guppy populations*. Total: \$399,139 USD. (Senior personnel)