CV OF DOLPH SCHLUTER

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PRESENT POSITION: University Killam Professor

APPOINTMENTS

Professor	July 1/96 - present
University Killam Professor	Jan 1/21 - present
Interim Director, Biodiversity Research Centre	Jan 1/21 - present
Tier I Canada Research Chair	Jan 1/01 – Dec 31/21
Killam Senior Fellow	July 1/11 – July 1/13
Director, Biodiversity Research Centre	Jan 1/03 – Dec 31/07
Associate Professor	July 1/91- July 1/96
Assistant Professor (tenure track)	July 1/89 - July 1/9l
NSERC University Research Fellow/Assistant Professor	Apr. 1/85 - July 1/89

EDUCATION

Univ. of Guelph (Ontario)	B.Sc.	Biology	1977
Univ. of Michigan (Ann Arbor, USA)	Ph.D.	Ecology and Evolution	1983
University of California, Davis, and University of British Columbia	Postdoc	Ecology and Evolution	1983 - 1985

HONORS

Order of British Columbia, 2021
National Academy of Sciences USA, International Member, elected 2017.
Highly Cited, Web of Science Group. Most highly cited researchers in 21 broad subject areas, 2006-19.
Darwin-Wallace Medal, Linnean Society of London, 2014.
President, American Society of Naturalists, 2013.
Foreign Member, American Academy of Arts and Sciences, elected 2012.
Killam Senior Research Fellowship, Canada Council, 2011-2013.
Killam Mentoring Award, The University of British Columbia, 2010.
Killam Research Prize, The University of British Columbia, 2008.
Sewall Wright Award, American Society of Naturalists, 2007.
ISI Highly Cited (http://isihighlycited.com/), 2006, 2011, 2017.
Rosenblatt Award, Scripps Institute of Oceanography, 2006.
President, Society for the Study of Evolution, 2005.
John Simon Guggenheim Memorial Fellowship, 2003.
Royal Society of Canada Fellow, elected 2001.
Canada Research Chair, Tier I, Dec 2000.
Royal Society of London Fellow, elected 1999.
Scholar-in-Residence, 1999. Peter Wall Institute of Advanced Studies, Univ. British Columbia
President's Award. 1997. American Society of Naturalists.
Charles A. McDowell Medal. 1995. University of British Columbia.
Izaak Walton Killam Memorial Faculty Research Fellowship. 1996. Univ. British Columbia.
E.W.R. Steacie Memorial Fellowship, 1993, NSERC.
Loftus-Hills Young Investigator Prize, 1985, American Society of Naturalists.

RESEARCH GRANTS (SINCE 2010)

Agency	Subject	$/year	Year	PI	Co-PI
NSERC	Discovery Grant – Evolution of Species Interactions in Adaptive Radiation	95 K	2021-2026	D. Schluter	
Killam Foundation	Killam University Professor	100 K	2021	D. Schluter	
CRC Chair	Evolutionary Biology	35 K	2016-20	D. Schluter	
UBC	Research Facilities Support Grant	38 K	2018	D. Schluter	M. O'Connor
GenomeBC	Atlas of Genomic Variation	245 K	2017-18	D. Schluter	
BC MOE	Mark-recapture estimation of stickleback species pairs	22 K	2016-17	D. Schluter	
NSERC	Ecology of Adaptive Radiation	60 K	2016-20	D. Schluter	
Templeton Foundation	The Origin of Species in Action: Synthesizing Experimental Studies of Evolution with Genomics	547 K	2015-18	J. Losos	D. Schluter
NSERC	Discovery Grant – Mechanisms of Adaptive Radiation	103 K	2011-16	D. Schluter	
NIH	Genetics of Parallel Reproductive Isolation in Stickleback Species Pairs	480 K	2010-13	C. Peichel	D. Schluter

RESEARCH TRAINING (CAREER)

30 postdoctoral Fellows, 20 PhD students, 8 MSc students, scores of undergraduate Honors students.

STUDENT AWARDS

Loftus-Hills Young Investigators Prize, American Society of Naturalists, to K. Thompson, 2021.
Loftus-Hills Young Investigators Prize, American Society of Naturalists, to D. Rennison, 2020.
Early Career Award, Canadian Society for Ecology and Evolution, to D. Rennison, 2020
Excellence in Doctoral Research Award, Canadian Society Ecology and Evolution, to K. Thompson, 2020
Loftus-Hills Young Investigators Prize, American Society of Naturalists, to R. Bay, 2018.
Samantha Hicks Memorial Prize, UBC, to K. Thompson, 2018.
Killam Doctoral Scholarship, UBC, to K. Thompson, 2017
Excellence in Doctoral Research Award, Canadian Soc. Ecology and Evolution, to D. Rennison, 2016
Raja Rosenbluth Award for Women in Biological Sciences, UBC, to D. Rennison, 2016.
Loftus-Hills Young Investigators Prize, American Society of Naturalists, to T. Ingram, 2014.
Early Career Award, Canadian Society of Ecology and Evolution, to R. Barrett, 2014.
Dobzhansky Prize, Society for the Study of Evolution, to R. Barrett, 2013
Loftus-Hills Young Investigators Prize, American Society of Naturalists, to R. Barrett, 2012.
Frost Award, Ecological Society of America, to T. Ingram, 2012.
Governor General's Gold Medal, Government of Canada, to R. Barrett, 2011
Maynard Smith Prize, European Society of Evolutionary Biology, to R. Barrett, 2011.
Faculty of Science Graduate Prize, UBC, to R. Barrett, 2011.
Howard Alper Prize, NSERC, to R. Barrett, 2010.
Foundational Questions in Evolutionary Biology Fellowship, Harvard University, to R. Barrett, 2010.
Loftus-Hills Young Investigator Prize, American Society of Naturalists, to L. Harmon, 2009
Doctoral Prize, NSERC, to J.T. Weir, 2008.
Graduate Prize, UBC Faculty of Science, to J.T. Weir, 2008.
Dobzhansky Prize, Society for the Study of Evolution, to P. Nosil, 2008.
Margaret Thompson Phd Thesis Award, Genetics Society of Canada, to A.A.Y.K. Albert, 2008.
Dobzhansky Prize, Society for the Study of Evolution, to H. Rundle, 2002.
Loftus-Hills Young Investigator Prize, American Society of Naturalists, to H. Rundle, 2002.

Publications of Dolph Schluter

1. REFEREED PUBLICATIONS [See section 10 for independent student publications on which I am not an author]

(a) Journals

1. Schluter, D. and L. Rieseberg. 2022. Three problems in the genetics of speciation by selection. **Proceedings of the National Academy of Sciences (USA)** 119: e2122153119.
2. Thompson, K. A., C. L. Peichel, D. J. Rennison, M. D. McGee4, A. Y. K. Albert, T. H. Vines, A. K. Greenwood, A. R. Wark, M. Schumer, and D. Schluter. 2022. Genetic evidence for environment-dependent hybrid incompatibilities in threespine stickleback. **PLoS Biology** 20: e3001469.
3. Thompson, K. A. and D. Schluter. 2022. Heterosis counteracts hybrid breakdown to forestall speciation by parallel natural selection. **Proceedings of the Royal Society of London B, Biological Sciences** 289: 20220422.
4. Chhina, A. K., K. A. Thompson and D. Schluter. 2022. Adaptive divergence and the evolution of hybrid trait mismatch in threespine stickleback. **Evolution Letters** 6: 34-45. doi:10.1002/evl3.264
5. Blain, S. A., L. Chavarie, M. H. Kinney, and D. Schluter. 2022. Test of frequency dependent selection in the evolution of a generalist phenotype. **Ecology and Evolution** 12: e8831.
6. Freeman, B. G., D. Schluter*, and J. A. Tobias*. 2022. The latitudinal gradient in the rate of evolution of a species interaction trait. **Ecology Letters** 25: 635–646.
*co-senior authors
7. Freeman, B. G., J. Rolland, G. A. Montgomery, and D. Schluter. 2022. Faster evolution of a premating reproductive barrier is not associated with faster speciation rates in New World passerine birds. **Proceedings of the Royal Society of London B, Biological Sciences** 289: 20211514.
8. Irwin, D. and D. Schluter. 2022. Hybridization and the coexistence of species. **American Naturalist** 200: E93–E109.
9. Roesti, M., J. S. Groh, S. Blain, M. Huss, P. Rassias, D. I. Bolnick, Y. E. Stuart, C. L. Peichel, D. Schluter. 2022. Shared predation drives divergence between competing species. **Ecology Letters**: in revision.
10. Geneva, A. J., S. Park, D. Bock, P. de Mello, F. Sarigol, M. Tollis, C. Donihue, R. G. Reynolds, N. Feiner, Ashley M. Rasys, J. D. Lauderdale, S. G. Minchey, A. J. Alcala, C. R. Infante, J. J. Kolbe, D. Schluter, D. B. Menke, and J. B. Losos. 2022. Chromosome-scale genome assembly of the brown anole (*Anolis sagrei*), a model species for evolution and ecology. **Nature Communications**: in revision. doi.org/10.1101/2021.09.28.462146
11. Schluter, D., K. B. Marchinko, M. E. Arnegard, H. Zhang, S. D. Brady, F. C. Jones, M. A. Bell, and D. M. Kingsley. 2021. Fitness maps to a large-effect locus in introduced stickleback populations. **Proceedings of the National Academy of Sciences (USA)** 118: e1914889118.
12. Thompson, K. A., M. Urquhart-Cronish, K. D. Whitney, L. H. Rieseberg, and D. Schluter. 2021. Patterns, predictors, and consequences of dominance in hybrids. **American Naturalist** 197: E72–E88.
13. Germain, R. M., S. P. Hart, M. M. Turcotte, S. P. Otto, J. Sakarchi, J. Rolland*, T. Usui, A. L. Angert, D. Schluter, R. Bassar, M. T. Waters, F. Henao-Diaz, and A. M. Siepielski. 2021. On the origin of coexisting species. **Trends in Ecology and Evolution** 36: 284–293.
14. McKenzie, J. L., A. Araújo, J. L. Smith, D. Schluter, and R. H. Devlin. 2021. Incomplete reproductive isolation and strong transcriptomic response to hybridization between sympatric sister species of salmon. **Proceedings of the Royal Society of London B, Biological Sciences** 288: 20203020.
15. Roesti, M., D. N. Anstett, B. G. Freeman, J. A. Lee-Yaw, D. Schluter, L. Chavarie, J. Rolland, and R. Holzman. 2020. Pelagic fish predation is stronger at temperate latitudes than near the equator. **Nature Communications** 11: 1527.
16. Freeman, B. G., M. Scholer, M. Boehm, J. Heavyside, and D. Schluter. 2020. Adaptation and latitudinal gradients in species interactions: nest predation in birds. **American Naturalist** 196: E160–E166.
17. Gillespie, R. G. G. M. Bennett, L. De Meester, J. L. Feder, R. C. Fleischer, L. J. Harmon, A. P. Hendry, M. L. Knope, J. Mallet, C. Martin, C. E. Parent, A. H. Patton, K. S. Pfennig, D. Rubinoff, D. Schluter, O. Seehausen, K. L. Shaw, E. Stacy, M. Stervander, J. T. Stroud, C. Wagner, G. O. U. Wogan. 2020. Comparing adaptive radiations across space, time, and taxa.

Journal of Heredity 111: 1-20.

18. Rolland, J., D. Schluter and J. Romiguier. 2020. Vulnerability to fishing and life history traits correlate with the load of deleterious mutations in teleosts. **Molecular Biology and Evolution** 37: 2192-2196.
19. Xie, K. T., G. Wang, A. C. Thompson, J. I. Wucherpfennig, T. E. Reimchen, A. D. C. MacColl, D. Schluter, M. A. Bell, K. M. Vasquez, and D. M. Kingsley. 2019. DNA fragility in the parallel evolution of pelvic reduction in stickleback fish. **Science** 363: 81-84.
20. Miller, S. E., M. Roesti, and D. Schluter. 2019. A single interacting species leads to widespread parallel evolution of the stickleback genome. **Current Biology** 29: 530-537.
21. Thompson, K. A., M. M. Osmond & D. Schluter. 2019. Parallel genetic evolution and speciation from standing variation. **Evolution Letters** 3: 129–141.
22. Rennison, D. J., S. M. Rudman, and D. Schluter. 2019. Genetics of adaptation: experimental test of a biotic mechanism driving divergence in traits and genes. **Evolution Letters** 3: 513-520.
23. Rennison, D., S. M. Rudman, and D. Schluter. 2019. Parallel changes in gut microbiome composition and function in parallel local adaptation and speciation. **Proceedings of the Royal Society of London, Series B** 286: 20191911.
24. Bay, R. A., E. B. Taylor, and D. Schluter. 2019. Parallel introgression and selection on introduced alleles in a native species. **Molecular Ecology** 28: 2802-2813.
25. Freeman, B. G, J. Tobias, and D. Schluter. 2019. Behavior influences range limits and patterns of coexistence across an elevational gradient in tropical bird diversity. **Ecography** 42: 1832-1840.
26. Thompson, K., L. H. Rieseberg, and D. Schluter. 2018. Speciation and the city. **Trends in Ecology and Evolution** 11: 815–826.
27. Rolland, J., D. Silvestro , D. Schluter , A. Guisan , O. Broenniman , and N. Salamin. 2018. Endothermy, climatic niche evolution and the distribution of vertebrate diversity. **Nature Ecology & Evolution** 2: 459–464.
28. Brix, K. V., C. J. Brauner, D. Schluter, & C. M. Wood. 2018. Pharmacological evidence that DAPI inhibits NHE2 in *Fundulus heteroclitus* acclimated to freshwater. **Comparative Biochemistry and Physiology C** 211: 1-6.
29. Schluter, D. and M. Pennell. 2017. Speciation gradients and the distribution of biodiversity. **Nature** 546: 48–55.
30. Freeman, B. G., G. A. Montgomery, and D. Schluter. 2017. Evolution and plasticity: Divergence of song discrimination is faster in birds with innate song than in song learners in Neotropical passerine birds. **Evolution** 71: 2230–2242
31. Samuk, K., G. L. Owens, D. J. Rennison, K. E. Delmore, S. Miller, and D. Schluter. 2017. Gene flow and selection interact to promote adaptive divergence in regions of low recombination. **Molecular Ecology** 26:4378–4390
32. Rudman, S. M., M. Kreitzman, K. M.A. Chan and D. Schluter. 2017. Evosystem services: rapid evolution and the provision of ecosystem services. **Trends in Ecology and Evolution** 32: 403–415.
33. Rudman, S. M., M. Kreitzman, K. M.A. Chan and D. Schluter. 2017. Contemporary evosystem services: a reply to Faith et al. [letter]. **Trends in Ecology and Evolution** 32: 719–720.
34. Bay[1], R. A., M. E Arnegard[1], G. L Conte[1], J. Best, N. L Bedford, S. R McCann, M. E Dubin, Y. F. Chan, F. C Jones, D. M Kingsley, D. Schluter[2], and K. Peichel[2]. 2017. Genetic coupling of female mate choice with polygenic ecological divergence facilitates stickleback speciation. **Current Biology** 27: 3344–3349.
[1]co-first; [2]co-senior
35. Germain, R. M., J. L. Williams, D. Schluter, and A. L. Angert. 2017. Moving character displacement beyond characters using contemporary coexistence theory. **Trends in Ecology and Evolution** 33: 74-84.
36. Miller, S. E. and D. Schluter. 2017. A comparative analysis of experimental selection on the stickleback pelvis. **Journal of Evolutionary Biology** 30: 1165–1176.
37. Schluter, D. 2016. Speciation, ecological opportunity, and latitude. **American Naturalist** 187: 1–18.
38. Rudman, S. M. and D. Schluter. 2016. Ecological impacts of reverse speciation in threespine stickleback. **Current Biology** 26: 490–495.
39. Rudman, S. M., J. Heavyside, D. J. Rennison, and D. Schluter. 2016. Piscivore addition causes a trophic cascade within and across ecosystem boundaries. **Oikos** 125: 1782–1789.

40. Vines, T., A. Dalziel, A. Albert, T. Veen, P. Schulte and D. Schluter. 2016. Cline coupling and uncoupling in a stickleback hybrid zone. **Evolution** 70:1023–1038.
41. Erickson, P. A, A. M. Glazer, E. E. Killingbeck, R. M. Agoglia, J. Baek, S. M. Carsanaro, Anthony M. Lee, P. A. Cleves, D. Schluter, and C. T. Miller. 2016. Partially repeatable genetic basis of benthic adaptation in threespine sticklebacks. **Evolution** 70: 887–902.
42. Rennison, D. J., G. L. Owens, N. Heckman, D. Schluter and T. Veen. 2016. Rapid adaptive evolution of colour vision in the threespine stickleback radiation. **Proceedings of the Royal Society of London** 283: 10.1098/rspb.2016.0242.
43. Østbye, K., C. Harrod, F. Gregersen, T. Klepaker, M. Schulz, D. Schluter, L. A. Vøllestad. 2016. The temporal window of ecological adaptation in postglacial lakes: a comparison of head morphology, trophic position and habitat use in Norwegian threespine stickleback populations. **BMC Evolutionary Biology** 16.1: 102.
44. Conte, G. L., M. E. Arnegard, J. Best, Y. F. Chan, F. C. Jones, D. M. Kingsley, D. Schluter and C. L. Peichel. 2015. Extent of QTL reuse during repeated phenotypic divergence of sympatric threespine stickleback. **Genetics** 201: 1189–1200.
45. Rennison, D. J., K. Heilbron, R. D.H. Barrett, and D. Schluter. 2015. Discriminating selection on lateral plate phenotype and its underlying gene, *Ectodysplasin*, in threespine stickleback. **American Naturalist** 185: 150–156.
46. Miller, S. E., D. Metcalf, and D. Schluter. 2015. Intraguild predation leads to genetically based character shifts in the threespine stickleback. **Evolution** 69: 3194–3203.
47. Arnegard, M. E., M. D. McGee, B. Matthews, K. B. Marchinko, G. L. Conte, S. Kabir, N. Bedford, S. Bergek, Y. F. Chan, F. C. Jones, D. M. Kingsley, C. L. Peichel & D. Schluter. 2014. Genetics of ecological divergence during speciation. **Nature** 511: 307–311.
48. Wray, G.A., H.E. Hoekstra, D. J. Futuyma, R. E. Lenski, T. F. C. Mackay, D. Schluter, and J. E. Strassmann. 2014. Does evolutionary theory need a rethink? Counterpoint No, all is well. **Nature** 514: 161–164.
49. Marchinko, K. B., B. Matthews, M. E. Arnegard, S. M. Rogers, and D. Schluter. 2014. Maintenance of a genetic polymorphism with disruptive natural selection in stickleback. **Current Biology** 24: 1289–1292.
50. Cleves, P. A., N. A. Ellis, M. T. Jimenez, S. Nunez, D. Schluter, D. M. Kingsley, and C. T. Miller. 2014. Evolved tooth gain in sticklebacks is associated with a *cis*-regulatory allele of *Bmp6*. **Proceedings of the National Academy of Sciences (USA)** 111: 13912–13917.
51. Miller, C. T., A. M. Glazer, B. R. Summers, B. K. Blackman, A. R. Norman, M. D. Shapiro, B. L. Cole, C. L. Peichel, D. Schluter, D. M. Kingsley. 2014. Additive, anatomically regional, and clustered quantitative trait loci control skeletal evolution in sticklebacks. **Genetics** 197: 405–420.
52. Samuk, K., D. Iritani, and D. Schluter. 2014. Reversed brain size sexual dimorphism accompanies loss of parental care in white sticklebacks. **Ecology and Evolution**: ece3.1175.
53. Faria, R., S. Renaut, J. Galindo, C. Pinho, J. Melo-Ferreira, M. Melo, F. Jones, W. Salzburger, D. Schluter, and R. Butlin. 2014. Advances in ecological speciation: an integrative approach. **Molecular Ecology** 23: 513–521.
54. McGee, M. D., D. Schluter, and P. C. Wainwright. 2013. Functional basis of ecological divergence in sympatric stickleback. **BMC Evolutionary Biology** 13: 277.
55. Conte, G. and D. Schluter. 2013. Experimental confirmation that body size determines mate preference via phenotype matching in a stickleback species pair. **Evolution** 67: 1477–1484.
56. Southcott, L., L Nagel, T. Hatfield, and D. Schluter. 2013. Weak habitat isolation in a threespine stickleback (*Gasterosteus spp*.) species pair. **Biological Journal of the Linnean Society** 110: 466–476.
57. Des Roches, S., J. B. Shurin, D. Schluter, and L. J. Harmon. 2013. Ecological and evolutionary effects of stickleback on community structure. **PLoS ONE** 8: e59644.
58. Conte, G. L., M. E. Arnegard, C. L. Peichel, and D. Schluter. 2012. The probability of genetic parallelism and convergence in natural populations. **Philosophical Transactions of the Royal Society of London Series B**. 279: 5039–5047.
59. Rogers, S. M., P. Tamkee, B. Summers, S. Balabahadra, M. Marks, and D. M. Kingsley, and D. Schluter. 2012. Genetic signature of adaptive peak shift in threespine stickleback. **Evolution** 66: 66: 2439–2450.
60. Ingram, T., R. Svanbäck, N. J. B. Kraft, P. Kratina, L. Southcott, and D. Schluter. 2012. Intraguild predation drives evolutionary niche shift in threespine stickleback. **Evolution** 66: 1819–1832

61. Svanbäck and D. Schluter. 2012. Niche specialization influences adaptive phenotypic plasticity in threespine stickleback. **American Naturalist** 180: 50–59.

62. Jones, F. C., Y. F. Chan, J. Schmutz, J. Grimwood, S. D. Brady, A. Southwick, D. Absher, R. M. Myers, T. E. Reimchen, B. E. Deagle, D. Schluter, D. M. Kingsley. 2012. A genome-wide SNP genotyping array reveals patterns of global and repeated species-pair divergence in sticklebacks. **Current Biology** 22: 83–90.

63. Nosil, P. and D. Schluter. 2011. The genes underlying the process of speciation. **Trends in Ecology and Evolution** 26: 160–167.

64. Clarke, J. M. and D. Schluter. 2011. Colour plasticity and background matching in a threespine stickleback species pair. **Biological Journal of the Linnean Society** 102: 902–914

65. Weir, J. T. and D. Schluter. 2011. Are rates of molecular evolution in mammals substantially accelerated in warmer environments? **Proceedings of the Royal Society of London, Series B** 278:1291–1293.

66. Le Rouzic, A., K. Østbye, T. O. Klepaker, T. F. Hansen, L. Bernatchez, D. Schluter & L. A. Vøllestad. 2011. Strong and consistent natural selection associated with armour reduction in sticklebacks. **Molecular Ecology** 20: 2483–2493.

67. Schluter, D., K. B. Marchinko, R. D. H. Barrett, and S. M. Rogers. 2010. Natural selection and the genetics of adaptation in threespine stickleback. **Philosophical Transactions of the Royal Society of London, Series B** 365, 2479–2486.

68. Chan, Y. F., M. E. Marks, F. C. Jones, G. Villarreal Jr., M. D. Shapiro, S. Fisher, A. M. Southwick, D. M. Absher, J. Grimwood, J. Schmutz, R. M. Myers, D. Petrov, B. Jónsson, D. Schluter, M. A. Bell, and D. M. Kingsley. 2010. Adaptive evolution of pelvic reduction in sticklebacks by recurrent deletion of a *Pitx1* enhancer. **Science** 327: 302–305.

69. Schluter, D. 2010. Resource competition and coevolution in sticklebacks. **Evolution Education and Outreach** 3:54–61.

70. Harmon, L. J., J. B. Losos, T. J. Davies, R. G. Gillespie, J. L. Gittleman, W. B. Jennings, K. H. Kozak, M. A. McPeek, F. Moreno-Roark, T. J. Near, A. Purvis, R. E. Ricklefs, D. Schluter, J. A. Schulte II, O. Seehausen, B. L. Sidlauskas, O. Torres-Carvajal, J. T. Weir, and A. Ø. Mooers. 2010. Early bursts of body size and shape evolution are rare in comparative data. **Evolution** 64: 2385–2396.

71. Barrett, R. D. H., A. Paccard, T. Healy, S. Bergek , P. M. Schulte, D. Schluter, and S. M. Rogers. 2010. Rapid evolution of cold tolerance in stickleback. **Proceedings of the Royal Society of London, Series B** 278: 233–238

72. Schluter, D. 2009. Evidence for ecological speciation and its alternative. **Science** 323: 737–741.

73. Schluter, D. and G. L. Conte. 2009. Genetics and ecological speciation. **Proceedings of the National Academy of Sciences (USA)** 106: 9955–9962.

74. Harmon, L. J., B. Matthews, S. Des Roches, J. M. Chase, J. B. Shurin, and D. Schluter. 2009. Evolutionary diversification in stickleback affects ecosystem functioning. **Nature** 458: 1167–1170.

75. Weir, J. T., E. Bermingham and D. Schluter. 2009. The Great American Biotic Interchange in birds. **Proceedings of the National Academy of Sciences (USA)** 106: 21737–21742.

76. Barrett, R. D. H., S. M. Rogers, and D. Schluter. 2009. Environment specific pleiotropy facilitates divergence at the *Ectodysplasin* locus in threespine stickleback. **Evolution** 63: 2831–2837.

77. Barrett, R. D. H., S. M. Rogers, and D. Schluter. 2008. Natural selection on a major armor gene in threespine stickleback. **Science** 322: 255–257.

78. Barrett, R. D. H. and D. Schluter. 2008. Adaptation from standing genetic variation. **Trends in Ecology and Evolution** 23: 38–44.

79. Albert, A. Y. K., S. Sawaya, T. H. Vines, A. K. Knecht, C. T. Miller, B. R. Summers, S. Balabhadra, D. M. Kingsley, and D. Schluter. 2008. The genetics of adaptive shape shift in stickleback: pleiotropy and effect size. **Evolution** 62: 76–85.

80. Weir, J. T. and D. Schluter. 2008. Calibrating the avian molecular clock. **Molecular Ecology** 17: 2321–2328.

81. Gow, J. L., S. M. Rogers, M. Jackson, and D. Schluter. 2008. Ecological predictions lead to the discovery of a benthic-limnetic sympatric species pair of threespine stickleback in Little Quarry Lake, British Columbia. **Canadian Journal of Zoology** 86: 564–571.

82. Weir, J. T. and D. Schluter. 2007. The latitudinal gradient in recent speciation and extinction rates of birds and mammals. **Science** 315: 1574–1576.

83. Marchinko, K. B. and D. Schluter. 2007. Parallel evolution by correlated response: lateral plate reduction in threespine stickleback. **Evolution** 61: 1084–1090.

84. Albert, A. Y. K., N. P. Millar, and D. Schluter. 2007. Character displacement of male nuptial colour in threespine sticklebacks (*Gasterosteus aculeatus*). **Biological Journal of the Linnean Society** 91: 37–48.

85. Miller, C. T., S. Beleza, A. A. Pollen, D. Schluter, R. A. Kittles, M. D. Shriver, and D. M. Kingsley. 2007. cis-Regulatory changes in *Kit ligand* expression and parallel evolution of pigmentation changes in sticklebacks and humans. **Cell** 131: 1179–1189.

86. Mittelbach, G. G., D. W. Schemske, H. V. Cornell, A. P. Allen, J. M. Brown, M. Bush, S. P. Harrison, A. H.Hurlbert, N. Knowlton, H. A Lessios, C. M. McCain, A. R. McCune, L. A. McDade, M. A. McPeek, T. J. Near, T. D. Price, R. E. Ricklefs, K. Roy, Dov F. Sax, D. Schluter, J. M. Sobel, M. Turelli. 2007. Evolution and the latitudinal diversity gradient: speciation, extinction, and biogeography. **Ecology Letters** 10: 315–331.

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11. THESES SUPERVISED

1. Blain, S. A. 2022. **Evolutionary outcomes of interactions among phenotypes in post-glacial lakes**. PhD. Thesis, University of British Columbia.
2. Thompson, K. A. 2021. **The evolutionary ecology of hybridization.** PhD. Thesis, University of British Columbia.
3. Miller, S. E. 2016. **Intraguild predation is a mechanism of divergent selection in the threespine stickleback.** PhD. Thesis, University of British Columbia.
4. Rudman, S. M. 2016. **The ecological consequences of evolutionary change in freshwater ecosystems**. PhD. Thesis, University of British Columbia.
5. Rennison, D. J. 2016. **Detecting the drivers of divergence: identifying and estimating natural selection in threespine stickleback**. PhD. Thesis, University of British Columbia.
6. Samuk, K. 2016. **The evolutionary genomics of adaptation and speciation in the threespine stickleback.** PhD. Thesis, University of British Columbia.
7. Conte, G. L. 2013. **The genetics of adaptation and speciation in threespine stickleback species pairs**. PhD. Thesis, University of British Columbia.
8. Ingram, T. 2011. **Evolution of the trophic niche and food web structure**. PhD. Thesis, University of British Columbia.
9. Southcott, Laura. 2011. **Components of premating reproductive isolation in threespine stickleback**. MSc. Thesis, University of British Columbia.
10. Barrett, R. D. H. 2010. **The genetics of adaptation in stickleback**. PhD. Thesis, University of British Columbia.
11. Marchinko. K. B. 2009. **Mechanisms of divergence in threespine stickleback (*Gasterosteus aculeatus*)**. PhD. Thesis, University of British Columbia.
12. Clarke, J. M. 2009. **The evolution of body colour in threespine sticklebacks (*Gasterosteus aculeatus*).** MSc thesis, University of British Columbia.
13. Barrueto, M. 2009. **Adaptive significance of pelvic girdle loss in threespine stickleback.** MSc thesis, University of British Columbia.
14. Waldron, A. S. 2007. **Geographic range size: speciation, extinction and what happens in-between**. PhD. Thesis, University of British Columbia.
15. Weir, J. T. 2007. **Evolution of the latitudinal species diversity gradient in New World birds and mammals**. PhD. Thesis, University of British Columbia.
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23. Rundle, H. D. 1997. **Reinforcement of stickleback mate preferences**. MSc thesis, University of British Columbia.

24. Vamosi, S. M. 1996. **Postmating Isolation Mechanisms between Sympatric Populations of Three-Spined Sticklebacks**. MSc thesis, University of British Columbia.

25. Hatfield, T. 1995. **Speciation in sympatric sticklebacks: hybridization, reproductive isolation and the maintenance of diversity**. PhD thesis, University of British Columbia.

26. Nagel, L. M. 1994. **The parallel evolution of reproductive isolation in threespine sticklebacks**. MSc thesis, University of British Columbia.

27. Repasky, R. R. 1993. **Habitat partitioning by sparrows along an elevational gradient**. PhD thesis, University of British Columbia.