

**CURRICULUM VITAE**  
Andrew T. Storfer

---

**I. BIOGRAPHICAL INFORMATION**

---

**1. Contact information**

School of Biological Sciences  
Washington State University  
Pullman, WA 99164  
Phone: (509) 335-7922  
Fax: (509) 335-3184  
Email: [astorfer@wsu.edu](mailto:astorfer@wsu.edu)

**2. Education**

8/97-7/99      Maytag Postdoctoral Research Associate, Arizona State University  
8/92-8/97      Ph.D. Biology, University of Kentucky  
8/87-5/91      B.S. Biology, State University of New York at Binghamton

**3. Professional Experience**

2013-present    Professor, Washington State University  
2010-2017      Associate Director for Graduate Studies, School of Biological Sciences, WSU  
2012-2015      Eastlick Distinguished Professor, Washington State University  
2008-2009      Fulbright Senior Scholar, James Cook University/ University of Tasmania, Australia  
8/07-8/13      Associate Professor, School of Biological Sciences, WSU  
8/01-8/07      Assistant Professor, School of Biological Sciences, WSU  
9/05-8/08      Adjunct Associate Professor, Zoology, Oklahoma State University  
8/99-7/01      Assistant Professor, University of Florida  
8/97-7/99      Maytag Postdoctoral Research Associate, Arizona State University  
1992            Fish and Wildlife Biologist, US Fish and Wildlife Service, Sacramento, CA

**4. Training**

1996            Smithsonian, NOAHS, Recent Advances in Conservation Genetics. Front Royal, VA.  
1995            OTS, Conservation Biology Course 95-11, Costa Rica.  
1989            School for Field Studies, Marine Mammal Conservation, Hawi, HI.

---

**II. RESEARCH AND SCHOLARLY ACTIVITIES**

---

**Research Support**

*Total Funding: \$12.85 million (\$4.57 million current); 24 total awards – 15 PI, 9 Co-PI*

*Current Funding*

2017-2021      “Evolution of cancer transmission” PI: Andrew Storfer, Co-PIs: Paul Hohenlohe,  
Menna Jones and Hamish McCallum  
Source: NIH R01; \$2,324,299

2013-2018      “Transmission, emergence and evolution of Tasmanian devil facial tumor disease”  
PI: Andrew Storfer, Co-PIs: Paul Hohenlohe, Menna Jones, Hamish McCallum,  
Elizabeth Murchison  
Source: NSF EEID; \$2,250,000

*Pending Support*

2019-2022 “Evolutionary conservation biology to restore wildlife species”  
 PI: Menna Jones, Co-PIs: E. Cameron, A. Storfer, P. Hohenlohe, B. Ujvari,  
 Daniel Blumstein. Source: Australian Research Council; \$600,000 (AUD)

*Prior Funding*

2015-2016 “Evolutionary Genomics of Range Limits in an Endemic Salamander” PI: Andrew  
 Storfer; Co-PI: Steven Micheletti  
 Source: NSF; \$19,630

2014-2016 “Addressing the computational challenges in landscape genomics” PI: Andrew  
 Storfer; Co-PIs: Mike Antolin and Mary Poss  
 Source: NIMBioS working group

2014-2015 “An empirical test of species range limit evolution using the world's largest amphibian  
 invasion” PI: A. Storfer; Co-PI: D. Trumbo  
 Source: NSF; \$19,630

2013-2015 “Molecular Identification of Tiger Salamanders on Ft. Huachuca Army Center, AZ” PI:  
 Andrew Storfer  
 Source: US Army; \$60,000

2011-2014 “Heterogeneity in disease susceptibility of Tasmanian devils” PI: Menna Jones; Co-PIs  
 Hamish McCallum, Katherine Belov, Claire Wade, Andrew Storfer  
 Source: Australian Research Council; \$370,000

2013 “Developing a roadmap for the future of landscape genomics” PI: Andrew Storfer; Co-  
 PIs: Mike Antolin & Mary Poss  
 Source: National Evolutionary Synthesis Center (Catalysis Meeting)

2009-2011 “Working group in Landscape Genetics”  
 PIs: Bryan Epperson, Michael Rosenberg and Andrew Storfer  
 Source: National Center for Ecological Analysis and Synthesis; \$80,000

2005-2011 “Type N Experimental Buffer Treatment Study: Genetics of *Ascaphus truei* and  
*Dicamptodon copei*”  
 PI: Andrew Storfer  
 Source: Washington Department of Natural Resources; \$550,204

2006-2009 “Coevolution and local adaptation in a salamander-virus system”  
 PI: Andrew Storfer  
 Source: National Science Foundation; \$364,500

2005-2008 “The Importance of Landscape Connectivity for Amphibian Conservation: Genetic  
 Analysis of Movements of Columbia Spotted Frogs in the Bighorn Crags, ID”  
 PI: Andrew Storfer  
 Source: Amphibian Monitoring and Research Initiative USGS; \$50,394

2006-2008 “Limits to species' ranges: A comparative landscape genetic study of two amphibian  
 species in Yellowstone National Park”  
 PI: Andrew Storfer; Co-PI: Melanie Murphy  
 Source: National Science Foundation; \$12,000

- 2002-2007 “Emerging wildlife diseases: Threats to amphibian biodiversity”  
 PI: James Collins, Co-PIs: Andrew Storfer, Nicholas Cohen, Elizabeth Davidson, and Joyce Longcore. Source: National Science Foundation; \$3,392,597
- 2006 “Landscape genetics of tailed frogs, *Ascaphus montanus*, in Northern Idaho”  
 PI: Andrew Storfer  
 Source: Potlatch Corporation; \$8,000
- 2004-2006 “Phylogeography and population genetics of Dicamptodontid salamanders”  
 PI: Andrew Storfer; Co-PI: Craig Steele  
 Source: Washington State Department of Fish and Wildlife; \$16,500
- 2005-2006 “Initiation of Collaboration: Disease Ecology and Evolution”  
 PI: Andrew Storfer  
 Source: Washington State University; \$10,500
- 2005 “Molecular Identification of Giant Salamanders in Mt. Rainier National Park and Ft. Clatsop”  
 PI: Andrew Storfer  
 Source: National Park Service; \$10,000
- 2003-2006 “MRI: Acquisition of DNA analysis equipment for research and training in ecology and evolution”  
 PI: Mike Webster; Co-PIs: Andrew Storfer, Steve Sheppard, Larry Hufford, Eric Roalson  
 Source: National Science Foundation; \$483,979
- 1999-2002 “Host-pathogen biology and the global decline of amphibians.”  
 PI: James Collins, CoPIs: Andrew Storfer, Nicholas Cohen, Elizabeth Davidson, and Joyce Longcore  
 Source: National Science Foundation, \$2,975,822
- 1999-2002 “Amphibians using isolated ponds in Florida longleaf pine uplands: Population dynamics and assessment of monitoring methodologies”  
 PI: Andrew Storfer, Co-PIs: Cathryn Greenberg and George Tanner  
 Source: Florida Fish and Wildlife Conservation Commission; \$41,969
- 1999-2002 “Ecology of disease and its role in shaping life history.”  
 PI: James Collins, Co-PIs: Elizabeth Davidson and Andrew Storfer  
 Source: National Science Foundation; \$235,000
- 1998-1999 “Workshop on Amphibian Population Dynamics: Is the Threat of Extinction Increasing for Amphibians?” PI: James Collins, Co-PIs: Andrew Storfer and Elizabeth Davidson  
 Source: National Science Foundation; \$30,000
- 1997-1999 “An assessment of the molecular genetic status of tiger salamanders on the Fort Huachuca Military Reserve” PI: Andrew Storfer, Co-PI: James Collins  
 Source: Army Corps of Engineers; \$28,124

### 3. Awards and Honors

#### *International Awards*

- 2008-2009 Fulbright Senior Scholar Fellowship; Australian-American Fulbright Commission

*National Awards*

- 1997-1999 Maytag Postdoctoral Fellowship, Arizona State University  
 1997 Warder Clyde Allee Award, best student paper, Animal Behavior Society  
 1996 The Herpetologist's League Award for Graduate Research  
 1994-1995 NSF/EPSCoR Graduate Research Award

*University Awards*

- 2012-2015 Eastlick Distinguished Professor, Washington State University  
 2007 Tom Lutz Memorial Teaching Award, College of Sciences, WSU  
 1996 University of Kentucky Dissertation Year Fellowship.  
 University of Kentucky Graduate School Fellowship.  
 1995 University of Kentucky Open Competition Fellowship.  
 University of Kentucky Dissertation Year Research Support.  
 1994 Robert A. Keuhne Research Award.  
 1992 University of Kentucky Quality Achievement Award.  
 1991 Outstanding Academic Performance, SUNY Binghamton

**4. Publications**

**4a. Books**

1. Balkenhol, N., Cushman, S., Storfer, A. and L.P. Waits. 2015. Landscape genetics: Concepts, methods and applications. Wiley-Blackwell, Oxford, UK.

**4b. Peer-reviewed articles**

86. Storfer, A., P.A. Hohenlohe, M.J. Margres, H.I. McCallum, A.H. Patton, A.K. Fraik, M. Lawrance, L. Ricci, A. Stahlke, M.E. Jones, *in press*. The Devil is in the Details: Genomics of a Transmissible Cancer in Tasmanian Devils. *PLoS Pathogens*.
85. Storfer, A., A.H. Patton and A. K. Fraik. 2018. Navigating the intersection of landscape genomics and landscape genetics. *Frontiers in Genetics*. doi.org/10.3389/fgene.2018.00068
84. Jones, M., R. Hamede, A. Storfer, P. A. Hohenlohe., E. Murchison, H. McCallum. 2018, *in press*. Emergence, transmission and evolution of an uncommon enemy: Tasmanian devil facial tumour disease. Pp. xxx-xxx In Wilson, Fenton and Thompkins (Eds.) Wildlife Disease Ecology: Linking Theory to Data and Application. Cambridge University Press, Cambridge, UK.
83. Wells, K., R.K. Hamede, A. Storfer, P.A. Hohenlohe, M.E. Jones and H. I. McCallum. 2017. Infection of the fittest: devil facial tumour disease has greatest effect on individuals with highest reproductive output. *Ecology Letters* 20: 770-778.
82. Storfer, A., B. Epstein, M. Jones, S. Micheletti, S.F. Spear, S. Lachish and S. Fox. 2017. Landscape genetics of the Tasmanian devil: Implications for the spread of an infectious cancer. *Conservation Genetics*. 18: 1287-1297; DOI: 10.1007/s10592-017-0980-4
81. Hendricks, S. B. Epstein†, B Schönfeld, C. Wiench, R. Hamede, M. Jones, A Storfer and P. Hohenlohe. 2017. Conservation implications of limited genetic diversity and population structure in Tasmanian devils (*Sarcophilus harrisii*). *Conservation Genetics* 18: 977-982.
80. Micheletti, S\*\* and A Storfer. 2017. An approach for identifying cryptic barriers to gene flow that limit species' geographic ranges. *Molecular Ecology* 26: 490-504.
79. Lowry, DB., S Hoban, JL Kelley, KE Lotterhos, LK Reed, MF Antolin and A Storfer. 2017. Responsible RAD: Striving for best practices in population genomic studies of adaptation. *Molecular Ecology Resources* 17: 366-369.

78. Greenberg, C.H, S. A. Johnson, R. Owen and A. Storfer, 2017. Amphibian breeding phenology and reproductive success at isolated ephemeral wetlands: An examination using concurrent terrestrial and aquatic sampling. *Canadian Journal of Zoology* 95: 673-684.
77. Epstein, B., M Jones, R Hamede, S Hendricks, H McCallum, EP Murchison, B Schönfeld, C Wiench, P Hohenlohe and A Storfer\*. 2016. Rapid evolutionary response to a transmissible cancer. *Nature Communications*. DOI: 10.1038/ncomms5084  
\*covered by *NY Times*, *Washington Post*, *Science News*, *Nature News*, *Discover*, *BBC*, etc.
76. Lowry, DB., S Hoban, JL Kelley, KE Lotterhos, LK Reed, MF Antolin and A Storfer. 2016. Breaking RAD: The utility of restriction site-associated DNA sequencing for genome scans of adaptation. *Molecular Ecology Resources*. DOI: 10.1111/1755-0998.12635 **^ISI Highly Cited**
75. Trumbo, D.R.\*\* , B. Epstein†, L. Schawazkopf, P.A. Hohenlohe, R. Alford and A. Storfer. 2016. Mixed population genomics support for the central marginal hypothesis across the invasive range of the cane toad (*Rhinella marina*) in Australia. *Molecular Ecology* 25: 4161-4176.
74. Hoban, S. JL Kelley, KE Lotterhos, MF Antolin, G. Bradburd, DB Lowry, ML Poss, LK Reed, A. Storfer and MC Whitlock. 2016. Finding the genomic basis of local adaptation in non-model organisms: pitfalls, practical solutions and future directions. *American Naturalist* 188: 379-397.  
**\* recommended by Faculty of 1000; ^ISI Highly Cited; @Hot Paper**
73. Epstein, B†. and A. Storfer. 2016. Comparative genomics of an emerging amphibian virus. *G3: Genes, Genomes, Genetics*. 6:15-27 doi: 10.1534/g3.115.023762
72. Micheletti, S\*\* . and A. Storfer. 2015. A test of the central-marginal hypothesis using population genetics and ecological niche modelling in an endemic salamander (*Ambystoma barbouri*). *Molecular Ecology* 24: 967-979.
71. Emel, S. L.\*\* . and A. Storfer. 2015. Landscape genetics and genetic structure of the southern torrent salamander, *Rhyacotriton variegatus*. *Conservation Genetics* 16: 209-221.
70. Han, B.A., J.L. Kerby, C.L. Searle, A. Storfer and A.R. Blaustein. 2015. Host species composition influences the severity of infection among amphibians. *Ecology and Evolution* 5: 1432-1439.
69. Storfer, A. 2015. Landscape genetics. *Oxford Bibliographies in Evolutionary Biology*. DOI: 10.1093/OBO/9780199941728-0066.
68. Brunner, J.L., M.J. Gray, J.T. Hoverman and A. Storfer. 2015. Ranavirus ecology and evolution. Pp. 71-104 In *Ranaviruses: Lethal Pathogens of Ectothermic Vertebrates*. Ed by: MJ Gray and VG Chinchar. Springer, Berlin, Germany, 246pp.
67. Zancolli, G., M.O. Rodel, I.G. Dewenter and A. Storfer. 2014. Comparative landscape genetics of two river frog species along an altitudinal gradient on Mt. Kilimanjaro. *Molecular Ecology* 23: 4989-5002.
66. Takahashi, M.K., J.M. Eastman\*\* , D. A. Griffin, J. Baumsteiger, M.J. Parris, and A. Storfer. 2014. A stable niche assumption-free test of ecological divergence. *Molecular Phylogenetics and Evolution* 76: 211-226.
65. Emel, S.L.\*\* and A. Storfer. 2014. Characterization of 10 microsatellite markers for the southern torrent salamander (*Rhyacotriton variegatus*). *Conservation Genetics Resources* 6: 881-882.

64. Storfer, A\*, S.G. Mech†, M.W. Reudink and K. Lew\*\*\* 2014. Inbreeding and strong population subdivision in an endangered salamander species. *Conservation Genetics* 15: 137-151.
63. Zancolli, G., A. Storfer and M.O. Rödel, 2013. Detection of *Batrachochytrium dendrobatidis* in river frogs (genus *Amietia*) on Mount Kilimanjaro, Tanzania. *Herpetological Review*.44:611-614.
62. Trumbo, D.\*\*, S.F. Spear, J. Baumsteiger and A. Storfer.\* 2013. Rangewide landscape genetics of an endemic Pacific Northwestern salamander. *Molecular Ecology*. 22: 1250-1266.
61. Emel, S.L.\*\* and A. Storfer. 2012. A decade of amphibian population genetic studies: Synthesis and recommendations. *Conservation Genetics* 13:1685-1689.
60. Dudianec, R.Y., S.F. Spear, J.S. Richardson and A. Storfer\*. 2012. Landscape vs. historical effects on genetic structure in core vs. peripheral populations of the coastal giant salamander, *Dicamptodon tenebrosus*. *PLoS ONE* 7(5): e36769
59. Storfer, A. 2012. Landscape genetics. Ch. 386, In *Encyclopedia of Biodiversity*. Ed by S. Levin. Elsevier, Amsterdam.
58. Spear, S.F., C.M. Chrisafulli and A. Storfer\*. 2012. Rapid recolonization of tailed frogs in the Mt. St Helens blast zone is moderated by post-disturbance management. *Ecological Applications* 22:856-869.
57. Kerby, J.L. †, A. Hart and A. Storfer\*. 2011. Combined effects of virus, pesticide and predator cue on the larval tiger salamander (*Ambystoma tigrinum*). *Ecohealth* 8:46-54.
56. Miller, D., M. J. Gray and A. Storfer. 2011. Ecopathology of ranaviruses infecting amphibians. *Viruses*. 3:2351-2373. doi: 10.3390/v3112351
55. Venesky, M.D., M.J. Parris, J.L. Kerby† and A. Storfer 2011. Differential patterns of disease transmission and infection in amphibian communities. *PLoS ONE* 6(9): e24991.
54. Eastman, J.M.\*\* and A. Storfer. 2011. Correlations of life-history and distributional-range variation with salamander diversification rates: Evidence for species selection. *Systematic Biology* 60:503-518.
53. Lachish, S., K.J. Miller, A. Storfer, A.W. Goldzien and M.E. Jones. 2011. Evidence that disease-induced population decline changes genetic structure and alters dispersal patterns in the Tasmanian devil. *Heredity* 106:172-182.
52. Dudianec, RY, A Storfer, SF Spear\*\* and JS Richardson. 2010. New microsatellite markers for examining genetic variation in peripheral and core populations of the Coastal Giant Salamander (*Dicamptodon tenebrosus*). *PLoS One* 5(12): e14333.
51. Manel, S., S. Joost, B. Epperson, R. Holderegger, A. Storfer, M. S. Rosenberg, K. Scribner, A. Bonin and M-J. Fortin. 2010. Perspectives on the use of landscape genetics to detect adaptive genetic variation in the field. *Molecular Ecology* 19:3760-3772.
50. Storfer, A.\* , M. A. Murphy, S. F. Spear\*\*, A. R. Holderegger and L. P. Waits. 2010. Landscape genetics: Where are we now? Invited review, *Molecular Ecology* 19:3496-3514. ^ **ISI highly cited**
49. Murphy, M. A.\*\* , R. Dezzani, D. S. Pilliod and A. Storfer. 2010. Landscape genetics of high mountain frog metapopulations: an application of gravity models. *Molecular Ecology* 19:3634-3649.

48. Murphy, M.A.\*\*\*, J.S. Evans and A. Storfer. 2010. Quantifying ecological process at multiple spatial scales using landscape genetics: *Bufo boreas* connectivity in Yellowstone National Park. *Ecology* 91: 252-261.
47. Kerby, J.L.†, K. Richards-Hrdlicka, A. Storfer and D.K. Skelly. 2010. An examination of amphibian sensitivity to environmental contaminants: Are amphibians poor canaries? *Ecology Letters* 13:60-67.
46. Spear, S.F.\*\* and A. Storfer. 2010. Anthropogenic and natural disturbance lead to differing patterns of gene flow in the Rocky Mountain tailed frog, *Ascaphus montanus*. *Biological Conservation*. 143:778-786.
45. Venesky, M.D., M. J. Parris and A. Storfer. 2009. Impacts of *Batrachochytrium dendrobatidis* infection on tadpole foraging performance. *Ecohealth* 6:565-576.
44. Storfer, A.\*, J. M. Eastman\*\* and S. F. Spear\*\*. 2009. Modern molecular methods for amphibian conservation. *Bioscience*. 59: 559-571.
43. Eastman, J.M.\*\*\*, J.N. Niedzwiecki, B.P. Nadler and A. Storfer\*. 2009. Duration and consistency of historical selection are correlated with adaptive trait evolution in the streamside salamander, *Ambystoma barbouri*. *Evolution* 63: 2636–2647.
42. Kerby, J.L.† and A. Storfer. 2009. Combined effects of atrazine and chlorpyrifos on disease susceptibility of the tiger salamander to *Ambystoma tigrinum* virus. *Ecohealth* 6:91-98.
41. Steele, C.A.\*\*\*, J. Baumsteiger and A. Storfer\*. 2009. The influence of life history variation on genetic structure in two sympatric salamander taxa. *Molecular Ecology* 18: 1629-1639.
40. Murphy, M. A.\*\*\*, J.S. Evans, S. Cushman and A. Storfer. 2008. Representing genetic variation as continuous surfaces: An approach for identifying spatial dependency in landscape genetic studies. *Ecography* 31:685-697.
39. Cotter, J.D.\*\*\*, A. Storfer, R.B. Page, C.K. Beachy and S.R. Voss. 2008. Transcriptional response of Mexican axolotls to *Ambystoma tigrinum* virus (ATV) infection. *BMC Genomics* 9: 493
38. Spear, S.F.\*\* and A. Storfer. 2008. Landscape genetic structure of tailed frogs in protected versus managed forests. *Molecular Ecology*. 17: 4642–4656.
37. Ridenhour, B. J.† and A. Storfer. 2008. Geographically variable selection in *Ambystoma tigrinum* Virus (Iridoviridae) throughout the Western United States. *Journal of Evolutionary Biology* 21:1151-1159.
36. Bolker, B.M., F. de Castro, A. Storfer., S. G., Mech., E. Harvey. and J. P. Collins. 2008. Disease as a selective force precluding widespread cannibalism: A case study of an iridovirus of tiger salamanders, *Ambystoma tigrinum*. *Evolutionary Ecology Research* 10:105-128.
35. Spear, S. F.\*\*\*, J. Baumsteiger and A. Storfer. 2008. Newly developed polymorphic microsatellite markers for frogs of the genus *Ascaphus*. *Molecular Ecology Resources* 8:936-938.
34. Steele, C. A.\*\*\*, J. Baumsteiger and A. Storfer. 2008. Polymorphic tetranucleotide microsatellites for Cope's giant salamander (*Dicamptodon copei*) and Pacific giant salamander (*Dicamptodon tenebrosus*). *Molecular Ecology Resources*. 8: 1071-1073.
33. Storfer, A.\*, M. E. Alfaro, B. J. Ridenhour†, J. K. Jancovich, S. G. Mech†, M. J. Parris and J. P. Collins., 2007. Phylogenetic concordance analysis shows an emerging pathogen is novel and endemic. *Ecology Letters*. 10:1075-1083.

32. Steele, C. A.\*\* and A. Storfer. 2007. Phylogeographic incongruence of codistributed amphibian species based on small differences in geographic distribution. *Molecular Phylogenetics and Evolution*. 43:468-479.
31. Giordano, A. R.\*\*, B. J. Ridenhour† and A. Storfer\* 2007. The influence of altitude and topography on genetic structure in the long-toed salamander (*Ambystoma macrodactylum*). *Molecular Ecology*. 16:1625-1637.
30. Storfer, A., M. A. Murphy, J. S. Evans, C. S. Goldberg, S. Robinson, S. F. Spear, R. Dezzani, E. Demelle, L. Vierling, and L. P. Waits. 2007. Putting the “landscape” in landscape genetics. *Heredity* 98:128-142.
29. Huang, Y-M., Trevisan, M.S. and A. Storfer. 2007. The impact of the “all-of-the-above” option and student ability on multiple choice tests. *International Journal for the Scholarship of Teaching and Learning*. 1: 1-13.
28. Forson, D. D.\*\* and A. Storfer\* 2006. Atrazine increases ranavirus susceptibility in the tiger salamander, *Ambystoma tigrinum*. *Ecological Applications* 16: 2325-2332.
27. Spear, S. F.\*\*, C. R. Peterson, M. Matocq and A. Storfer. 2006. Molecular evidence for recent population size reductions of tiger salamanders (*Ambystoma tigrinum*) in Yellowstone National Park. *Conservation Genetics* 7:605-611.
26. Steele, C. A.\*\* and A. Storfer. 2006. Coalescent-based hypothesis testing supports multiple Pleistocene refugia in the Pacific Northwest for the Pacific Giant Salamander (*Dicamptodon tenebrosus*). *Molecular Ecology* 15:2477-2487.
25. Forson, D.\*\*. and A. Storfer. 2006. Effects of atrazine and iridovirus infection on survival and life history characteristics in long-toed salamanders, *Ambystoma macrodactylum*. *Environmental Toxicology and Chemistry* 25:168-173.
24. Parris, M. P., E. Reese and A. Storfer. 2006. Antipredator behavior of chytridiomycosis-infected leopard frog (*Rana pipiens*) tadpoles. *Canadian Journal of Zoology* 84:58-65.
23. Spear, S. F.\*\*., C. R. Peterson, M. Matocq and A. Storfer. 2005. Landscape genetics of the blotched tiger salamander, *Ambystoma tigrinum melanostictum*. *Molecular Ecology* 14: 2553-2564.
22. Steele, C. A\*\*, B. C. Carstens, A. Storfer and J. Sullivan. 2005. Testing hypotheses of speciation timing in *Dicamptodon copei* and *Dicamptodon aterrimus* (Caudata: Dicamptodontidae). *Molecular Phylogenetics and Evolution* 36:90-100.
21. Parris, M. P., A. Storfer, J. P. Collins and E. W. Davidson. 2005. Pathogen effects on life history in tiger salamander (*Ambystoma tigrinum*) larvae. *Journal of Herpetology* 39: 366-372.
20. Jancovich, J. K., E. W. Davidson, N. Parameswaran, J. Mao, V. G. Chinchar, J. P. Collins, B. L. Jacobs and A. Storfer\* 2005. Evidence for emergence of an amphibian disease because of human-enhanced spread. *Molecular Ecology* 14:213-224.
19. Collins, J.P., N. Cohen, E.W. Davidson, J. Longcore and A. Storfer. 2005. Global amphibian declines: An interdisciplinary research challenge for the 21<sup>st</sup> century. Pp. 43-52. In Lannoo, M.J. (Ed.), *Status and Conservation of U.S. Amphibians. Volume 1: Conservation Essays*. University of California Press, Berkeley, California.
18. Storfer, A.\*, S. G. Mech†, M. W. Reudink\*\*\*, R. E. Ziemba, J. L. Warren\*\*\* and J. P. Collins. 2004. Introgression by non-native species in the endangered tiger salamander, *Ambystoma tigrinum stebbinsi*. *Copeia* 2004(4): 783-796.
17. Storfer, A.\* and C. White\*\*\*. 2004. Phenotypically plastic responses of larval tiger salamanders, *Ambystoma tigrinum*, to different predators. *Journal of Herpetology* 38:612-615.



16. Dybdahl, M. and A. Storfer. 2003. Parasite local adaptation: Red Queen versus Suicide King. *Trends in Ecology and Evolution* 18: 523-530.
  15. Storfer, A.\* 2003. Amphibian declines: Future directions. *Diversity and Distributions* 9: 151-163.
  14. Collins, J. P. and A. Storfer. 2003. Amphibian declines: Sorting the hypotheses. *Diversity and Distributions* 9: 89-98.
  13. Mech, S.G., A. Storfer\*, J. Ernst, M. Reudink and S. Maloney. 2003. Polymorphic microsatellite primers for tiger salamanders, *Ambystoma tigrinum*. *Molecular Ecology Notes* 3(1): 79-81.
  12. Storfer, A.\* 2002. Protecting Biodiversity. *Quarterly Review of Biology* 77(3): 323.
  11. Storfer, A.\* 2000. Genetics and the extinction of species. *Quarterly Review of Biology* 75(2): 182-183.
  10. Storfer, A.\* 2000. Amphibian declines: Unraveling the mystery. *Amphibian and Reptile Conservation* 2(1):33.
  9. Collins, J.P., E. Davidson, and A. Storfer. 1999. Disease ecology and its role in shaping life history. *Sonoran Herpetologist* 12:75-76.
  8. Storfer, A.\* 1999. Gene flow and local adaptation in a sunfish-salamander system. *Behavioral Ecology and Sociobiology* 46(4): 273-279.
  7. Storfer, A.\* , J. Cross, V. Rush, and J. Caruso. 1999. Adaptive coloration and gene flow as a constraint to local adaptation in the streamside salamander, *Ambystoma barbouri*. *Evolution* 53(3): 889-898.
  6. Storfer, A.\* 1999. Gene flow and population subdivision in the streamside salamander, *Ambystoma barbouri*. *Copeia* 1999(1): 174-181.
  5. Storfer, A.\* 1999. Gene flow and endangered species translocations: A topic revisited. *Biological Conservation* 87: 173-180.
  4. Storfer, A.\* and A. Sih. 1998. Gene flow and ineffective antipredator behavior in a stream-breeding salamander. *Evolution* 52(2): 558-565.
  3. Storfer, A.\* 1996. Quantitative genetics: A promising approach for the assessment of genetic variation in endangered species. *Trends in Ecology and Evolution*. 11(8): 343-348.
  2. Storfer, A.\* 1996. Population biology and herpetological conservation: A cautionary note. *Amphibian and Reptile Conservation* 1: 20-22.
  1. Storfer, A.\* 1995. Conservation biology: Progress or stasis? *Conservation Biology* 9(5): 982-983.
- Submitted*
1. Margres, M.J., M. Jones, B Epstein, S. Comte, S. Fox...A. Storfer\* Large-effect loci affect survival in Tasmanian devils infected with a transmissible cancer. Submitted to *Molecular Ecology*.
  2. Smith, L.E., R. Risques, P.A. Carter and A. Storfer\*. Telomere length is a susceptibility marker for Tasmanian devil facial tumor disease. Submitted to *Ecohealth*.
  3. Emel, S.\*\* , D. Olson, L.L. Knowles and A. Storfer. Comparative landscape genetic analysis of two parapatric torrent salamanders, *Rhyacotriton kezeri* and *R. variegatus*. In revision, *PLoS ONE*.
  4. Fraik, A.K., M. Margres, B. Epstein, M. Jones, S. Hendricks, B. Schönfeld, A. Stahle, R. Hamede, H. I. McCallum, E. Lopez-Contreras, S. J. Kallinen, B. Lazenby, C. Hawkins, S. Fox, S. Lachish, S. Huxtable, P.A. Hohenlohe, J. L. Kelley and A. Storfer. Disease-driven

- selection swamps local adaptation to abiotic factors in Tasmanian devil (*Sarcophilus harrisii*) populations. In revision, *Molecular Ecology*.
5. Hamilton, D., M.E. Jones, E. Cameron, H. McCallum, A. Storfer, P. Hohenlohe and R. Hamede. Duration of inter-sex interactions affects injury likelihood and disease susceptibility in Tasmanian devil contact networks. Submitted to *Journal of Animal Ecology*.
  6. Robertson, J., M. Murphy, C. Pearl, M. Adams, M. Páez-Vacas, S. Haig, Susan, D. Pilliod, A. Storfer, W. C. Funk. Regional variation in drivers of connectivity for two frog species (*Rana pretiosa* and *R. luteiventris* from U.S. Pacific Northwest. Revision submitted to *Molecular Ecology*.
  7. Wells, K., R.K. Hamede, M.E. Jones, P.A. Hohenlohe, A. Storfer and H.I. McCallum. Individual and temporal variation in pathogen load predicts long-term impacts of an emerging infectious disease. In revision, *Proceedings of the Royal Society Series B*.
  8. Micheletti, S.\* and A. Storfer. Gene flow constrains local adaptation and contributes to the limited geographic range of an endemic salamander. Submitted to *Evolution*.
  9. Ruiz-Aravena, M., M.E. Jones, S. Carver, S. Estay, C. Espejo, A. Storfer, R. Hamede. Sex bias in ability to cope with cancer: Tasmanian devils and facial tumour disease. Submitted to *Proceedings of the Royal Society Series B*.

\* corresponding author; \*\* graduate student in the lab; \*\*\* undergraduate student in the lab;

† postdoctoral associate in the lab

## 5. Non Peer-Reviewed Publications

### *Book Chapters*

Collins, J. P., Brunner, J. Miera, V., Parris, M. P., Schock, D. and A. Storfer. 2003. Ecology and evolution of infectious diseases. Pp. 137-151. In Semlitsch, R. (Ed.) *Amphibian Conservation*. Smithsonian Institution Press, Washington, DC.

Chinchar, VG, J. Robert and A. Storfer. 2011. Ecology of viruses infecting ectothermic animals – The impact of ranavirus infection on amphibians. Pp. 231-261 *In Studies in Viral Ecology: Volume II*, Edited by C. Hurst. John Wiley and Sons, NJ, USA.

### *Book Reviews and Reports*

Storfer, A. 2011. Book Review: Amphibian Ecology and Conservation: A Handbook of Techniques. Ed by C.K. Dodd. *Quarterly Review of Biology* 86:217.

Greenberg, C. H., A. Storfer, S. G. Mech and G. W. Tanner. 2003. Amphibians Using Isolated Ephemeral Ponds in Florida Longleaf Pine Uplands: Population Dynamics and Assessment of Monitoring Methodologies. Florida Fish and Wildlife Conservation Commission Final Report (Contract #NG99-016).

Storfer, A., J. P. Collins, J. Snyder, S. G. Mech, M. Reudink, S. C. Maloney and J. Ernst. 2002. Genetic evidence for hybridization of non-native salamanders on the Fort Huachuca Army Reserve. US Army Final Report (Contract #DABT63-99-P-0087).

Ziemba, R. E., A. Storfer, J. Warren and J. P. Collins. 1998. Genetic variation among populations of the Sonora tiger salamander (*Ambystoma tigrinum stebbinsi* Lowe). AZ Game and Fish Department Heritage Fund Final Report (#I96046).

Storfer, A. 1992. Baseline habitat inventory and mapping for Sacramento river bank protection project, Third Phase. US Fish and Wildlife Service Report. Federal Register.

**6. Invited Teaching/ Symposia**

- 2014 NESCent catalysis meeting on developing a SIMBANK for population genetics simulations
- 2013 NW Chapter of the Wildlife Society, Arcata, CA 1/8
- 2010 Phylogenetics workshop, Adelaide, Australia 4/10 (Plenary Lecturer)  
NESCent catalysis meeting on impacts of last glacial maximum 5/10
- 2007 Distinguished Lecturer: Conservation Genetics Course, Hawaii Institute of Marine Biology, Oahu 1/15-1/16

**7. Invited Symposium Presentations**

- 2011 Keynote address: European Herpetological Society 9/26  
Ranavirus Symposium: ASIH, Minneapolis, MN; 7/8
- 2010 Phylogenetics Conference, Adelaide, Australia 4/13 (Keynote Speaker)
- 2007 Ecological Society of America, San Jose, CA 8/5-8/10  
American Fisheries Society, San Francisco, CA 9/07
- 2006 The Wildlife Society, Anchorage, AK 9/25-9/28 (2 presentation)  
Cooperative Monitoring, Evaluation and Research Conference 4/7  
Amphibian Disease Workshop, Society for Northwest Vertebrate Biology 3/27  
Reptile and Amphibian Conservation Symposium: Northwest Section of Wildlife Society and Society for Northwest Science, Boise, ID 3/7
- 2004 Disease Ecology Symposium, Ecological Society of America, Portland, OR 8/3
- 2000 American Association for the Advancement of Science, Washington, DC 2/18

**8. Invited Research Seminars (total 62)**

- 2018 Walla Walla University 4/2  
Temple University 2/5
- 2016 Fred Hutchinson Cancer Research Center 10/14  
Macquarie University 6/30  
University of Washington (Biology) 2/29
- 2015 Binghamton University 11/16
- 2014 Western Washington University 10/8  
Gonzaga University 4/2  
North Carolina State University 1/8
- 2013 Washington State University, Vancouver 9/16  
University of Lund, Sweden 8/28
- 2012 University of Idaho 11/13  
University of Washington 5/31
- 2011 University of Colorado 10/14  
Colorado State University 5/2
- 2009 University of Central Florida 11/2  
Iowa State University 9/24  
Australian Animal Health Labs, Geelong 7/16  
University of Sydney, Australia 5/27  
Kyushu University, Fukuoka, Japan 5/19  
Graduate University at Hayama, Japan 5/13
- 2008 Australian National University, Canberra 11/12  
University of Queensland, Brisbane, Australia 11/7  
James Cook University 10/7  
Australian Institute of Marine Science 9/25  
University of Washington 4/28  
University of Idaho 3/21

- 2007 University of Tasmania 11/29  
 James Cook University, Townsville, Australia 11/26  
 University of New Orleans 4/27  
 Yale University 4/4  
 University of Albany 3/5  
 University of Louisville 2/5
- 2006 University of Georgia 12/1
- 2005 University of Hawaii 12/9  
 Oklahoma State University 9/16
- 2004 Oregon State University 9/27  
 Idaho State University 4/29  
 University of Memphis 4/1  
 Evergreen State College 2/5-2/6
- 2003 WSU, Plant Pathology 3/31  
 University of Montana, Missoula, MT 3/14
- 2002 Pepperdine University, Malibu, CA 11/20  
 University of Idaho, Moscow, ID, 9/27  
 Washington State University, Vancouver Campus, 3/25
- 2001 Utah State University, 11/13  
 Washington State University, 2/1  
 University of Florida Department of Zoology, 1/30  
 University of New Orleans, 1/25  
 University of Florida Molecular Genetics and Microbiology, 1/9
- 2000 AAAS, Washington, DC. 2/18
- 1998 University of Mississippi, Oxford, MS 10/19  
 Arizona State University West, Phoenix, AZ 9/18  
 University of Florida, Gainesville, FL 8/20  
 Arizona Herpetological Society, Phoenix, AZ 6/23  
 Max Planck Institute of Chemical Ecology, Jena, Germany 3/2  
 Ohio University, Athens, OH. 2/24  
 Grand Canyon University, Phoenix, AZ. 2/20  
 Georgetown University, Washington, DC. 1/27
- 1997 Ohio University, Athens, OH. 3/5  
 University of Kentucky, Lexington, KY. 2/20
- 1996 Washington University, St. Louis, MO. 11/13

**9. Contributed Meeting Presentations (since 2006)**

- Margres, M., P.A. Hohenlohe, S. Hendricks and A. Storfer. A mechanism for tumor regression in Tasmanian devils. Evo-WIBO, Port Townsend, WA. 4/14.
- McCallum, H., A Storfer, M. Jones, P. Hohenlohe and E. Murchison. 2017. Infection of the fittest: devil facial tumor disease. ICCB, Cartagena, Colombia 7/23.
- McCallum, H., A Storfer, M. Jones, P. Hohenlohe and E. Murchison. 2017. Tasmanian Devil Facial Tumour Disease: 20 years of a novel pathogen. Ecology and Evolution of Disease, Santa Barbara, CA 6/25.
- Fraik, A., B Epstein, M Margres, R Hamede, M Jones, P Hohenlohe, J. Kelley and A Storfer. 2017. Characterizing potential adaptations of Tasmanian devil populations in the face of a transmissible cancer. Society for the Study of Evolution 6/25
- Margres, M., B Epstein, M Jones, R Hamede, P Hohenlohe and A Storfer. 2017. Variations of large effect underlie sex-specific resistance to a transmissible cancer. Society for the Study of Evolution 6/25

- Patton, A., B Epstein, J Eastman, L Harmon and A. Storfer. 2017. Hybridization accelerates speciation rates in salamanders. Society for the Study of Evolution 6/25
- Fraik, A., B Epstein, M Margres, R Hamede, M Jones, P Hohenlohe, J. Kelley and A Storfer. 2017. Characterizing potential adaptations of Tasmanian devil populations in the face of a transmissible cancer. American Society of Mammalogists 6/23
- Storfer, A., B Epstein, M Jones, R Hamede, S Hendricks, H McCallum, EP Murchison, B Schönfeld, C Wiench, P Hohenlohe. 2016. Rapid evolutionary response to a transmissible cancer. Society for Molecular Biology and Evolution. Gold Coast, Australia. 7/4
- Storfer, A. 2015. Landscape genetics: Insights into amphibian ecology and evolution. International Association for Landscape Ecology, Portland, OR. 7/9
- Storfer, A. and B. Epstein. 2015. Comparative genomics of an emerging ranavirus. 3<sup>rd</sup> International Ranavirus Symposium, Gainesville, FL. 5/30
- Trumbo, D, B. Epstein and A. Storfer. 2014. An empirical test of species range limit evolution using the world's largest amphibian invasion, the cane toad (*Rhinella [Bufo] marina*) in Australia. ESA Sacramento, CA 8/6
- Emel, S. and A. Storfer. 2014. Stream and canopy cover promote population connectivity in two endemic Pacific northwestern salamander species, *Rhyacotriton kezeri* and *R. variegatus*. ESA Sacramento, CA 8/6
- Micheletti, S. and A. Storfer. 2014. Testing multiple range limit hypotheses in an endemic salamander (*Ambystoma barbouri*). ESA, Sacramento, CA. 8/9.
- Epstein, B and A Storfer. 2014. Comparative genomic analysis of two emerging amphibian viruses. EEID meeting. Ft. Collins, CO. 6/4
- Emel S. and A. Storfer. 2014. Landscape genetics and the conservation of two endemic Pacific Northwestern salamander species. EVO-WIBO. Ft. Warden, WA 4/26
- Micheletti, S. and A. Storfer 2014. Testing multiple range limit hypotheses in the streamside salamander. EVO-WIBO. Ft. Warden, WA 4/26
- Storfer, A. and K. Chojnacki. 2013. Elevated Virulence in a Ranavirus Strain Isolated from a Captive Bullfrog Colony Relative to a Strain Isolated from a Wild Population. Wildlife Disease Association, Knoxville, TN. 7/27
- Emel, S.A. and A. Storfer. 2013. Landscape genetic analysis of the southern torrent salamander, *Rhyacotriton variegatus*. Society for the Study of Evolution, Snowbird, UT. 6/23
- Storfer, A., K. Chojnacki, J.M. Eastman and J. Brunner. 2013. Tiger salamander-ranavirus coevolution and local adaptation. Society for the Study of Evolution, Snowbird, UT. 6/22.
- Micheletti, S. and A. Storfer. 2013. Genetic variation across species' geographical ranges: support for the central-marginal hypothesis in the streamside salamander (*Ambystoma barbouri*). Society for the Study of Evolution. Snowbird, UT. 6/22.
- Trumbo, D. and A. Storfer 2013. Landscape genetics across the range of the world's most extensive amphibian invasion; the cane toad in Australia. Canadian Society for Ecology and Evolution, Kelowna, BC, Canada. 5/15.
- Emel, S.A. and A. Storfer. 2013. Landscape genetic analysis of the southern torrent salamander, *Rhyacotriton variegatus*. Canadian Society for Ecology and Evolution, Kelowna, BC, Canada. 5/13.
- Micheletti, S. and A. Storfer. 2013. Genetic variation across species' geographical ranges: support for the central-marginal hypothesis in the streamside salamander (*Ambystoma barbouri*). Canadian Society for Ecology and Evolution, Kelowna, BC, Canada. 5/13.
- Emel, S.A. and A. Storfer. 2012. Predicting the distributions under climate change of two Pacific Northwestern salamanders, *Rhyacotriton variegatus* and *R. kezeri*. World Herpetology Congress 7, Vancouver, BC, Canada. 8/10
- Trumbo, D., S.F. Spear, J. Baumsteiger and A. Storfer. 2012. Rangewide landscape genetics of an endemic Pacific Northwestern salamander, the Cope's giant salamander (*Dicamptodon copei*). World Herpetology Congress 7, Vancouver, BC, Canada. 8/11

- Storfer, A., K. Chojnacki and J. M. Eastman. 2011. Salamander-ranavirus coevolution: from genes to landscapes. Joint Meetings in Ichthyology and Herpetology, Minneapolis, MN 7/11.
- Trumbo, D., S.F. Spear and A. Storfer. 2011. Landscape genetics analysis from across the range of a paedomorphic salamander endemic to the Pacific Northwest, The Cope's Giant Salamander (*Dicamptodon copei*) Society for the Study of Evolution, Portland, OR 06/10
- Storfer, A., K. Chojnacki, J.M. Eastman and M.F. Dybdahl. 2009. Host-pathogen coevolution: from genes to landscapes. International Ecology Meetings, Brisbane, Australia. 8/09.
- Spear, S., C. Crisafulli, A. Storfer. 2009. Colonization and gene flow of coastal tailed frogs (*Ascaphus truei*) at Mount St. Helens: Population response across disturbance gradients. Joint Meetings in Ichthyology and Herpetology, Portland, OR, 7/09.
- Spear, S., A. Storfer. 2009. The influence of both anthropogenic and natural forest disturbance on genetic structure of the Rocky Mountain tailed frog (*Ascaphus montanus*). Evolution Meetings, Moscow, ID, 6/09.
- Storfer, A., K. Chojnacki and M.F. Dybdahl. 2008. Host-pathogen coevolution: from genes to landscapes. Ecological Society of Australia, Sydney. 12/08
- Murphy, M.A., J.S. Evans and A. Storfer. 2008. Quantifying ecological process at multiple spatial scales using landscape genetics: *Bufo boreas* connectivity in Yellowstone National Park. Society for Northwest Vertebrate Biology, Missoula, MT 2/08.
- Spear, S.F. and A. Storfer. 2008. Landscape genetic structure of coastal tailed frogs (*Ascaphus truei*) in protected versus managed forests. Society of Northwest Vertebrate Biology, Missoula, MT, 2/08.
- Spear, S.F. and A. Storfer. 2007. Spatial analysis of tailed frog (*Ascaphus truei*) genetic structure across both harvested and old-growth landscapes. *Invited symposium presentation*, Annual meeting of the American Fisheries Society, San Francisco, CA, 9/07.
- Stewart, J.D., R. Page, C. Beachy, S. R. Voss and A. Storfer. 2007. Genomic responses of Axolotls (*Ambystoma mexicanum*) to infection by an emerging virus. American Society for Ichthyologists and Herpetologists. St. Louis, MO 7/07.
- Spear S.F. and A. Storfer 2007. Landscape genetics of tailed frogs (*Ascaphus truei*) in reference versus managed basins. Washington Cooperative Fish and Wildlife Research Unit. Seattle, WA, 5/07.
- Murphy, M. A., Dezzani, R., Evans, J. and A. Storfer. 2007. Boreal toad (*Bufo boreas boreas*) population connectivity in Yellowstone National Park: quantifying matrix resistance and model uncertainty using landscape genetics. International Association of Landscape Ecology, Tucson, AZ 4/07.
- Spear SF, Storfer A. 2007. The Influence of Landscape Variables on Spatial Genetic Structure of Tailed Frogs (*Ascaphus truei*) Across Old-Growth and Harvested Forests on the Olympic Peninsula, Washington, USA. International Association of Landscape Ecology. Tucson, AZ, 4/07.
- Spear, S. F. and A. Storfer. 2007. Landscape genetics of tailed frogs (*Ascaphus truei*) in reference versus managed basins. Cooperative Monitoring, Evaluation and Research Conference, Olympia, WA. 3/20.
- Steele, S. A. and A. Storfer. 2007. Comparative patterns of gene flow and dispersal in sympatric species of giant salamanders (*Dicamptodon*). Cooperative Monitoring, Evaluation and Research Conference, Olympia, WA. 3/20.
- Murphy, M. A., Evans, J. and A. Storfer. 2006. Landscape genetics with continuous "populations": evaluation of a novel spatial analysis technique for modeling genetic patterns. The Wildlife Society, Anchorage, AK. 9/25-9/28.
- Spear, S. F., Peterson, C., Matocq, M. and A. Storfer. 2006. Evaluating habitat and landscape variables that influence gene flow in amphibians. The Wildlife Society, Anchorage, AK. 9/25-9/28.
- Forson, D. F. and A. Storfer\* 2006. Atrazine increases tiger salamander susceptibility to an emerging ranavirus. Ecological Society of America, Memphis, TN. 8/6-8/11.
- Steele, C. A., A. R. Giordano and A. Storfer. 2006. Comparative patterns of gene flow and dispersal in sympatric species of giant salamanders (*Dicamptodon*). American Society of Ichthyologists and Herpetologists, New Orleans, LA. 7/12-7/17.

- Fox, S. F., R. J. Torres-Cervantes, R.J., A. Storfer, G. Parra-Olea, A. L. Greer and J. P. Collins. 2006. Ranavirus and *Batrachochytrium dendrobatidis* in endangered and diseased populations of the frog *Atelognathus patagonicus* in northern Patagonia, Argentina. RANA Symposium, American Society of Ichthyologists and Herpetologists, New Orleans, LA. 7/12-7/17.
- Storfer, A. 2006. Local adaptation in a salamander-virus system. Society for the Study of Evolution, Stonybrook, NY 6/23-6/27/06.
- Murphy, M. A., J. S. Evans and A. Storfer. 2006. Where can I go to find amphibians? Explaining amphibian occurrence in Yellowstone National Park using topographically-derived landscape variables. Society for Conservation Biology, San Jose, CA 6/24-6/29/06.
- Torres-Cervantes, R.J., S. F. Fox and A. Storfer. 2006. Conservation and disease in the endangered aquatic Patagonian frog (*Atelognathus patagonicus*): Experiment testing the pathogenicity of a ranavirus using Koch's postulates. Southwestern Association of Naturalists, Colima, Mexico 4/13-15
- Storfer, A., A. R. Giordano, S. F. Spear and C. A. Steele. 2006. Population genetics of tailed frogs and Cope's giant salamander. Cooperative Monitoring, Evaluation and Research, WA Department of Natural Resources, Olympia, WA 4/7/06

---

### III. TEACHING

---

#### 1. Teaching Experience

- 2018 Philosophy of Life (Graduate), WSU
- 2016 Organisms and Global Change (Senior Capstone), WSU
- 2012 Molecular Ecology and Phylogeography (Graduate), WSU
- 2008,10,13,17 Ecology and Evolution of Disease (Graduate), WSU
- 2001/2003/2005 Conservation Biology (Graduate), WSU/ UF
- 2002-2014 General Biology (Non-majors), WSU (500-1000 students)
- 2002-2009 Biology of Amphibians and Reptiles, WSU
- 2000/2001 Wetland Ecology and Conservation, UF  
Wetland Ecology Field Lab, UF  
Amphibian Declines Seminar, UF
- 1999 Conservation Genetics (Graduate), UF
- 1996-1997 Human Ecology (Introductory Biology), Lexington Community College

#### 2. Teaching Workshops

- 2008 McGraw-Hill Biology Media Workshop (5/1-5/3)
- 2005 Benjamin Cummings Non-Majors Biology Forum; San Francisco, CA (3/19)
- 2004 Thomson-Brooks Cole Non-Majors Biology Discussion Group, NABT, Portland, OR
- 2003 McGraw-Hill Non-Majors Biology Symposium, San Diego, CA (11/6-11/9)

#### 3. Instructional Publications

- Mader, S., Isaacson, J., Lyle-Ippolito, K., Storfer, A. 2010. Inquiry Into Life (13<sup>th</sup> ed). McGraw Hill Companies, Dubuque, IA. 764 pp.
- Mader, S. 2007. Inquiry Into Life (12<sup>th</sup> ed). Major contributor for 12<sup>th</sup> edition revision, McGraw Hill Companies, Dubuque, IA. 766 pp.
- Storfer, A., D. Monk, D. Short, D. Cartwright, M. Alfaro and P. Verrell. 2004-2014. General Biology Lab Manual 2<sup>nd</sup>- 11<sup>th</sup> Editions., 187 pp., Hayden McNeil Publishing, Plymouth, MI. USA.
- Storfer, A., D. Monk, D. Short, D. Cartwright and P. Verrell. 2003. General Biology Lab Manual. 149 pp., Pearson Custom Publishing. Boston, MA. USA

#### 4. Postdoctoral Associates

- Mark Margres (2017-)
- Brendan Epstein (2013-2016); Postdoctoral Research Associate, Univ. Minnesota

Jake Kerby (2006-2008); Associate Professor, University of South Dakota  
Benjamin Ridenhour (2004-2006); Assistant Research Professor, University of Idaho  
Steve Mech (2001-2002); Professor, Albright College, Reading, PA

## 5. Graduate Students Advised

### *Current*

Matthew Lawrance (PhD 2017-)  
Alexandra Fraik (PhD 2015-)  
Austin Patton (PhD 2014- )  
Lauren Ricci (MS 2015-)

### *Graduated (7 PhD, 7 MS)*

Steven Micheletti (PhD 2016); Title, “Multiple tests of species’ geographic range limits in an endemic salamander species”

Current Position: Geneticist at the Columbia River Intertribal Fish Commission

Lanie Smith (MS 2016); Title, “Telomeres as a marker for disease susceptibility in Tasmanian devils”

Current Position: Medical technology program in Virginia

Daryl Trumbo (PhD 2015); Title, “Landscape genomics and geographic range limit evolution of the invasive cane toad (*Rhinella marina*) in Australia”

Current Position: Postdoctoral Researcher with Chris Funk at Colorado State U.

Sarah Emel (PhD; 2015); Title, “Integrating niche modeling and landscape genetics to study species’ responses to climate change”

Current Position: Darwin Postdoctoral Fellow at U Mass, Amherst

Jonathan Eastman (PhD; 2010); Title “On the role of historical constraint in evolution: An emphasis in salamander evolution.”

Karen Chojnacki (MS; 2009); Title: “Spatial variation in selection and multivariate estimates of local adaptation in a salamander-virus system.”

Current Position: Teaching Assistant, WSU

Steve Spear (PhD; 2009); Title: “Effects of land use change and habitat differences on genetic variation and population genetic structure of tailed frogs.”

Current Position: Research Director, The Wilds

Ashley McCally (MS; 2009); Ashley studied the effects of chytridiomycosis on amphibian community dynamics.

Current Position: Owner of Lily and Gus Clothing

Melanie Murphy (PhD; 2008); Title: “New approaches in landscape genetics and niche modeling for understanding limits to anuran distributions”

Current Position: Associate Professor, University of Wyoming

Jennifer Cotter (MS; 2008); Title: “Genomic responses of ambystomatid salamanders to infection with an emerging virus”

Current Position: Laboratory Technician, Denver, CO.

Craig Steele (PhD; 2006); Title: “Phylogenetics, phylogeography and comparative population genetics of giant salamanders (genus: *Dicamptodon*)”



Current Position: Geneticist for Idaho Game and Fish

Andrew Giordano (MS; 2005); Thesis title, "Effects of Altitude on Population Structure and Life History Variation in the Long-toed salamander."

Current Position: Upper Division Math and Science Teacher, Sugarbowl Academy, Truckee, CA

Diane Forson (MS; 2005); Thesis title, "Agricultural Contaminants and Iridovirus: Cofactors in Amphibian Declines."

Current Position: Instructor – Biology Department, Everett Community College, Everett, WA

Steve Spear (Co-Advisor; MS, ISU; 2004); Thesis title, ""Landscape effects on genetic structure in tiger salamander (*Ambystoma tigrinum melanostictum*) populations across the northern range of Yellowstone National Park"

## 6. Graduate Student Committees (Member)

### *Current*

Anthony Brown (PhD; 2014-); Christian Yarber (MS; 2018-)

### *Graduated/ Former*

Mitchell LeSage (MS 2015-2017); Emily Hall (PhD; 2012-2016); Fernando Villanea (PhD; 2012-2016); Amanda Meadows (PhD; 2011-2016); Sarah Meiners (MS; 2014-2016); Kathryn Holden (MS; 2013-2015); Mary May (MS; 2011-2013); Angela Johnson (MS; 2011-2013); Andrea Dixon (PhD; 2009-2011); Ricardo Torres-Cervantes (MS; OSU; 2005-2008), Gabriel Colbeck (PhD; 2002-2008), Michelle Beck (PhD; 2004-2010); Alison Emblidge (MS; 2002-2004), Steve Patton (MS; 2001-2003); James Vonesh (PhD); David Leonard (PhD); Richard Owen (PhD); Mark Cunningham (PhD)

## 7. Undergraduate Students Mentored (total 32)

2017	Taylor Studzinski Samantha Kallinen Elisa Lopez-Contreras Erica Palmer Ian Barnes
2014	Danica Wolfe – <u>Current Position:</u> Zookeeper at Atlanta Zoo
2013	Casey Swinney Emily Dunn
2012	Chloe Freuden
2010	Denise Stanton Curtis Malott
2005-2009	Rebecca Featherkile
2007	Alison Hart – Center for Integrated Biotechnology Summer Fellowship 2007 Pearce Fujira Alex Price
2006-2008	Nicole Sinacore – <u>Current Position:</u> Veterinarian
2006-2007	Cristina Dressel - Center for Integrated Biotechnology Summer Fellowship 2006; School of Biological Sciences Research Internship 2006; <u>Current Position:</u> BLM
2005-2006	Taylor Loykasek
2004-2005	Danielle Dahmen; <u>Current Position:</u> Veterinarian Jessica Zelnik - Center for Integrated Biotechnology Summer Fellowship 2005; <u>Current Position:</u> Veterinarian Aaron Halverson; MS Environmental Sciences, WSU
2003-2004	Rachel Burnham Dalley – Center for Integrated Biotechnology Summer Fellowship 2004 <u>Current Position:</u> Data Analyst for Allen Institute for Brain Science

- 2003 Diane Forson – College of Sciences Summer Internship 2003  
 2002-2003 Jennifer Leader Elmore – WSU McNair Scholars Program  
Current Position: Student – Medical Laboratory Scientist; SHMC  
 2001-2002 Scott Maloney –WSU Student Researcher of the Month;  
 Matthew Reudink – Current Position: Assistant Professor, Thompson Rivers University  
 Kristen Lew – Dean’s Minigrant Award (Summer 2002);  
 2001 Ann Genchi (University of Florida)  
 2000 Ginevra Lewis (University of Florida)  
 Karen Oven (University of Florida)  
 1998 Candace White (Arizona State University)  
 Jaime Warren (Arizona State University)

**8. Visiting Scholars**

- 2012 Guilia Zancolli (Graduate student, University of Würzburg, Germany)  
 2010 Patricia Frias (Graduate student, UNAM, Mexico)  
 Rachael Dudaniec (Postdoctoral Associate, UBC)  
 2009 Mariel Familiar (Graduate student, UNAM, Mexico)  
 2008 Cathryn Searle (Graduate student, Oregon State University)  
 2007 Barbara Han (Graduate student, Oregon State University)

**9. Undergraduate Advising**

- 2004-2017 approximately 20 biology majors; School of Biological Sciences, WSU

**IV. SERVICE**

**1. International Service**

- 2010-2011 Scientific Board – European Herpetology Congress

**2. National Service**

*Society Positions*

- 2010-2011 Board of Governors – American Society of Ichthyologists and Herpetologists  
 2008-2009 Nominating Committee – American Society of Ichthyologists and Herpetologists

*Editorial Experience*

- 2016- Associate Editor – *Conservation Genetics*  
 2014- Review Editor – *Frontiers in Evolutionary and Population Genetics*  
 2013-2016 Founding Editor – *Oxford Bibliographies in Evolutionary Biology*  
 2003-2007 Associate Editor, *Diversity and Distributions*  
 2003 Guest Editor, *Diversity and Distributions* (Amphibian Declines Special Issue)  
 2002-2005 Associate Editor, *Western North American Naturalist*  
 1996-2000 Editorial board, *Amphibian and Reptile Conservation*

*Invited Planning Committees*

- 2005 EPA Workshop on Population Genetics in Agroecosystems  
 2004 NSF NEON Design Consortium – Infectious Disease Subcommittee

*Grant Panels*

EPA-STAR Fellowship Panel; NSF EEID Panel; NSF Ecology Advisory Panel; NSF Evolution and Population Ecology Panel (3); NSF Evolutionary Processes Panel; Fulbright Australia-New Zealand Senior Scholar Panel

*Grant reviewer for:*

U.S. National Science Foundation

U.S. Environmental Protection Agency  
 U.S. Civilian Research and Development Foundation  
 Natural Environment Research Council (UK)  
 Idaho State Board of Education  
 Netherlands Organisation for Scientific Research  
 NWO Research Council for Earth and Life Sciences  
 Swiss National Science Foundation  
 National Science and Engineering Research Council (Canada)  
 German-Israeli Foundation for Scientific Research and Development

*Peer Reviewer for:*

*Amphibia-Reptilia, American Naturalist, Animal Conservation, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biological Conservation, Canadian Journal of Zoology, Conservation Biology, Conservation Genetics, Copeia, Diseases of Aquatic Organisms, Diversity and Distributions, Ecology, Ecology Letters, Ecohealth, Ecological Applications, Evolution, Frontiers in Genetics, Heredity, Herpetologica, Herpetological Review, Journal of Herpetology, Journal of Wildlife Diseases, Landscape Ecology, Molecular Ecology, Molecular Ecology Resources, Nature, Nature Communications, Nature Ecology and Evolution, Proceedings of the National Academy of Sciences- USA, Proceedings of the Royal Society of London- Series B, Quarterly Review of Biology, Trends in Ecology and Evolution, Western North American Naturalist*

*Memberships*

The Society for the Study of Evolution  
 Ecological Society of America  
 The Society for Conservation Biology  
 American Society of Ichthyologists and Herpetologists  
 Society for the Study of Amphibians and Reptiles  
 Sigma Xi, The Scientific Research Society

**3. University Service**

Current	College of Arts and Sciences Grants Review Committee – WSU Graduate Mentoring Academy – WSU Member – Center for Integrated Biotechnology - WSU
2010-2017	<u>Chair, Graduate Programs Committee</u> – School of Biological Sciences, WSU College of Sciences Graduate Studies Committee - WSU
2015-2016	Behavioral Ecology Search Committee Strategic Planning Committee – School of Biological Sciences
2007-2014	Director – Real-time PCR Service Center, School of Biological Sciences
2007-2010	Executive Committee – Center for Environmental Research, Education and Outreach Member at Large – University Research and Arts Committee Member at Large – College of Sciences Vision Committee
2007	School of Biological Sciences Departmental Vision Committee
2006-2007	Undergraduate Recruitment Committee, College of Sciences Summer Alive! Freshman Advising Conner Museum Vision Committee
2005-2006	Coordinator – Interdisciplinary Disease Ecology Initiative and Seminar Series
2004-2006	Spring Preview – freshman recruiting
2003	Summer Alive! Freshman Advising
2003	Coordinator – Freshman Seminar Course - Introductory Biology
2003	Participant – University Writing Portfolio Program
2001-2003	Website Committee Chair, School of Biological Sciences

