

Allan M. Strong

Professor
The Rubenstein School of Environment and Natural Resources
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EMPHASIS AREAS

My research addresses the factors that influence habitat quality for birds with an emphasis on questions that have direct implications for wildlife conservation. Recently, I have focused on integrating grassland bird conservation into agricultural management practices that maintain economic viability for farmers. I continue to study threats to high elevation avifauna and am interested in the role of insectivorous birds in ecosystem processes.

EDUCATION

Ph.D. Ecology and Evolutionary Biology, Tulane University, 1999.

Dissertation: *Effects of prey abundance on winter habitat quality for two species of ground-foraging Neotropical migrant warblers*

Advisor: Dr. Thomas Sherry

M.S. Fisheries and Wildlife, University of Missouri, Columbia, 1986.

Thesis: *Foraging decisions of captive Mallards*

Advisor: Dr. Leigh Fredrickson

B.S. Fisheries and Wildlife Biology, University of Vermont, 1983, *cum laude*.

PROFESSIONAL EXPERIENCE

Interim Dean: 2022 to present

The Rubenstein School of Environment and Natural Resources; University of Vermont

Professor: 2018 to present

The Rubenstein School of Environment and Natural Resources; University of Vermont

Associate Dean for Academic Affairs and Professional Development: 2011 to 2019

The Rubenstein School of Environment and Natural Resources; University of Vermont

Vermont Center for Ecostudies – Research Associate: 2009 to present

Associate Professor: 2009 to 2018

The Rubenstein School of Environment and Natural Resources; University of Vermont

Assistant Professor: 2003 to 2009

The Rubenstein School of Environment and Natural Resources; University of Vermont

Visiting Assistant Professor: 1999 to 2003

The Rubenstein School of Environment and Natural Resources; University of Vermont

National Audubon Society - Research Biologist: 1988-1993

AWARDS AND HONORS

- 2014 – Fellow, American Ornithological Society (for eminence in ornithology and service to the AOS)
- 2013 – Nominee: Graduate Student Advisor of the Year (UVM – Graduate Student Senate)
- 2003-2010, 2019 - Six nominations for the UVM Kroepsch-Maurice Excellence in teaching award
- 2008 – Women's Center and the Women's & Gender Studies Outstanding Faculty Ally
- 2006 – Marcia Caldwell Award for outstanding contributions and dedication to students of the Rubenstein School
- 2006 – UVM ALANA Student Center (now the Mosaic Center for Students of Color) outstanding faculty award for continual commitment to leadership, advocacy, and social justice
- 2004 – Elective Member, American Ornithological Society (for significant contributions to ornithology and/or service to the AOS)
- 2001 – George Henry Penn Memorial Award – Outstanding graduate research in the Ecology and Evolutionary Biology Department, Tulane University
- 1998 – Best student paper - Association of Field Ornithologists
- 1993 – Louisiana Education Quality Support Fund Fellowship
- 1991 – President's Award for Excellence - National Audubon Society
- 1983 – Xi Sigma Pi Forestry and Natural Resources Honor Society
- 1983 – Bio-ecology Achievement Award - University of Vermont
- 1981 – Outstanding Sophomore - University of Vermont

PUBLICATIONS

[Research Gate Profile](#)

[Google Scholar Page](#)

Peer-reviewed journal articles and book chapters: [*=PhD advisee, **=MS advisee, *=undergraduate advisee]**

- (62) **Scott, O., N. G. Perlut, and A. M. Strong. 2022. Age-specific effects on reproductive performance of grassland songbirds nesting in agricultural habitats. *Avian Ecology and Conservation* 17: In press.
- (61) **White, E. M., N. G. Perlut, S. E. Travis, and A. M. Strong. 2021. Microsatellite markers yield new insight into extra-pair paternity in Bobolinks (*Dolichonyx oryzivorus*). *Wilson Journal of Ornithology* 133:476-483.
- (60) **White, E. M., N. G. Perlut, S. E. Travis, and A. M. Strong. 2021. Diverse demographic factors influence apparent juvenile survival in a migratory songbird. *Ecosphere* 12(10):1-13.
- (59) ***McGowan, M., N. G. Perlut, and A. M. Strong. 2021. Agriculture is adapting to phenological shifts caused by climate change, but grassland songbirds are not. *Ecology and Evolution* 11:6993-7002.
- (58) ***Denny, K., N. G. Perlut, and A. M. Strong. 2021. Management schemes, not philopatry or breeding experience, affect nest success of two songbirds in Vermont hayfields.

- Wildlife Society Bulletin 45:267-273.
- (57) ***DiMaggio, K. N. G. Perlut, and A. M. Strong. 2020. Mixed consequences of divorce on reproductive success of songbirds nesting in agricultural hayfields. *The Wilson Journal of Ornithology* 132:241–247.
- (56) **Hansen, C. F., P. G. Schaberg, A. M. Strong, S. A. Rayback, and G. J. Hawley. 2020. LiDAR helps differentiate stand health and productivity levels within a northern hardwood forest. *Open Journal of Forestry* 10:66-88.
- (55) *Chakrabarti, A., L. Chase, A.M. Strong, and S.K. Swallow. 2019. Making markets for private provision of ecosystem services: The Bobolink Project. *Ecosystem Services* 37:1-11.
- (54) ** Calle, L., L. Green, A. Strong, and D. E. Gawlik. 2018. Time-integrated habitat availability is a resource attribute that informs patterns of use in intertidal areas. *Ecological Monographs* 88:600-620.
- (53) ***Cherukuri, A., A. M. Strong, and T. M. Donovan. 2018. Monitoring Least Bitterns (*Ixobrychis exilis*) in Vermont: Detection Probability and Occupancy Modeling. *Northeastern Naturalist* 25:56-71.
- (52) **Sutti, F., A. M. Strong, and N. G. Perlut. 2017. A multicriteria decision analysis for identifying priority conservation areas for grassland birds. *Northeastern Naturalist* 24:99-118.
- (51) Perlut, N. G., and A. M. Strong. 2016. Comparative analysis of factors associated with first-year survival in two species of migratory songbirds. *Journal of Avian Biology* 47:858–864.
- (50) **Calle, L., D. E. Gawlik, Z. Xie, L. Green, B. Lapointe, and A. Strong. 2016. Effects of tidal periodicities and diurnal foraging constraints on the density of foraging wading birds. *The Auk: Ornithological Advances* 133:378-396.
- (49) **Lkhagvasuren, M., J. D. Murdoch, T. Munkhzul, and A. M. Strong. 2016. Predicting the effects of habitat loss on corsac fox occupancy in Mongolia. *Journal of Mammalogy* 97: 1153-1163.
- (48) Renfrew, R., A. M. Strong, and N. G. Perlut, Stephen G. Martin and Thomas A. Gavin. 2015. Bobolink (*Dolichonyx oryzivorus*). No. 176 in *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology.
- (47) Morse, C., A. Strong, V. E. Mendez, S. T. Lovell, A. Troy, and W. B. Morris. 2014. Performing a New England landscape: Viewing, engaging, and belonging. *Journal of Rural Studies* 36:226-236.
- (46) *Sutti, F., and A. M. Strong. 2014. Temperature loggers decrease costs of determining bird nest survival. *Wildlife Society Bulletin* 38:831-836.
- (45) Perlut, N. G., S. E. Travis, C. A. Dunbar, A. M. Strong, and D. M. Wright. 2014. Nestling sex ratios do not support long-term parity in two species with different life history strategies. *The Auk: Ornithological Advances* 131:224-234.
- (44) **Cline, M. H., A. M. Strong, T. S. Sillett, N.L. Rodenhouse, and R.T. Holmes. 2013. Correlates and consequences of breeding dispersal in a migratory songbird. *The Auk: Ornithological Advances* 130:742–752.
- (43) ***Perkins, D. G., N. G. Perlut, and A. M. Strong. 2013. Minor fitness benefits for edge avoidance by grassland birds nesting in the northeastern United States. *The Auk: Ornithological Advances* 130:512-519.
- (42) Cuzio, E., W. L. Hohman, B. Martin, M. D. Smith, S. Stephens, A. M. Strong, and T.

- VerCauteren. 2013. Opportunities and challenges to implementing bird conservation on private lands. *Wildlife Society Bulletin* 37:267–277.
- (41) *Keyel, A. C., A. M. Strong, N. G. Perlut, and J. M. Reed. 2013. Evaluating the roles of visual openness and edge effects on grassland bird nest site selection and reproductive success. *The Auk: Ornithological Advances* 130:161-170.
- (40) Perlut, N.G., ***L.M. Kelly, N.J. Zalik, and A.M. Strong. 2012. Male Savannah sparrows reduce parental care in response to paternity loss. *Northeastern Naturalist* 19:335–344.
- (39) **Frey, S. J. K., A. M. Strong, and K. P. McFarland. 2012. The relative contribution of local habitat and landscape context to metapopulation processes: A dynamic occupancy modeling approach. *Ecography* 35:581-589.
- (38) Perlut, N. G., A. M. Strong, and T. J. Alexander. 2011. A model for integrating wildlife science and agri-environmental policy in the conservation of declining species. *Journal of Wildlife Management* 75:1657–1663.
- (37) *Schwenk, W. S., and A. M. Strong. 2011. Contrasting patterns and combined effects of moose and insect herbivory on striped maple (*Acer pensylvanicum*). *Basic and Applied Ecology* 12:64-71.
- (36) Perlut, N. G., and A. M. Strong. 2011. Grassland birds and rotational grazing in the Northeast: Breeding ecology, annual survival, and management opportunities. *Journal of Wildlife Management* 75:715-720.
- (35) **Shustack, D. P., A. M. Strong, and T. M. Donovan. 2010. Habitat use patterns of Bobolinks and Savannah Sparrows in the northeastern U.S. *Avian Conservation and Ecology* 5:11-28.
- (34) *Schwenk, W.S., A.M. Strong, and T.S. Sillett. 2010. Effects of bird predation on arthropod abundance and tree growth across an elevational gradient. *Journal of Avian Biology* 41:367-377.
- (33) Strong, A. M., C. C. Rimmer. K. P. McFarland, and K. Hagen. 2009. Effects of mountain resorts on wildlife. Pages 99-126 in J. E. Milne, LeMense, J., and R. A. Virginia, Eds., *Mountain resorts: Ecology and the law*. Ashgate Publishing Ltd., UK.
- (32) ***Little, L. P., A. M. Strong, and N. G. Perlut. 2009. Aggressive response of adult Bobolinks to neck ligatures on nestlings. *The Wilson Journal of Ornithology* 121:441-444.
- (31) ***Fajardo, N., A. M. Strong, N. G. Perlut, and N. J. Buckley. 2009. Breeding and natal dispersal in Bobolinks and Savannah Sparrows. *The Auk: Ornithological Advances* 126:310-318.
- (30) *Perlut, N. G., A. M. Strong, T. M. Donovan, and N. J. Buckley. 2008. Regional population viability of grassland songbirds: Effects of Agricultural Management. *Biological Conservation* 141:3139-3151.
- (29) ***Masse, R. J., A. M. Strong, and N. G. Perlut. 2008. The potential of uncut patches to increase the nesting success of grassland songbirds in intensively managed hayfields: a preliminary study from the Champlain Valley of Vermont. *Northeastern Naturalist* 15:445-452.
- (28) **Zalik, N. J., and A. M. Strong. 2008. Effects of hay-cropping on invertebrate biomass and the breeding ecology of Savannah Sparrows (*Passerculus sandwichensis*). *The Auk: Ornithological Advances* 125:700-710.
- (27) *Perlut, N. G., A. M. Strong, T. M. Donovan, and N. J. Buckley. 2008. Grassland songbird survival and recruitment in heterogeneous agricultural landscapes: implications for

- source-sink demography. *Ecology* 89:1941-1952.
- (26) *Perlut, N. G., C. R. Freeman-Gallant, A. M. Strong, T. M. Donovan, C. W. Kilpatrick, and **N. J. Zalik. 2008. Agricultural management affects evolutionary processes in a migratory songbird. *Molecular Ecology* 17:1248-1255.
- (25) *Perlut, N. G., A. M. Strong, T. M. Donovan, and N. J. Buckley. 2006. Grassland songbirds in a dynamic management landscape: behavioral responses and management strategies. *Ecological Applications* 16:2235-2247.
- (24) Johnson, M. D., A. M. Strong, and T. W. Sherry. 2006. Migrants in tropical bird communities: The balanced breeding limitation hypothesis. *Journal of Avian Biology* 37:229-237.
- (23) Troy, A. R., A. M. Strong, S. C. Bosworth, T. M. Donovan, N. J. Buckley, and ***M. L. Wilson. 2005. Attitudes of dairy farmers regarding adoption of management practices for grassland songbirds. *Wildlife Society Bulletin* 33:528-538.
- (22) Johnson, M. D., T. W. Sherry, A. M. Strong, and ***A. Medori. 2005. Migrants in Neotropical bird communities: An assessment of the breeding currency hypothesis. *Journal of Animal Ecology* 74:333-341.
- (21) Sherry, T. W., M. D. Johnson, and A. M. Strong. 2005. Does winter food limit populations of migratory birds? Pages 414-425 in R. Greenberg and P. Marra, Eds., *Birds of two worlds: Ecology and Evolution of migratory birds*, Johns Hopkins University Press.
- (20) Strong, A. M., C. C. Rimmer, and K. P. McFarland. 2004. Effect of prey biomass on the reproductive success and mating strategy of a polygynandrous songbird, the Bicknell's Thrush (*Catharus bicknelli*). *The Auk: Ornithological Advances* 121:446-451.
- (19) ***Chandler, R. B., A.M. Strong, and ***C. C. Kaufman. 2004. Elevated lead levels in urban House Sparrows: a threat to urban Sharp-shinned Hawks and Merlins? *Journal of Raptor Research* 38:62-68.
- (18) Donovan, T. M., and A. M. Strong. 2003. Linkages between landscape theory and population dynamics: a review of the empirical evidence. Pages 35-54 in J. Bissonette and I. Storch, eds. *Landscape theory and resource management: linking theory with practice*. Island Press, Covelo, CA.
- (17) Donovan, T. M. and A. M. Strong. 2002. Effective population size. Pages 337-346 in *Spreadsheet exercises in conservation biology and landscape ecology* (T. M. Donovan and C. W. Weldon). Sinauer Associates, Inc., Sunderland, MA.
- (16) Strong, A. M., C. T. Dickert, and R. T. Bell. 2002. Effects of a ski trail on a ground beetle (Carabidae, Elateridae) community in northern Vermont. *Journal of Insect Conservation* 6:149-159.
- (15) Strong, A. M., C. C. Rimmer, K. P. McFarland, and K. Hagen. 2002. Effects of mountain resorts on wildlife. *Vermont Law Review* 26:689-716.
- (14) Strong, A. M., and T. W. Sherry. 2001. Body condition of Swainson's Warblers wintering in Jamaica, with emphasis on the conservation value of Caribbean dry forests. *Wilson Journal of Ornithology* 113:410-418.
- (13) Strong, A. M., and M. D. Johnson. 2001. Exploitation of a seasonal resource by Plain and White-crowned pigeons in southern Jamaica: Implications for conservation of tropical dry forests. *Wilson Journal of Ornithology* 113:73-77.
- (12) Strong, A. M., and T. W. Sherry. 2000. Habitat-specific effects of food abundance on the condition of Ovenbirds wintering in Jamaica. *Journal of Animal Ecology* 69:883-895.
- (11) Strong, A. M. 2000. Divergent foraging strategies of two Neotropical migrant warblers:

- implications for winter habitat use. *The Auk: Ornithological Advances* 117:381-392.
- (10) Johnson, M. D., and A. M. Strong. 2000. Length-weight relationships of Jamaican arthropods. *Entomological News* 111:270-281.
 - (9) Strong, A. M., T. W. Sherry, and R. T. Holmes. 2000. Bird predation on herbivorous insects: indirect effects on sugar maple saplings. *Oecologia* 125:370-379.
 - (8) Strong, A. M., G. T. Bancroft, and S. D. Jewell. 1997. Hydrological constraints on Tricolored Heron and Snowy Egret resource use. *The Condor: Ornithological Applications* 99:894-905.
 - (7) Bancroft, G. T. and A. M. Strong. 1996. The Yellow-crowned Night-Heron. Pages 450-456 in J. A. Rodgers, Jr., H. W. Kale II, and H. T. Smith (Eds.). *Rare and endangered Biota of Florida, Volume V, Birds*. University Presses of Florida, Gainesville.
 - (6) Bancroft, G. T., A. M. Strong, and M. E. Carrington. 1995. Deforestation and its effects on forest nesting birds in the Florida Keys. *Conservation Biology* 9:835-844.
 - (5) Strong, A. M., and G. T. Bancroft. 1994. Postfledging dispersal of White-crowned Pigeons: implications for conservation of deciduous seasonal forests in the Florida Keys. *Conservation Biology* 8:770-779.
 - (4) Bancroft, G. T., A. M. Strong, R. J. Sawicki, W. Hoffman, and S. D. Jewell. 1994. Relationships among wading bird foraging patterns, colony locations, and hydrology in the Everglades. Pages 615-657 in S. M. Davis and J. C. Ogden (eds.). *Everglades: The ecosystem and its restoration*. St. Lucie Press, Delray Beach, FL.
 - (3) Strong, A. M., and G. T. Bancroft. 1994. Patterns of deforestation and fragmentation of mangrove and deciduous seasonal forests in the upper Florida Keys. *Bulletin of Marine Science* 54:795-804.
 - (2) Strong, A. M., R. J. Sawicki, and G. T. Bancroft. 1994. A population estimate of White-crowned Pigeons based on flight-line counts. *Journal of Wildlife Management* 58:156-162.
 - (1) Strong, A. M., R. J. Sawicki, and G. T. Bancroft. 1991. Effects of predator presence on the nesting distribution of White-crowned Pigeons in Florida Bay. *Wilson Bulletin* 103:415-425.

Other peer-reviewed publications (species accounts chapters in Vermont's second Breeding Bird Atlas. All were peer-reviewed by one national expert and one local expert):

- (18) Strong, A. M. 2013. American Black Duck (*Anas rubripes*). Pages 82-83 in R. B. Renfrew, Editor. *The Second Atlas of Breeding Birds of Vermont*. University Press of New England, Hanover, NH and London.
- (17) Strong, A. M. 2013. Mallard (*Anas platyrhynchos*). Pages 84-85 in R. B. Renfrew, Editor. *The Second Atlas of Breeding Birds of Vermont*. University Press of New England, Hanover, NH and London.
- (16) Strong, A. M. 2013. Blue-winged Teal (*Anas discors*). Pages 86-87 in R. B. Renfrew, Editor. *The Second Atlas of Breeding Birds of Vermont*. University Press of New England, Hanover, NH and London.
- (15) Strong, A. M. 2013. Northern Pintail (*Anas acuta*). Pages 88-89 in R. B. Renfrew, Editor. *The Second Atlas of Breeding Birds of Vermont*. University Press of New England, Hanover, NH and London.
- (14) Strong, A. M. 2013. Green-winged Teal (*Anas crecca*). Pages 90-91 in R. B. Renfrew, Editor. *The Second Atlas of Breeding Birds of Vermont*. University Press of New

- England, Hanover, NH and London.
- (13) Strong, A. M. 2013. Ring-necked Duck (*Aythya collaris*). Pages 92-93 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (12) Strong, A. M. 2013. Common Goldeneye (*Bucephala clangula*). Pages 94-95 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (11) Strong, A. M. 2013. Red-breasted Merganser (*Mergus serrator*). Pages 100-101 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (10) Strong, A. M. 2013. Black-throated Blue Warbler (*Setophaga caerulescens*). Pages 364-365 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (9) Strong, A. M. 2013. Red-winged Blackbird (*Agelaius phoeniceus*). Pages 436-437 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (8) Strong, A. M. 2013. Common Grackle (*Quiscalus quiscula*). Pages 442-443 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (7) Strong, A. M. 2013. Brown-headed Cowbird (*Molothrus ater*). Pages 444-445 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (6) Strong, A. M. 2013. Baltimore Oriole (*Icterus glabula*). Pages 448-449 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (5) Strong, A. M. 2013. Purple Finch (*Carpodacus purpureus*). Pages 450-451 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (4) Strong, A. M. 2013. House Finch (*Carpodacus mexicana*). Pages 452-453 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (3) Strong, A. M. 2013. American Wigeon (*Anas americana*). Page 467 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (2) Strong, A. M. 2013. Northern Shoveler (*Anas clypeata*). Page 468 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (1) Strong, A. M. 2013. Bufflehead (*Bucephala albeola*). Page 471 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.

Other publications:

- (4) Strong, A.M. 2015. How much is a Bobolink worth? Bird Observer 43(1):15-20.
- (3) Strong, A.M. 2011. Book review: Insects and Wildlife: Arthropods and their Relationships with Wild Vertebrate Animals; John L. Capinera. Journal of Field Ornithology 82:235-237.

- (2) Strong, A.M. and N.G. Perlut, U.S. Department of Agriculture, Natural Resources Conservation Service. 2010. Management considerations for grassland birds in northeastern haylands and pasturelands. Wildlife Insight No. 88. Washington, DC.
- (1) Bancroft, G. T., S. D. Jewell, and A. M. Strong. 1990. Foraging and nesting ecology of herons in the lower Everglades relative to water conditions. Final report to the South Florida Water Management District, West Palm Beach, Florida, USA.

GRANTS RECEIVED

- 2017 – Vermont Agency of Natural Resources: Connecting the Vermont Agency of Natural Resources and the Rubenstein School through experiential learning (PI), \$8,000.
- 2017 – National Institute of Food and Agriculture: Higher Education Multicultural Scholars Program, M. Vea-Fagnant PI, with (Allan Strong, Kris Stepenuck, James Murdoch, co-PIs.) \$144,000.
- 2016 – Vermont Agency of Natural Resources: Connecting the Vermont Agency of Natural Resources and the Rubenstein School through experiential learning (PI), \$8,000.
- 2015 – NSF – Research and Strategic Planning for the Mount Mansfield Science and Stewardship Center; N. Mathews, PI, with (Allan Strong, Chris Rimmer, Jennifer Pontius, Richard Paradis (Co-PIs; \$24,969)
- 2014 – McIntire-Stennis (USDA/US Forest Service) – Managing the matrix: A Framework for Assessing Ecosystem Services in Forested Landscapes; W. Keeton, PI, with T. Ricketts, G. Galford, C. Danks, W. Kuentzel, K. Wallin, J. O’Neil-Dunne, and A. Strong (co-PI’s; \$760,616)
- 2013 – Northeastern States Research Cooperative – Faculty mentor/co-PI for Christopher Hansen: Testing the value of high resolution LiDAR data for assessing the structure and integrity of forest canopies that influence tree health, insect populations, and bird habitats (\$10,000).
- 2013 – Northeastern States Research Cooperative – Faculty mentor/co-PI for Christine Peterson: Powerline rights of way and population declines in early successional bird species: Making connections with private landowners (\$10,000).
- 2011 – Northeastern States Research Cooperative - Testing the value of high resolution LiDAR data for assessing the structure and integrity of forest canopies that influence tree health, insect populations, and bird habitats. (\$71,866, PI: A. Strong, co-PIs: P. Schaberg, G. Hawley, J. O'Neil-Dunne)
- 2011 – USDA/NIFA/AFRI - Making Markets for Ecosystem Services of Farms on the Rural Fringe: Vermont Grasslands for Hay and Nesting Songbirds (\$450,499, PI: S. Swallow, Co-PIs: C. Anderson, L. Chase, A. Strong; UVM subaward \$100,000)
- 2009 – Northeastern States Research Cooperative - Moose Herbivory: a Keystone Ecological Process in the Northern Forest Influencing Biodiversity (\$39,914, PI: A. Strong, co-PI: L. Christenson)
- 2009 – USDA/CSREES National Research Initiative - Landscape context as a framework to quantify the multifunctionality of agricultural systems in the Northeast (\$382,161, PI: A. Strong, with co-PIs S. Lovell, E. V. Mendez, A. Troy, and N. Perlut)
- 2009 – University of Vermont Undergraduate Research Endeavors Competitive Awards - Conspecific Attraction as a Conservation Tool for the Endangered Upland Sandpiper (1 year, \$4,000, Faculty mentor for Molly Kaplan)

- 2008 – McIntire-Stennis - Moose Herbivory: A Keystone Ecological Process in the Northern Forest (2 years, PI, ~\$13,000)
- 2007 – USDA/CSREES National Needs Graduate and Post-graduate Fellowship Grant Multicultural Doctoral Education in Ecosystem and Watershed Science: Meeting the Global Challenge of a Diverse Community of Scholars (\$229,500, PI – D. Wang, with co-PIs W. Bowden, J. Grove, A. Strong, A.M., A. Troy, A., and M. Watzin).
- 2006 – USDA/CSREES – Multicultural Fellows: Developing the Next Generation of Conservation Leaders at the University of Vermont (\$156,000, PI – D. Wang with co-PIs C. Ginger, M. Vea-Fagnant, J. Hughes, M. Watzin, and A. Strong)
- 2006 – University of Vermont Undergraduate Research Endeavors Competitive Awards - The Effects of Agricultural Management on Dialect Formation in Boblinks (1 year, \$4,000, Faculty mentor for Anastasia Yarbrough)
- 2005, 2006, 2007 – USDA/CSREES –Multicultural Scholars Program at UVM – The Rubenstein School of Environment and Natural Resources (\$120,000, D. DeHayes/Lawrence Forcier, PI’s, with D. Wang, C. Newton, M. Erb, C. Ginger, J. Shane, A. Strong, and M. Vea-Fagnant, Co-PI’s).
- 2005 – Northeastern States Research Cooperative - Implications of Acid Deposition-Induced Depletion of Soil Calcium for Insect Herbivores and Insectivorous Birds in Northeastern Forests (2 years, \$33,297, PI, with T. Scott Sillett, Nicholas Rodenhouse, and W. Scott Schwenk, Co-PIs)
- 2005 – USDA/CSREES McIntire-Stennis - A Population Viability Analysis for the Bicknell’s Thrush (*Catharus bicknelli*): Assessing Sensitivity to Environmental Perturbation – (3 years, \$18,282, PI, with Chris Rimmer and Kent McFarland, Co-PIs)
- 2005 – Natural Resources Conservation Service – Population viability of grassland songbirds in the Champlain Valley (2 years, \$70,000, PI, with T. Donovan and N. Perlut, Co-PIs).
- 2004 – Northeastern States Research Cooperative – The Vermont Forest Ecosystem Management Demonstration Project (3 years, \$135,000, W. Keeton, PI, with A. Strong, A. Troy, D. Tobi, M. Skinner, and W. Bowden, C. M. Danks, Co-PIs).
- 2003 – USDA/CSREES McIntire-Stennis - Indirect Effects of Avian Insectivory on Biomass Production in an Understory Tree: Does Climate Change Disrupt Tritrophic Interactions? (2 years, \$15,800, P.I., with T. S. Sillett, Co-PI)
- 2003 – USDA/CSREES NRI – Hayfields as sustainable habitat for grassland bird populations: ecological and economic impacts of “bird-friendly” hay (3 years, \$300,000, PI, with T. Donovan, A. Troy, S. Bosworth, and N. Buckley, Co-PIs)
- 2002 – USDA/CSREES NRI – Structural complexity enhancement in Northern Hardwood-Hemlock forests and effects on avian and invertebrate diversity (3 years, \$74,994 W. Keeton, PI, with A. Strong, M. Skinner, and D. Tobi, Co-PI)
- 2001 – SuGR/FaMe – Potential dietary threats to urban Sharp-shinned Hawks (1 year, \$4,000, Faculty mentor for Richard Chandler)
- 2001 – USDA/CSREES IFAFS – Evaluating management practices for grassland birds in forage crops (2 years, \$100,000, PI, with T. Donovan, A. Troy, S. Bosworth, and N. Buckley, Co-PIs)
- 2000, 2001 – Vermont Monitoring Cooperative – Long-term monitoring of high elevation arthropod populations (1 year each, \$14,533 PI).
- 1994 – Chicago Zoological Society – Demographics of ground-foraging Neotropical migrants in Jamaica (1 year, \$2,000, PI).

1994 – Sigma Xi – Winter ecology of Ovenbirds and Swainson’s Warblers (1 year, \$812, PI).

STUDENT MENTORING

Primary Advisor, M.S.:

- 2004: Shustack, Daniel – Bobolink and Savannah Sparrow Habitat Selection in the Champlain Valley.
- 2004: Brooks, Regan – Priority marsh bird conservation in the southern Champlain Valley, Vermont.
- 2006: Andersen, Sally – Avian abundance, diversity, and habitat associations in major riparian corridors of Gates of the Arctic National Park, Alaska
- 2007: Zalik, Nathan: Effects of agricultural management on breeding Savannah Sparrows (*Passerculus sandwichensis*) mediated through food availability.
- 2008: Frey, Sarah - Metapopulation dynamics and multi-scale habitat selection of a montane forest songbird.
- 2008: Biasioli, Traynor – Using stable isotopes to understand seasonal interactions in a long-distance migratory songbird.
- 2009: Sutti, Flavio – Identifying priority conservation areas for grassland birds in the Champlain Valley of Vermont.
- 2010: Cline, Mason –Correlates and consequences of breeding dispersal in the Black-throated Blue Warbler.
- 2013: Novetti, Corinne – Comparing agency and interest group perspectives about public involvement in the management of Double-Crested Cormorants on Lake Champlain: An exploratory study.
- 2013: McDonald, Michael –Multitrophic interactions: Moose herbivory affects nest site selection.
- 2014: Gulka, Allison – Effects of habitat fragmentation and spatial scale on avian nest success in the Champlain Valley of Vermont.
- 2015: Peterson, Christine – Habitat use by early successional bird species along powerline rights of way: Making connections with private landowners.
- 2015: Hansen, Christopher – LiDAR remote sensing of forest canopy structure: An assessment of the accuracy of LiDAR and its relationship to higher trophic levels.

Primary Advisor, PhD:

- 2007: Perlut, Noah – Effectts of Hayfield Management on Grassland Songbirds: Behavioral Responses and Population Processes.
- 2007: Schwenk, Scott. Interactions among birds, insects, trees and the Eenvironment in a northern forest ecosystem.
- 2015: Sutti, Flavio – Importance of agricultural systems as multifunctional landscapes.

Primary Advisor, Post-doctoral Fellows:

2009-2010: Perlut, Noah

Committees – MS:

Hughes, Megan (2003), Kart, Jonathan (2003) Smith, Amy (2003), Puryear, Kristen (2004), Clark, Jeremy (2006), Pindell, Katie (2007), Mulford, Sara (2008), Dombrowski, Peter (2008), Jaffe, David (2009), Abouelezz, Hanem (2009), Mosco, Rosemary (2010), Calle, Leo, (FL Atl

Univ., 2014), Lkhagvasuren, Myaga (2015), Deely, Kat (2015), Cassidy, Lisa (SUNY Albany) (2017), Woods, Andy (2018), Neuhaus, Alyssa (2022). Lacey, Matt (in progress), Drasher, Caitlin (in progress),

Committees – PhD:

Bonter, David (2003), Sullivan, Mazeika (2004), Cornell, Kerri (2007), Martinsen, Ellen (2009), Goodall, Katie (2013), Katz, Jonathan (2015), Balantic, Cathleen (2019).

Undergraduate Honors Theses (advisor):

- 2002: Chandler, Richard – Elevated lead levels in urban house sparrows: A threat to sharp-shinned hawks and merlins?
- 2005: Heimbach, Sarah – Dominance status and its effects on exploratory behavior in the Mongolian Gerbil
- 2006: Fajardo, Natalia – Natal and breeding dispersal in Bobolinks and Savannah Sparrows
- 2007: Masse, Roger – Can uncut patches increase the nesting success of grassland songbirds in intensively managed hayfields?
- 2007: Little, Lynn – A comparison of methods for diet quantification in nestling Bobolinks (*Dolichonyx oryzivorus*)
- 2008: Klingler, Karen – Bobcat habitat in the Winooski River Watershed, Vermont: a spatially explicit model of core habitat and development threats
- 2009: Henrichs, Heidi – The effect of elevation and sex on parental provisioning behavior of Black-throated Blue Warblers, *Dendroica caerulescens*
- 2010: Lester, Michael – The influence of lunar phase and predation on the vocalization behavior of Eastern Whip-poor-wills
- 2011: Amici, Autumn – Effects of an urbanization gradient on arthropod prey availability and woodpecker provisioning rates
- 2014: Streker, Rachele – Modeling of Common Terns, *Sterna hirundo*, on Lake Champlain and predictions for the future
- 2014: Payeur, Gina – Factors affecting Bobolink home range size in Vermont’s Champlain Valley
- 2016: Stoner, Katie – Effect of variation in ocean temperature on nest attentiveness of a rare seabird, the Kittlitz’s Murrelet
- 2016: Cherukuri, Aswini – Population estimate, distribution assessment, and detection probability analysis of Least Bitterns in Vermont
- 2016: Mailhot, Jessica – Wingstrokes: Linking migration citizen science data for Blue-headed & Red-eyed Vireos to spring climate in Vermont
- 2017: Ramsing-Lund, Amanda – Conserving Vermont’s endangered species through designation of critical habitat
- 2018: Sharp, Nathaniel – Cause of nest failure affects within season dispersal of Bobolinks
- 2020: Dillon, Kayley – An occupancy model for Olive-sided Flycatchers in the northeastern U.S.
- 2021: Higgins, Garrett – Effects of elevation and habitat on occupancy probability, colonization, and extinction in high elevations thrushes
- 2021: Koval, Chloe – Effects of anthropogenic noise on the singing behavior of Northern Cardinals
- 2021: Spindel, Jordan – Effects of patch size on the breeding bird community of Burlington, Vermont, USA

Environmental Studies Senior Theses (advisor):

2002: Holmgren, Amanda – The territorial responses of six songbirds to ski trails at Smugglers Notch resort and Stowe Mountain resort, Vermont

2014: Nolting, Kyle – Ecology and management of shrubland birds: the Golden-winged Warbler

Other advising activities:

2003-2006: Advisor for UVM Living Learning Suite WILD

2005-2008: Faculty advisor for UVM student club STAR

2008-2010: Faculty advisor for the UVM student chapter of The Wildlife Society

2001, 2003, 2014, 2017-present: First year advisor in the Rubenstein School (17-23 students)

2002, 2004-present: Faculty advisor for Wildlife and Fisheries Biology students (14-43 students)

2001-Present: Advisor for 37 internships

2005: Advisor for two McNair Scholars (program to increase the number of first generation lower income and underrepresented minority students who earn a PhD)

TEACHING EXPERIENCE**Courses taught - University of Vermont***Primary undergraduate responsibilities:*

Field Ornithology (2010-present, 2 week field-intensive summer course; 25 students)

Population and Habitat Measurements (2010-present, 1 week field-intensive summer course; 20 students)

Florida Wildlife Ecology (2005-2018, travel course alternate years; 11 students)

Texas Wildlife Ecology (2008-2017, travel course alternate years; 11 students)

D1: Power, Privilege and Environment (2012-2014, 2017-2020; 20-70 students)

Principles of Wildlife Management (1999-2011, 2019; 40-76 students)

Ornithology (2000-2010, 2020-21; 40-100 students)

Conservation Biology (2000, 2002-2010; 30-60 students)

Critical Reflection and Dialogue (2019; 20 students)

Introduction to Wildlife Biology and Forestry (2020, 2021; 45 students)

Undergraduate courses taught less frequently:

D1: Race and Culture in Natural Resources (Lead instructor 2008, 2009, 2018, and 2020; 130-178 students; discussion section leader 2001, 2003, 2014, 2017, 2018, and 2020; 20 students)

SU: Wildlife Conservation (2001-2003, 2018, 2019; 40-85 students)

Ecosystem Ecology (1999)

Wetland Wildlife Ecology (2010)

Primary graduate teaching responsibilities:

Envisioning a Sustainable Future (2013-present; 15-32 students)

Applied Ecology, Environment and Society (2014-2017; 19-27 students)

Graduate courses taught once or twice:

Habitat Fragmentation (2001, 2002)

Matrix Dynamics (2003)

Topics in Landscape Ecology (2005)

Avian Ecology (2007)

Multifunctional Agricultural Systems (2012)

Guest lectures at University of Vermont:

Abenaki Summer Happening Program (2013)
Agroecology short course (2011, 2013)
Applied Wildlife Management and Field Ecology (2013, 2015)
Climate, Forest, Community (2016, 2018)
Conservation Biology (2015)
Ecology and Evolution (2013)
Ecology for Sustainability (annual 2011-2017)
Ecology, Ecosystems, and Environment (2020)
Emerging Technologies and Health (2016)
Forest Conservation (annual)
Foundations of Sustainable Recreation (2018)
Measurements and Mapping (annual 1999-2013)
Natural History & Human Ecology (2018, 2019, 2020, 2021)
Natural Resource Ecology and Assessment I (annual 2014-2020)
Natural Resource Ecology and Assessment II (2015)
Nature and Culture (2017, 2018, 2019)
Ornithology (2012-2015)
Principles of Wildlife Management (2013, 2014)
Race and Culture in Natural Resources (2015, 2016, 2017)
Ski Area Management (annual)
Social Processes and the Environment (2010)
Wetland Ecology (2015)
Wetland Wildlife Ecology (2011, 2012)
Wildlife and Society (2009, 2011)
Wildlife Conservation (2005, 2007, 2009, 2010, 2013, 2014)

INVITED PRESENTATIONS

2021 - Birds of Winooski and Burlington (Burlington Wildways City Nature Series)
2021 - Taking Steps to Encourage Diversity, Equity and Inclusion Within the Fish and Wildlife Profession: The Perspective from Higher Education (Plenary - Northeastern Fish and Wildlife Conference, coauthor Marie Vea)
2020 – Conserving Grassland Birds in Agricultural Landscapes (Rochester Birding Association)
2020 – Payment for Ecosystem Services as a Tool for Wildlife Conservation: The Bobolink Project (University of Maine, Orono, Department of Wildlife, Fisheries, and Conservation Biology seminar series)
2017 – The Bobolink Project (Missisquoi NWR International Migratory Bird Day)
2017 – Birds of the Burlington Bike Path (Burlington Geographic)
2017 – Nature Notes (South Burlington Land Trust Annual Meeting)
2016 – Species of Greatest Conservation Need: Nongame Wetlands Birds (Vermont Fish and Wildlife Department Staff Retreat)
2016 – Bird Basics: Wonders of the Natural World (Green Mountain Audubon)
2015 – Bye Bye Birdie: The state of Vermont’s Birds (Science Pubs – Rutland Free Library)
2015 – Avian Ecology and Conservation (Vermont Commons School)

- 2014 – Is Vermont an Island? How Does Science Inform Endangered Species Conservation? (Loon to Lynx Celebrating the 40th anniversary of the Endangered Species Act (Vermont Agency of Natural Resources)
- 2014 – Avian Migration: Links to energy and communication development in Vermont (Vermont Agency of Natural Resources)
- 2014 – The Bobolink Project: A new direction in wildlife conservation (Otter Creek Audubon)
- 2014 – Agricultural working lands and wildlife: Grassland bird conservation in northeastern haylands (Natural Resources Conservation Service Webinar, available online at: <http://www.conservationwebinars.net/webinars/grassland-bird-conservation-in-northeastern-haylands-and-pasturelands>)
- 2014 – Bobolink Research in the Champlain Valley (Friends of the Bobolink Project – Trapp Family Lodge, Stowe, VT)
- 2013 – Not Quite Endangered: Species of Special Concern in Vermont (Green Mountain Audubon)
- 2013 – Birding the Green Mountains: Habitats, Elevational Gradients, and Climate Change (Green Mountain Club of Vermont)
- 2013 – Fruit-eating pigeons and Wallace’s Line (Forest and Field Club of Addison County)
- 2012 – Grassland birds in the Northeast: Ecology, conservation, and management (Vermont Botanical and Bird Club)
- 2012 – “Bird-friendly” farming in the Northeast - Grassland and Shrubland Bird Workshop (Smithsonian Conservation Biology Institute, Piedmont Environmental Council, and American Bird Conservancy)
- 2011 – Grassland Bird Conservation in Vermont (North Branch Nature Center)
- 2010 – Demography and management of grassland birds in northeastern haylands (Smithsonian Migratory Bird Center)
- 2010 – Bird-friendly management practices in agricultural landscapes (Fund for North Bennington)
- 2009 – Birding by ear (Green Mountain Audubon)
- 2009 – Bird-friendly management practices in agricultural landscapes (Tin Mountain Conservation Center, NH)
- 2009 – Effects of agricultural management on the behavior and demography of grassland birds (UVM Biology Department seminar series)
- 2008 – Grassland bird conservation in the Northeastern US: management opportunities in a dynamic agricultural landscape (International Partners in Flight meeting)
- 2007 – Birding by ear (Green Mountain Audubon)
- 2005 – Sustaining migratory songbirds: Audubon’s northern forest bird initiative (Otter Creek Audubon Annual Meeting)
- 2005 – Agricultural landscapes in Vermont’s Champlain Valley: An ecological trap for grassland birds? (Vermont/New Hampshire Birder’s Conference)
- 2004 – Vermont wildlife: preserving species through conservation planning (Living Learning Speaker Series)
- 2004 – Open space planning and wildlife habitat (Vermont Association of Conservation Commissions)
- 2003 – Open space planning and wildlife habitat in the greater Burlington area (The Wildlife Society annual meeting)
- 2003 – Habitat quality for migratory songbirds: foraging strategies, mating systems, and

- population viability (Louisiana State University)
- 2003 – Quantifying habitat quality for migratory birds across a disturbance gradient: Are we setting ecological traps? (Rutgers University)
- 2003 – Agriculture and Wildlife (Vermont Grazing Conference)
- 2002 – Bugs: It’s what’s for dinner! Prey abundance as a determinant of habitat quality for migratory birds (University of Maine, Orono seminar series)
- 2001 – Effects of Mountain Resorts on Wildlife Habitat (Mountain Resorts: Ecology and the Law; Dartmouth College and Vermont Law School)

MEDIA COVERAGE

Grassland bird conservation

[Boston Globe](#)

[Audubon Magazine](#)

[VPR](#)

[UVM Communications](#)

[Cornell Extension](#)

[Country Folks](#)

[UVM YouTube](#)

[Public access](#)

[Across the Fence](#)

[Across the Fence](#)

(Many other local media stories no longer archived)

Other

[Vermont Quarterly](#)

[UVM Faculty Feature](#)

[Burlington Free Press](#)

CONTRIBUTED PRESENTATIONS AT SCIENTIFIC MEETINGS

Recent presentations:

Using field-based research to incentivize bird-friendly hayland management in New England. **A. Strong**, T. Alexander, N. Perlut. (Oral). 2018 Northeastern Association of Fish and Wildlife Agencies (Regional)

Natal dispersal: A Tool for Grassland Bird Conservation. **A. Strong** and N. Perlut. (Oral). 2018 Northeastern Naturalists Conference (Regional).

Revitalizing natural resources core curriculum: Rubric-based assessment and collaborative design M. Burke, **A. Strong**, W. Poleman, and A. Yin (Oral/Workshop). 2018 Biennial Conference on University Education in Natural Resources (National).

The Bobolink Project: Payment for Ecosystem Services for Grassland Bird Conservation. **A. Strong**, S. Swallow, L. Chase, and A. Chakrabarti. (Oral). 2016 North American Ornithological Conference (International).

A multicriteria decision analysis approach for identifying priority conservation areas for grassland birds. **A. Strong** (Oral). 2016 Northeast Natural History Conference (Regional).

- Stephen Swallow, Anwasha Chakrabarti, Chris Anderson, Pengfei Liu, Allan Strong and Lisa Chase. 2014. Generating revenue from “consumers” for ecosystem services: Lessons from Bobolink farming. A Community on Ecosystem Services (ACES) annual meeting (National).
- Perlut, N., and **A. Strong**. (Poster). 2013. PVA's beware: Greater than expected first-year survival rates for migratory songbirds. International Society for Conservation Biology.
- Perlut, N., and **A. Strong**. (Oral). 2012. Evaluating the 50% assumption: Greater than expected first-year survival rates for migratory songbirds. 2012 Annual Meeting, Ecological Society of America (International).
- Delayed second cuts: A new Farm Bill program to increase grassland bird nest success. **A. Strong** and N. Perlut. (Oral). 2009 American Ornithologists' Annual Meeting (International).
- Natal, breeding, and within-season dispersal in Bobolinks: Implications for management, conservation, and populations dynamics. **A. Strong** and N. Perlut. (Oral). 2008 American Ornithologists' Annual Meeting (International).
- When good birds select bad habitat: grassland birds in an agricultural landscape. **A. Strong**, T. Donovan, N. Perlut, N. Buckley. (Poster). 2006 North American Ornithological Conference (International).
- Are hayfields ecological traps for grassland songbirds? Habitat selection and reproductive success of Bobolinks and Savannah Sparrows in agricultural landscapes. **A. Strong**, T. Donovan, N. Perlut, and N. Buckley. (Oral). 2005 Cooper Ornithological Society Annual Meeting (National).
- Land use patterns as an ecological trap for Bobolinks in the Champlain Valley. **A. Strong**, N. Perlut, D. Shustack, K. Puryear. (Oral). 2004 American Ornithologists' Union Annual Meeting (International).
- Can prey abundance be used as a measure of habitat quality for insectivorous passerines? **A. Strong**, T. Sherry, C. Rimmer, K. McFarland. (Oral). 2003 Wildlife Society Annual Meeting (National).
- How does winter food limit bird populations. **T. Sherry**, M. Johnson, A. Strong. (Oral). 2003 Birds of Two Worlds Symposium – Smithsonian Institution (International).
- Effects of prey biomass on the mating strategy of Bicknell's Thrush. **A. Strong**, C. Rimmer, K. McFarland. (Oral). 2002 North American Ornithological Conference (International).
- Prey abundance and home range size of non-breeding Ovenbirds. **A. Strong**, T. Sherry. (Oral). 2000 American Ornithologists' Union Annual Meeting (National).
- An experimental study of the indirect enhancement of sugar maple growth via bird predation on herbivorous insects. **A. Strong**, T. Sherry, R. Holmes. (Oral). 1999 American Ornithologists' Union Annual Meeting (National).
- Effects of food availability on wintering Ovenbirds in Jamaica. **A. Strong**, T. Sherry. (Oral). 1999 American Ornithologists' Union Annual Meeting (National).

Presentations by students:

- Identifying priority conservation areas for grassland birds in the Champlain Valley. **F. Sutti**, A. Strong. 2010 American Ornithologists' Annual Meeting (International).
- Correlates and consequences of breeding dispersal in the Black-throated Blue Warbler. **M. Cline**, N. Rodenhouse, T. S. Sillett, and A. Strong. 2010 American Ornithologists' Annual Meeting (International).

- The importance of scale in determining site occupancy patterns for a montane forest songbird in Vermont. **S. F. Frey**, A. Strong, D. Lambert, and J. Hart. 2008 American Ornithologists' Annual Meeting (International).
- Habitat management and variable patterns of sexual selection in Savannah sparrows. **N. Perlut**. (Oral) 2008 International Behavioral Ecology Conference (International).
- Breeding dispersal in the Black-throated Blue Warbler. **M. Cline**. (Oral) 2008 Hubbard Brook Cooperators Meeting (Regional).
- Depletion of soil calcium in northern forests: implications for herbivores and insectivorous birds. **W.S. Schwenk**, A. Strong, N. Rodenhouse, T.S. Sillett. (Poster). 2006 Northeastern States Research Cooperative Annual Meeting (Regional).
- The evolutionary impacts of hayfield management on a songbirds' social and genetic mating system. **N. Perlut**, C. Freeman-Gallant, A. Strong, T. Donovan, and C. Kilpatrick. (Poster). 2006 North American Ornithological Conference (International).
- Modeling population dynamics and assessing viability of a montane forest songbird in Vermont. **S. Frey**, A. Strong, K. McFarland, D. Lambert, C. Rimmer. (Poster). 2006 North American Ornithological Conference (International).
- Mapping land use change of grassland breeding bird habitat in the Champlain Valley, Vermont. **R. Pfeiffer** and A. Strong. (Oral). 2006 North American Ornithological Conference (International).
- How does hay cutting affect dialect formation in Bobolinks? **A. Yarbrough**. (Poster). 2006 North American Ornithological Conference (International).
- The evolutionary impacts of hayfield management on a songbirds' social and genetic mating system. **N. Perlut**, C. Freeman-Gallant, A. Strong, T. Donovan, and C. Kilpatrick. (Oral). 2006 Animal Behavior Society Annual Meeting (National).
- Carry-over effects in the black-throated blue warbler: Using stable isotopes to understand seasonal interactions. **T. Biasioli**. (Oral). 2006 Hubbard Brook Cooperators Meeting (Regional).
- Do agricultural management practices affect habitat selection in grassland songbirds? **N. Fajardo**, N. Perlut, and A. Strong. (Poster). 2006 Center for Biodiversity and Conservation (American Museum of Natural History) symposium, Conserving Birds in Human-Dominated Landscapes (International).
- Hayfields of the Champlain Valley: An ecological trap for grassland nesting songbirds? **N. Perlut**, A. Strong, T. Donovan, and N. Buckley. (Oral). 2006 Northeast Fish & Wildlife Conference (Regional).
- Mapping land use change of grassland breeding bird habitat in the Champlain Valley, Vermont. **R. Pfeiffer**. (Oral). 2006 Northeast Biological Graduate Student Conference (Regional).
- Hayfield Management Effects on Food Availability for Breeding Savannah Sparrows (*Passerculus sandwichensis*): Implications for Reproductive Fitness. **N. Zalik**. (Oral). 2006 Northeast Fish & Wildlife Conference (Regional).
- Implications of calcium depletion for insects and birds at Hubbard Brook Experimental Forest. **S. Schwenk**. (Oral). 2005 Hubbard Brook Cooperators Meeting (Regional).
- Hayfields of the Champlain Valley: An ecological trap for grassland nesting songbirds? **N. Perlut**, A. Strong, T. Donovan, and N. Buckley. (Oral). 2004 Wildlife Society Annual Meeting (International).

The effects of hayfield management on the social mating system of Savannah Sparrows. **N. Perlut**, T. Donovan, and A. Strong. (Oral). 2004 American Ornithologists Union (International).

Effects of birds on insects and striped maples across an elevational gradient at Hubbard Brook Experimental Forest. **W. S. Schwenk**. (Oral). 2004 Hubbard Brook Cooperators Meeting (Regional).

Hayfields of the Champlain Valley: An ecological trap for grassland nesting songbirds? **N. Perlut**, A. Strong, T. Donovan, and N. Buckley. (Oral). 2003 The Wildlife Society Annual Conference (National).

PROFESSIONAL MEMBERSHIPS

The Ecological Society of America
American Ornithological Society
Society for Conservation Biology

The Wildlife Society
Wilson Ornithological Society
Association of Field Ornithologists

REFeree FOR PROFESSIONAL JOURNALS/GRANT PROPOSALS/BOOKS

Animal Behavior, Animal Conservation, Animals, Austrian Academy of Sciences, Avian Conservation and Ecology, The Auk: Ornithological Advances, Biological Conservation, Biology Letters, The Condor: Ornithological Applications, Colonial Waterbirds, Conservation Biology, Ecology, Ecological Applications, Environmental Conservation, Environmental Management, Journal of Animal Ecology, Journal of Ethology, Journal of Field Ornithology, Journal of Raptor Research, Journal of Tropical Ecology, Journal of Wildlife Management, Maine Agricultural and Forest Experiment Station, National Science Foundation (LTREB), Northeastern Naturalist (as well as Guest Editor), Northern Journal of Applied Forestry, Northeastern States Research Cooperative, Oecologia, Oikos, Ornithology textbook, Ornitología Neotropical, Ornithological Monographs, PLOS One, USDA/NIFA, The Wilson Journal of Ornithology, Wildlife Society Bulletin, Urban Naturalist (Guest Editor).

SERVICE (* = currently engaged in activity)

Professional

2021 – External Evaluator (for promotion and tenure) – University of Hawai’i

2021 – External Evaluator (for promotion and tenure) – Mississippi State University

2020 – External Evaluator (for promotion and tenure) – The Ohio State University

2017 – External Evaluator (for promotion) – Smithsonian Migratory Bird Research Center

2016 – N. Am. Ornithological Conference – Student-mentor program (member)

2015-16 – Northeastern States Research Cooperative Theme 1 review panel (member)

2014 – External evaluator (for promotion and tenure) - Colorado State University)

2014 – Planning Committee - Loon to Lynx Celebrating the 40th anniversary of the Endangered Species Act (Vermont Agency of Natural Resources)

2013* - Vermont Endangered Species Committee (Gubernatorial appointment; Chair 2019 to present)

2011 – NSF review panel (Population and Community Ecology)

2012 – External evaluator (for promotion and tenure) - University of Delaware
2012-15 – American Ornithological Society Senior Awards Committee (member)
2007-11 - Steering committee – Vermont Breeding Bird Atlas
2004-2005, 2014-15 – Bird team, Vermont Wildlife Action Plan
2003* – Vermont Scientific Advisory Group: Birds (Vice-chair)
2003 – NRCS State Technical Subcommittee for review of the Grassland Reserve Program (GRP)
2002* – NRCS State Technical Subcommittee for review of the Forestry and Wildlife programs
2002* – Grassland songbird recovery team (member)

University of Vermont

2020 - 5-year review committee – Chair UVM Department of Animal and Veterinary Science (chair).
2020 - General Education ad hoc committee – Global Citizenship requirement (co-chair)
2019 – General Education Alignment Taskforce (member), Provost Office appointment
2019 – Search Committee – University of Vermont Interim Provost (member), President’s Office appointment
2019-2020 – Mentor – Justine Dee, APTA Education Leadership Institute (College of Nursing and Health Sciences Doctor of Physical Therapy Program Director)
2018-19 – Associate Provost Recruitment Advisory Committee (member), Provost Office appointment
2017-2019 – NEBHI Accreditation Self-Study project (Standard Four: Academic Program; member), President’s Office appointment
2017-2019 – Summer U Advisory Board (member)
2017 – Search Committee – UVM Registrar (member)
2016-17 – Search Committee – Department Chair, Rehabilitation and Movement Science (College of Nursing and Health Sciences; Chair)
2015-2018 –UVM Career Center Advisory Board (member)
2015-2019 – Educational Stewardship Committee (Provost appointment, member)
2015-2019 – UVM Associate Dean’s group (member, convener 2015-2018)
2014 – UVM Diversity Curriculum Review Committee (member)
2013-14 –David Blittersdorf Professor of Sustainability Science and Policy search committee (Co-chair)
2013-14 –General Education: Sustainability Learning Outcome Committee (member)
2012-15 – UVM Udall Award Review Committee (member)
2012 –UVM Extension Associate Dean search committee (Co-chair)
2007-10 – UVM Faculty Marshal for commencement
2008 – RSENR Dean’s Search committee (member)
2006-2019 – Honors College Council (RSENR representative)

Rubenstein School

2017-2020 – RSENR Honors and Studies Committee (member, Chair 2019-20)
2019* – Inclusivity, Diversity, Equity and Action (IDEA) Committee, Chair
2018* – Community of Practice (diversity and equity; member)
2017-2021 – RSENR Assessment Coordinator
2017 – Search Committee – Assistant to the Associate Deans (co-Chair)

2016 – Search Committee – Assistant to the Associate Deans (co-chair)
2016 – Search Committee – Research Assistant Professor in Environmental Science (Chair)
2016 – Search Committee – Associate Professor in Environmental Science (co-chair)
2015 – Search committee – Assistant to the Associate Deans (Chair)
2015 – Search committee – Executive Assistant to the Dean (member)
2014-2019 – RSENR Leadership Team (member)
2013 – Mount Mansfield Science and Stewardship Center Steering committee (member)
2011-12 – RSENR Strategic Planning Committee (member)
2009 – RSENR Ad hoc Core Curriculum Committee (member)
2008-11, 2018-2020 – RSENR Honors and Studies Committee (member, chair 2011)
2009 – Mammalian Ecologist Search Committee (member)
2008-2011, 2014 – Wildlife and Fisheries Biology Program Director
2007-11 – Co-chair Forest and Wildlife Science M.S. concentration
2007 – RSENR Space committee (member)
2007 – RSENR ad hoc Business Practices committee
2004-07 – RSENR Curriculum Committee (member, chair 2007)
2003-2018 – RSENR Diversity Taskforce (reformed as the IDEA Committee in 2019)
2001* – RSENR liaison to Great Lakes-Northern Forest Cooperative Ecosystem Studies Unit

Community

2019-2020 – South Burlington Interim Zoning Open Space Committee (Chair)
2016* – South Burlington Land Trust (Board Member)
2013-2015 – Sustainable Agriculture Committee (subcommittee of S. Burlington Planning Commission, member)
2013* - Annual “pelagic” birding trips on Lake Champlain (1-4/year) for the VT birding community
2003-2019 – Vermont Bird Records Committee (member, co-chair 2008-2014)