

Curriculum Vitae
SARAH PERIN OTTO

Address:

Mail: Department of Zoology
University of British Columbia
6270 University Boulevard
Vancouver BC V6T 1Z4, CANADA
Phone: (604) 822-2778
FAX: (604) 822-2416
E-mail: otto@zoology.ubc.ca

Personal:

Nickname: Sally
Citizenship: United States & Canadian

Education and Work Experience:

Current position: Full Professor, Killam University Professor & Canada Research Chair
(Tier I), Department of Zoology;
2000-2005: Associate Professor, Department of Zoology, University of British Columbia
1995-2000: Assistant Professor, Department of Zoology, University of British Columbia
1994-1995: SERC Post-Doctoral Research Fellow, University of Edinburgh, UK
Sponsor: N. Barton
1992-1994: Miller Post-Doctoral Fellow, UC Berkeley, Berkeley, CA
Department of Integrative Biology
Sponsors: G. Thomson, M. Slatkin
1988-1992: Ph. D., Stanford University, Stanford, CA
Department of Biological Sciences
Committee: M. W. Feldman (advisor), L. L. Cavalli-Sforza, J. Roughgarden
Thesis: Evolution in Sexual Organisms: The Role of Recombination, Ploidy Level,
and Nonrandom Mating
1990: Complex Studies Summer School, Santa Fe Institute, Santa Fe, NM
1989,1991: Lab rotation (two semesters), Harvard University, Harvard, MA
Advisor: R. C. Lewontin
1985-1988: B.Sc. with honors in Biology, Stanford University, Stanford, CA
Advisors: V. Walbot, M. W. Feldman
1985: International Baccalaureate Degree, Washington International School

Grant and Fellowship Support:

1. Discovery grant, Natural Sciences & Engineering Research Council, Canada (2016-2021)
C\$92,000 per annum
2. International Research Roundtable grant, Peter Wall Institute for Advanced Studies
(2015-2016) C\$38,720 total
3. Discovery grant, Natural Sciences & Engineering Research Council, Canada (2010-2015)
C\$82,000 per annum

4. Discovery Accelerator grant, Natural Sciences & Engineering Research Council, Canada (2010-2013) C\$40,000 per annum
5. Leaders Opportunity Fund, Canada Foundation for Innovation & BC Knowledge Development Fund, Canada (2010) C\$397,342 (CFI) & C\$397,342 (BCKDF).
6. NSERC CREATE Training Program in Biodiversity Research (2009-2015) C\$1,650,000 total
7. NSERC SRO on the “Genetics of Invasiveness: What makes a weed a weed?” (2008-2010) C\$991,435.00 total [PI: Loren Rieseberg]
8. Martha Piper Research Award, UBC (2007-2008) C\$25,000
9. UBC Killam Faculty Research Fellowship, UBC (2006-2007)
10. NESCent Sabbatical Fellowship, Durham NC (2006-2007)
11. Discovery grant, Natural Sciences & Engineering Research Council, Canada (2005-2010) C\$50,000 per annum
12. Equipment grant, Natural Sciences & Engineering Research Council, Canada (2005) C\$47,148 (primary applicant: Dr. M. Whitlock)
13. Individual research grant, Natural Sciences & Engineering Research Council, Canada (2000-2005) C\$40,000 per annum
14. Steacie grant supplement, Natural Sciences & Engineering Research Council, Canada (2002-2003) C\$33,190 per annum
15. Equipment grant, Natural Sciences & Engineering Research Council, Canada (2001) C\$37,461
16. Individual research grant, Natural Sciences & Engineering Research Council, Canada (1996-2000) C\$26,000-30,000 per annum
17. PWIAS Major Thematic Grant, Peter Wall Institute for Advanced Studies (1999-2002) C\$500,00 total (primary applicant: Dr. A. Rose)
18. Research support for scholar in residence, Peter Wall Institute for Advanced Studies (1999)
19. UBC-NSERC Equipment Grant (1995)
20. SERC Research Fellowship with Nick Barton, University of Edinburgh (1994-1997)
21. Miller Post-Doctoral Fellowship, UC Berkeley (1992-1994)
22. Graduate Fellowship, National Science Foundation (1988-1991)

Honours and Prizes:

1. Presidential Award, Canadian Society for Ecology and Evolution, Canada (2017)
2. Killam University Professorship, UBC (2016)
3. Fellow, American Academy of Arts and Sciences, USA (2016)
4. Weldon Prize, Oxford University (2016)
5. Conservation Champion Award, The Nature Trust of BC (2015)
6. Sewall Wright Award, American Society of Naturalists (2015)
7. Fellow, National Academy of Sciences, USA (2013)
8. MacArthur Fellow (2011-2016)
9. Guggenheim Fellow (2011-2012)
10. Canada Research Chair (Tier I; 2009)
11. Steacie Prize (2008)
12. Fellow, Royal Society of Canada (2006)
13. NESCent Sabbatical Research Award, NESCent, North Carolina (2006)
14. Killam Faculty Research Fellowship, UBC (2006)
15. McDowell Award for Excellence in Research, UBC (2004)
16. Poste Rouge, CNRS, France (2001)

17. Steacie Fellowship (2001-2003)
18. Distinguished Scholar in Residence, Peter Wall Institute for Advanced Studies, UBC (1999)
19. Young Investigator Prize, American Society of Naturalists (1995)
20. Award for Exceptional Contributions in Teaching, Stanford University (1992)
21. F. L. Kallman Award for Excellence in Science and Graduate Study, Stanford University (1992)
22. Firestone Medal for Excellence in Research, Stanford University (1988)
23. Dean's Award for Academic Achievement, Stanford University (1988)
24. Elected to Phi Beta Kappa, Stanford University (1988)
25. President's Award for Academic Excellence in the Freshman Year, Stanford University (1986)

Memberships:

1. Member, Advisory Board, Quebec Centre for Biodiversity Science (2018-present)
2. Member of the Data Science Institute, UBC (2016-present)
3. Member of the Bioinformatics Graduate Program, UBC (2015-present)
4. Member of the Genetics Graduate Program, UBC (1998-2014)
5. Adjunct Professor, Department of Botany, UBC (1998-present)
6. Member of the Institute of Applied Mathematics, UBC (1996-present)
7. Member of the Biodiversity Research Centre, UBC (1995-present)
8. Associate, CIAR Program in Evolutionary Biology (2002-2007)

Professional Experience:

1. Chair, Biodiversity and Land Management Committee, The Nature Trust of BC (2017-2018)
2. Member, Species at Risk Advisory Committee (Minister appointment, ECCC) (2017-2020)
3. President (elected), Society for the Study of Evolution (2016-2018)
4. Advisory Board, Monographs in Population Biology book series, Princeton University Press (2016-present)
5. Board Member, The Nature Trust of BC (2015-present)
6. Editorial Board, Annual Review of Ecology, Evolution, and Systematics (2011-2016)
7. Council member (elected), European Society of Evolutionary Biology (2011-2015)
8. Vice President (elected), European Society of Evolutionary Biology (2009-2011)
9. Panel Member, Council of Canadian Academies, Expert Panel on Biodiversity Science (2009-2010)
10. Secretary (elected twice), Canadian Society for Ecology and Evolution (2006-2012)
11. Vice President (elected), American Society of Naturalists (2007-2008)
12. Vice President (elected), Society for the Study of Evolution (2006)
13. Assistant Editor, *Evolution* (2006-2008)
14. Science Board, National Evolutionary Synthesis Center (NESCent 2005-2008)
15. Editorial Board, *Biology Letters*, Royal Society of London (2005-2010)
16. Advisory Editorial Board, *Trends in Ecology and Evolution* (TREE 2004-present)
17. Council member (elected), Society for the Study of Evolution (2001-2004)
18. Council member (elected), American Genetic Association (2002-2004)
19. Journal Club writer for *Trends in Ecology and Evolution* (TREE; 2001-2002)
20. Assistant Editor, *Genetics* (2002-2005)
21. Assistant Editor, *Theoretical Population Biology* (1994-present)
22. Assistant Editor, *American Naturalist* (1997-2001)

Teaching and Administrative Experience (Selected):

1. Director (Founding), Liber Ero Post-doctoral Fellowship Program (2013-present)
2. Co-coordinator, BRITE internship program (2018-present)
3. Chair, UBC Presidents Excellence Chair in Biodiversity search committee (2017-2018)
4. Scientific Advisory Board, EMBO *Experimental Approaches to Evolution and Ecology Using Yeast and Other Model Systems*, EMBO (2017-present)
5. Committee member (Chair in 2018), SSE Fisher Prize Committee (2016-present)
6. Program Committee Member, NSERC CREATE Training Program for Future Ocean Leaders (2016-2021)
7. Member, President's Academic Advisory Committee Meeting, UBC (2015-2016)
8. Member, MITACS Canadian Science Policy Fellowship Advisory Council (2016-present)
9. Co-chair, Implementation committee, Science Integrity Project <http://scienceintegrity.ca> (2015)
10. Member, Temporary Nominating Group, National Academy of Sciences (2014-2016)
11. Member, CFREF Research Excellence Task Force, UBC (2014-2015)
12. Chair, Beaty Biodiversity Museum Advisory Committee (2013)
13. Member, Scientific Advisory Committee, Council of Canadian Academies (2013-2016)
14. Member, International Academic Advisory Committee, Peter Wall Institute for Advanced Studies (2012-2015)
15. Member, Committee on Expert Panels, Royal Society of Canada (2011-2016)
16. Chair, John Maynard Smith Prize Committee of the European Society of Evolution Biology (2011)
17. Member, Advisory committee to the Provost on a UBC Policy School (2011)
18. Chair, Outreach Committee of the European Society of Evolution Biology (2010-2014)
19. Member, Nominations Committee of the Society for the Study of Evolution (2010-2012)
20. Faculty, Course in Evolutionary Biology, Guarda Switzerland (2010)
21. Member, Advisory Committee, Peter Wall Institute for Advanced Studies (2009-2011)
22. Member, UBC Sustainability Academic Strategy Working Group (2009-2010)
23. Member, VP Research Strategic Planning Sessions, UBC (2009)
24. Leader, NSERC CREATE Training Program in Biodiversity Research (2009-2015)
25. Director, Biodiversity Research Centre (2008-2016)
26. Member, Faculty Affairs Committee, Faculty of Science (2007-2008)
27. Member, Vivien M. Srivastava Memorial Graduate Bursary committee (2007-2011)
28. Member, UBC's NSERC General Research Fund (2007-2011)
29. Member, Committee to review France-Canada Research Fund grants (2007-2008)
30. Member, VP Research search committee, UBC (2005)
31. Member, Advisory Committee, Genetics Program (2002-2005)
32. Ecology, Evolution, and Biodiversity seminar series coordinator (2002-2009)
33. Member, NSERC Circle for strategic scientific advice (2001-present)
34. Member, Advisory Committee, Institute of Applied Mathematics (2001-2003)
35. Developed and taught Biomathematics 301, Zoology UBC (1997-present)
36. Developed and taught Evolutionary Genetics 336, Zoology UBC (1998-2006)
37. Co-developed and co-taught Population and Quantitative Genetics 500D, Zoology UBC (1996-2008)
38. Co-taught Biology 120 elective 27A, Zoology UBC (1997)
39. Mentor in the mentoring program for first year science students, UBC (1997)

Conference and Symposium Organization:

1. Symposium at the European Society for Evolutionary Biology. Montpellier, France (2018)
2. Models in Evolutionary Biology, CMO-BIRS (Co-organized), Oaxaca Mexico (2016)
3. Canadian Society of Ecology and Evolution, UBC (2008)
4. Vice President's Symposium, American Society of Naturalists (2008)
5. Symposium at the European Society for Evolutionary Biology. Arnhem, Netherlands (1997)
6. Symposium at the European Society for Evolutionary Biology. Edinburgh, Scotland (1995)

Invited Keynote Speaker:

1. Presidential Plenary, Society for the Study of Evolution, Portland OR (2017)
2. Presidential Award, Canadian Society for Ecology and Evolution, Victoria BC (2017)
3. EvoWIBO Keynote Speaker (2016)
4. Atwood Lecture, University of Toronto (2015)
5. Women in Science, Engineering, and Technology exchange lecturer to Japan (nominated by the Royal Society of Canada). While in Japan, I gave six seminars to high school students, the National Women's Education Center, and various Universities (2008)
6. Plenary speaker, European Society of Evolutionary Biology, Sweden (2007)
7. Plenary speaker, American Genetics Association, Bloomington (2007)
8. Plenary speaker, Genetics Society conference on Meiosis, London (2006)
9. IOI Annual Retreat, University of Idaho and Washington State University (2004)
10. Annual Zoology Graduate Student Symposium (2000)
11. UBC/SFU/UW Ecology and Evolution Retreat (1995)

Invited Symposium Speaker:

1. Vice President's Symposium, American Society of Naturalists, Montpellier, France (2018)
2. Genomics Forum, Genomics BC, Vancouver BC (2017)
3. Experimental Approaches to Ecology and Evolution, EMBL, Heidelberg Germany (2016)
4. 'Fitness workshop', CNRS, Paris (2016)
5. Society for Molecular Biology and Evolution, Puerto Rico (2014)
6. American Society of Naturalists, Asilomar, CA (2014)
7. Simon's Institute, Berkeley CA (2013)
8. Jacques Monod Conference, Roscoff, France (2013)
9. International Conference on Mathematical Modeling and Analysis of Populations in Biological Systems, San Antonio, Texas (2011)
10. International Conference on Modelling Life Sciences, Shanghai China (2011)
11. Mathematical Models in Ecology and Evolution, Groningen Netherlands (2011)
12. CUSO Workshop, Evolution in Metapopulations, La Foully Switzerland (2009)
13. Evolutionary and Environmental Genomics of Yeast, EMBO, Heidelberg Germany (2008)
14. Vice President's Symposium, American Society of Naturalists, Minneapolis (2008)
15. Evolution and Levels of Selection, Green College UBC (2008)
16. Genetic Recombination: Mechanisms, Evolution, and Human Development, University of Washington (2006)
17. PARTNER-4: European Science Foundation-Linnean Society Meeting, London (2005)
18. Gordon Research Conference on Microbial Population Biology, Vermont (2005)
19. Miller Symposium, UC Berkeley (2004)
20. XIX International Congress of Genetics, Melbourne, Australia (2003)

21. Gordon Research Conference on Quantitative Genetics, Ventura, California (2003)
22. Gordon Research Conference on Molecular Evolution, Ventura, California (2002)
23. Annual meeting of the European Society for Evolutionary Biology, Århus, Denmark (2001)
24. Jacque-Monod conference, Aussois, France (2001)
25. Annual meeting of the European Society for Evolutionary Biology, Scotland (1995)
26. Annual meeting of the American Society of Naturalists (Young Investigators Prize Symposium), Montreal, Canada (1995)
27. Fifth meeting on Biodiversity Dynamics and Conservation Biology, Paris, France (1993)
28. Annual meeting of the European Society for Evolutionary Biology, France (1993)
29. Annual meeting of the Society for the Study of Evolution, Snowbird, Utah USA (1993)

Invited Presentations:

University of Queensland (2019); Monash University (2019); Brant Festival, Parksville BC (2019); UBC-Okanagan (2018); University of Colorado, Boulder (2018); University of Guelph (2018); University of Pennsylvania (2018); University of Arizona (2017); UC Davis (Storer Lecture, 2017); Oxford University (Weldon prize, 2016); Harvard University (2016); Duke University (2016); University of North Carolina (2016); UC San Diego (2016); University of Victoria (2016); University of Montana (2016); Miller Institute California (2016); UC Berkeley (2015); Institute of Science and Technology, Austria (2015); Institut für Populationsgenetik, Vetmeduni Vienna (2015); Gregor Mendel Institute, Vienna (2015); University of Idaho, Moscow ID (2015); University of Washington, Seattle (2015); Stanford University (2014); Santa Fe Institute (2013); University of Chicago (2013); University of Michigan (2013); McGill (2012); University of Massachusetts, Amherst (2012); Stony Brook (2012); University of Houston (2012); Michigan State University (2011); University of Texas, Austin (2011); University of Kansas (2011); Kavli Institute for Theoretical Physics (2011); University of Alberta (2010); Duke University (2010); University of Washington (2010); USC (2010); UC Davis (2009); UCLA (2009); CIFAR Genetics Network meeting (2009); University of Ottawa (2008); NRC Ottawa (Steacie Prize Lecture, 2008); University of Idaho (2008); University of Pittsburgh (2008); Western Washington University (2008); Oregon State University (2007); North Carolina State University (2007); William and Mary (2007); University of Iowa (2007); Wake Forest University (2007); National Evolutionary Synthesis Center (2006); McMaster University (2006); York University (2006); University of North Carolina (2006); BC Humanists Society (2006); University of Arizona (2005); University of New Brunswick (2005); Café Scientifique, Vancouver (2004); University of British Columbia (2004); University of Alberta (2004); Partnership Group for Science and Engineering, Ottawa (2003); Yale (2003); University of Oregon (2003); University of California, San Diego (2002); Duke University (2002); Stanford University (2002); University of Guelph (2001); University of Toronto (2001); University of Lund, Sweden (2001); University of Århus, Denmark (2001); University of Basel, Switzerland (2001); University of Zurich, Switzerland (2001); University of Montpellier (2001); University College of London (2000); University of Edinburgh (2000); University of Texas, Austin (2000); Florida State University (1999); University of Georgia (1999); University of Rochester (1999); Université Paris (1999); Western Washington University, Bellingham (1999); University of Edinburgh (1999); University of Arizona (1999); Washington State University, Pullman (1998); University of Indiana (1998); Plant Gene Expression Center, UC Berkeley (1998); University of Oregon (1998); McGill University (1997); University of Paris (1997); University of Victoria (1996); Simon Fraser University (1996); Canadian Institute for Advanced Research (1996); University of Edinburgh (1995); University College of London (1994);

Columbia University (1994); University of Texas at Austin (1994); University of Arizona (1993); Pennsylvania State University (1993); University of California at Santa Cruz (1993); Cornell University (1993); University of California at Berkeley (1992); University of Toronto (1992); University of Wisconsin, Madison (1991)

Supervisory Experience:

Post-doctoral supervisor for:

1. Dr. Matt Pennell, NSERC fellow (2015)
2. Dr. Nathaniel Sharp, Killam & Banting fellow (2014 - 2019) [Co-advised]
3. Dr. Anna Hargreaves, Biodiversity Post-Doctoral fellow (2014 - 2017) [Co-advised]
4. Dr. Kazuhiro Bessho, Japan Society for the Promotion of Science (JSPS) Research Fellow (2014-2016)
5. Dr. Jenn Sunday, Biodiversity Post-Doctoral fellow (2013 - 2017) [Co-advised]
6. Dr. Chris Muir, Biodiversity Post-Doctoral fellow (2013 - 2017) [Co-advised]
7. Dr. Carl Rothfels, NSERC Post-Doctoral fellow (2013-2015)
8. Dr. Juan Santos, Biodiversity Post-Doctoral fellow (2012-2014) [Co-advised]
9. Dr. Elizabeth Wolkovich, Biodiversity Post-Doctoral fellow (2012 - 2013) [Co-advised]
10. Dr. Florence Débarre, Biodiversity Post-Doctoral fellow (2012-2013) [Co-advised]
11. Dr. Jill Jankowski, Biodiversity Post-Doctoral fellow (2010-2012) [Co-advised]
12. Dr. Thor Veen, Biodiversity Post-Doctoral fellow (2010-2013) [Co-advised]
13. Dr. Michael Barker, Biodiversity Post-Doctoral fellow (2010-2011) [Co-advised]
14. Dr. Nathan Kraft, Biodiversity Post-Doctoral fellow (2010-2012) [Co-advised]
15. Dr. Itay Mayrose, Killam Post-Doctoral fellow (2008-2010)
16. Dr. Arianne Albert, NSERC Post-Doctoral fellow (2007-2009) [Co-advised]
17. Dr. Kay Hodgins, Martha Piper Fund Post-Doctoral fellow (2007-2008) [Co-advised]
18. Dr. Aneil Agrawal, NSERC Post-Doctoral fellow (2003-2004)
19. Dr. Carrie-Ann Whittle, NSERC Post-Doctoral fellow (2003-2005)
20. Dr. Andy Peters, teaching Post-Doctoral fellow (2002-2004)
21. Dr. Janette Boughman, teaching Post-Doctoral fellow (2001-2002)
22. Dr. Phillip Awadalla, NSERC and Killam Post-Doctoral fellow (2000-2001)
23. Dr. Mario Pineda-Krch, Swedish Post-Doctoral fellow (2000-2001)
24. Dr. Toby Johnson, Wellcome International Post-Doctoral fellow (2000-2002)
25. Dr. Thomas Lenormand, INRA Post-Doctoral fellow (1999-2000)
26. Dr. Troy Day, Killam Post-Doctoral fellow (1998-1999)
27. Dr. Barbara Mable, Killam Post-Doctoral fellow (1996-1998)

Ph.D. supervisor for:

1. Freek de Haas (2017-present)
2. Seth Watt (2017-present)
3. Shing Zhan, Bioinformatics Program (2016-present)
4. Linnea Sandell, Department of Zoology (2015-present)
5. Ailene MacPherson, Department of Zoology (2015-present)
6. Matthew Osmond, Department of Zoology (2013-2018)
7. Jasmine Ono, Department of Zoology (2011-2017)
8. Michael Scott, Department of Botany (2011-2016)
9. Elizabeth Kleynhans, Department of Zoology (co-supervised with Mark Vellend; 2010-2018)

10. Kate Ostevik, Department of Botany (co-supervised with Loren Rieseberg; 2010-2016)
11. Alirio Rosales, Department of Philosophy (co-supervised with John Beatty; 2007-2014)
12. Aleeza Gerstein, Department of Zoology (2007-2012)
13. Rich FitzJohn, Department of Zoology (2007-2012)
14. Leithen M'Gonigle, Department of Zoology (2005-2011)
15. Crispin Jordan, Department of Zoology (2005-2011)
16. Dilara Ally, Department of Forestry (co-supervised with Kermit Ritland; 2001-2007)
17. Risa Sargent, Department of Zoology (2000-2005)
18. Jana Heilbuth, Department of Zoology (1997-2001)

M.Sc. supervisor for:

1. Shahab Zareyan (co-supervised with Christoph Hauert; 2017-2018)
2. Karen Magnuson-Ford, Department of Zoology (2010-2011)
3. Aleeza Gerstein, Department of Zoology (2004-2006)
4. Jessica Hill, Department of Zoology (2003-2006)
5. Audrey de Koning, Genetics Program (1999-2002)
6. Arthur Poon, Department of Zoology (1998-2000)

Honour's thesis supervisor for:

1. Ron Blutrich, Department of Zoology (2016-2017)
2. Jane Shen, Department of Zoology (2007-2008)
3. Momoko Price, Department of Zoology (2005-2006)
4. Mohammad Mandegar, Department of Zoology (2003-2006)
5. Paul Yong, Department of Zoology (1998-1999)
6. Josie Hughes, Department of Zoology (1996-1998)

Undergraduate research assistant supervisor for:

1. Matthew Stasiuk (2018-present)
2. Christina Hsu (2018)
3. Jocelyn Chan (2018)
4. Alireza Ghaseminejad (2018-present)
5. Chris James (2016-2018)
6. Lesley Miller (2015-2018)
7. Ryan Stratychuk (2015-2016)
8. Andy An (2015)
9. Courtney Van Den Elzen (2014-2016) (Faculty of Science USRA)
10. Robert Vander Velde (2014) (NSERC CREATE USRA)
11. Tom Zochowski (2014)
12. Xinya Wang (2012-2015)
13. Angelica Lillico-Ouachour (2012-2013)
14. Marcus Campbell (2012-present)
15. Tracey Hinder (2011-2012)
16. Anna Van Tol (2011)
17. Andrea Au (2010-2011)
18. Shing Hei Zhan (2010-2011)
19. Sherry Lee (2010-2011)

20. William Li (2010-2011)
21. Yukon Chen (2010)
22. Karl Heilbron (2010-2011) (NSERC USRA)
23. Ann Marie Crotty (2009-2010)
24. Lisa Anderson (2009)
25. Ryan Godfrey (2009)
26. Dara Lo (2009-2012)
27. Emma Hodgson (2009) (NSERC USRA)
28. Tina Jeng (2008-2009)
29. William Tang (2007-2009)
30. Philip Greenspoon (2008) (NSERC USRA)
31. Gurpreet Khaira (2008)
32. Jane Shen (2007-2008)
33. Stephan Dick (2005-2006)
34. Momoko Price (2005-2006)
35. Leslie Cleathero, Department of Zoology (2005) (NSERC USRA)
36. Simon Fung, Department of Zoology (2004) (NSERC USRA)
37. Patrick Wu, Department of Zoology (2004) (NSERC USRA)
38. Mohammad Mandegar, Department of Zoology (2003-present) (NSERC USRA)
39. Laura Glaubach (2003-present)
40. Jason Oh (2001-2002)
41. Elizabeth Chun, Department of Zoology (2000-present)
42. Elie Dolgin, NSERC summer fellowship (2002) (NSERC USRA)
43. Matthew Wang, Department of Zoology (2001-2002)
44. Rod Docking, Department of Zoology (2000-2001)
45. Katriina Ilves, Department of Zoology (1999-2001)
46. Christy Haywood-Farmer, Department of Zoology (1999-2000)
47. Maren Friesen, Department of Zoology (1999)
48. Christa Peters, Department of Zoology (1998-1999)
49. Ryan Garrett, Department of Zoology (1998)
50. Azadeh Nasiry, Department of Zoology (1998)
51. Nina Piggot, Department of Zoology (1997-1998)
52. Josie Hughes, Department of Zoology (1997)
53. Rima Sultan, Department of Zoology (1996)

Books, Reports, and Edited Volumes:

1. Potvin, C. et al. (2017) Re-Energizing Canada: Pathways to a Low-Carbon Future. Pp. 67. (Dialogues group consisted of 71 members; **S. Otto** was a contributing co-author.)
2. Potvin, C, S Aitken, F Anctil, E Bennett, F Berkes, J Byrne, I Creed, A Cunsolo Willox, A Dale, D de Lange, M Entz, L Fraser, G Hoberg, M Holden, AL Jacob, S Jodoin, L Margolis, J Meadowcroft, C Morency, N Mousseau, K Oakes, **SP Otto**, D Paquin, A Perl, A Potvin, C Raudsepp-Hearne, B Sinclair, N Slawinski, M Stoddart, & T Wright. (2015) Acting on Climate Change: Solutions from Canadian Scholars. Sustainable Canada Dialogues, pp. 58, <http://www.sustainablecanadialogues.ca/en/scd>.
Media coverage: Received wide national and international media attention, including Science, The Guardian, CBC, Radio Canada, Global TV, The Globe and Mail, Yahoo News, and Alternatives Journal.

3. The Expert Panel on Biodiversity Science (2010) Canadian Taxonomy: Exploring Biodiversity, Creating Opportunity. Council of Canadian Academies, pp. 126. (Panel consisted of 14 members; we co-authored the report.)
4. Otto, S.P., editor (2009) The Evolution of Sex. Symposium Issue of the *American Naturalist*. This issue contains seven contributed papers resulting from the Vice President's Symposium at the 2008 annual meetings of the American Society of Naturalists.
5. **Otto, S. P.** and T. Day (2007) A Biologist's Guide to Mathematical Modeling in Ecology and Evolution, Princeton University Press, pp. 732.
Many biologists have the potential to write and analyze their own mathematical models, but they lack the necessary training. Dr. Troy Day (Queen's University) and I developed this book to enable biologists to learn the various steps involved in mathematical modeling. Our goal was to describe the art of modeling and to teach methods that are frequently used by theoreticians but are not typically accessible to most biologists. We describe the process of developing and checking equations, exploring dynamics, and obtaining analytical results using a variety of methods. The book has received very favorable reviews (Trends in Ecology and Evolution, Quarterly Review of Biology, Evolution, and SIAM) and won Honorable Mention within the category "Biological Sciences" for the 2007 Awards for Excellence (Association of American Publishers). The book is available from Princeton University Press (for sample chapters and other material see <http://www.zoology.ubc.ca/biomath>).
6. Clark, A. G., **S. P. Otto**, and M. Lynch, editors (2002) *Genomes and Evolution*. Current Opinion in Genetics and Development, Volume 12, Issue 6. Elsevier Science, London.

Publications (Names of students and post-doctoral fellows are italicized):

7. **Otto, S. P.** (2019) Evolutionary potential for genomic islands of sexual divergence on recombining sex chromosomes. *New Phytologist*, in press.
8. Hanlon, V. C., **S. P. Otto**, and S. N. Aitken (2019), Somatic mutations substantially increase the per-generation mutation rate in the conifer *Picea sitchensis*. *Evolution Letters*. doi:10.1002/evl3.121
9. **Otto, S. P.**, and B. Payseur (2019) Crossover interference: shedding light on the evolution of recombination. *Annual Review of Genetics*, in press.
10. *Urquhart-Cronish, M.* and **S. P. Otto** (2019) Gender and language use in scientific grant writing. *FACETS*, in press.
11. **Otto, S. P.**, and A. Rosales (2019) Theory in service of narratives in evolution and ecology. *American Naturalist*, in press.

12. Bazzicalupo, A. L., F. Carpentier, **S. P. Otto**, and T. Giraud (2019) Little evidence of antagonistic selection in the evolutionary strata of fungal mating-type chromosomes (*Microbotryum lychnidis-dioicae*). *G3*, 9:1987-1998.
13. Coristine, L. E., S. Colla, N. Bennett, A. Carrlsson, C. Davy, K. T. Davies, B. Favaro, D. T. Flockhart, K. Fraser, D. Orihel, **S. P. Otto**, W. J. Palen, J. L. Polfus, O. Venter, and A. T. Ford (2019) National contributions to global ecosystem values. *Conservation Biology*, in press. doi:10.1111/cobi.13284
14. Westwood, A. R., **S. P. Otto**, A. Mooers, C. Darimont, K. E. Hodges, C. Johnson, B. M. Starzomski, C. Burton, K. M. A. Chan, M. Festa-Bianchet, S. Fluker, S. Gulati, A. L. Jacob, D. Kraus, T. G. Martin, W. J. Palen, J. D. Reynolds, and J. Whitton (2019) Protecting biodiversity in British Columbia: recommendations for developing species at risk legislation. *FACETS* 4: 136–160.
15. Altenberg, L., et al. (2019) Some topics in theoretical population genetics: editorial commentaries on a selection of Marc Feldman's TPB papers. *Theoretical Population Biology*, in press.
16. **Otto, S. P.** (2018) Adaptation, speciation and extinction in the Anthropocene. *Proc. R. Soc. B* 285: 20182047.
17. Immler, S., and **S. P. Otto** (2018) The evolutionary consequences of selection at the haploid gametic stage. *American Naturalist*, 192: 241-249.
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Other Publications (Names of students and post-doctoral fellows are italicized):

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¹ As a matter of policy, I do not put my name on the papers of my students and post-doctoral fellows unless I make a major contribution beyond brainstorming, advising, and editing.

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