

CURRICULUM VITAE

KRYSTEN L. SCHULER

Office: Cornell University
Animal Health Diagnostic Center
240 Farrier Road
Ithaca, NY 14853

Home:

[Google Scholar](#)
[Twitter](#)

Grey highlighted materials
directly reference work on
chronic wasting disease (CWD)

Education:

South Dakota State University, Brookings SD 57007; **Ph.D - Biological Sciences, Area of Study - Wildlife Sciences**, December 2006.

Dissertation: Monitoring for Chronic Wasting Disease: Deer Movements, Density, and Potential Transmission at Wind Cave National Park

Oklahoma State University, Stillwater OK 74078; **M.S. Wildlife and Fisheries Ecology**, May 2002

Thesis: Seasonal Variation in Bison Distribution and Group Behavior in Tallgrass Prairie

University of Notre Dame, Notre Dame IN 46556; **B.S. Biological Sciences**, May 1998

Positions:

Feb.2011-Present Co-Director of the Cornell Wildlife Health Lab, Wildlife Disease Ecologist; Official Title: Senior Research Associate (July 2018 to present), Senior Extension Associate (Mar. 2014-July 2018); Extension Associate (Feb. 2011-Mar. 2013); Faculty in Biology and Biological Sciences - Zoo and Wildlife Conservation Graduate Field; Cornell University, Animal Health Diagnostic Center, Ithaca, NY.

Oct. 2006-Jan.2011 Wildlife Disease Ecologist, Wildlife Epidemiology and Emerging Diseases (formerly Field Investigation Team); U.S. Geological Survey, National Wildlife Health Center, Madison, WI.

Jan.-May 2006 Instructor, Environmental Conservation WL110, South Dakota State University, Brookings, SD

November 2003 Technician, Minnesota Department of Natural Resources, Madelia, MN.

Jan. 2003-Dec. 2005 Volunteer, National Park Service, Wind Cave National Park, Hot Springs, SD

- Aug. 2002-Oct. 2006 Research Assistant, South Dakota State University, Brookings, SD.
- May-Aug. 2002 Field Technician, National Council for Air and Stream Improvement, Hamilton, WA.
- Aug. 1999-May 2002 Teaching Assistant, Oklahoma State University, Stillwater, OK.
- Aug. 1998-July 1999 Research Assistant II, University of Pittsburgh, Pittsburgh, PA.
- Mar. 1997-May 1998 Undergraduate Researcher, University of Notre Dame, Notre Dame, IN.
- Feb. 1997-May 1998 Bartender, University of Notre Dame Alumni-Senior Club, Notre Dame, IN.
- May-Aug. 1997 Summer Service Volunteer, Boys and Girls Club, Hilton Head, SC.
- May-Aug. 1995-96 Summer Intern, Zippo Mfg. Co., Bradford, PA.
- June 1993-Aug. 1994 Life Guard, YMCA, Bradford, PA.

Teaching Experience:

- Apr.2014-Present Senior Research (previously Extension) Associate, Cornell Wildlife Health Lab, Cornell University College of Veterinary Medicine. Independent research projects and student mentoring. Veterinary student diagnostic instruction and rounds. Guest lecturer in Conservation Medicine VETMED 6735. Advisor for student chapter of the Wildlife Disease Association. Guest lecturer in NTRES 4280 Principles and Practice of Applied Wildlife Sciences. Guest lecturer in BIOEE 4500 Mammalogy. Guest lecturer in Animal Genetics ANSC 2210.
- Feb.2011-Mar.2014 Extension Associate, Veterinary Support Services, Cornell University College of Veterinary Medicine. Veterinary student diagnostic instruction and rounds. Guest lecturer in Conservation Medicine VETMED 6735.
- Oct. 2006 – Jan.2011 Clinical Instructor, University of Wisconsin Veterinary School. Lecturer in the Wildlife Disease courses and symposia.
- Oct. 2007 Guest Lecturer on Wildlife Diseases for Wildlife Nutrition and Disease, South Dakota State University, Brookings, SD
- Jan. – May 2006 Instructor for Environmental Conservation WL110, required 3-credit course for non-majors, approximately 400 undergraduates enrolled, lecture with extensive on-line resources and examinations administered through WebCT. South Dakota State University, Brookings, SD. Full-course responsibilities.
- February 2006 Guest Lecturer on Chronic Wasting Disease Sampling for Large Mammal Ecology and Management, under the supervision of Dr. J. Jenks, South Dakota State University, Brookings, SD

- April 2005 Guest Lecturer on Home Range Analysis for Wildlife Research Design, under the supervision of Dr. J. Jenks, South Dakota State University, Brookings, SD
- October 2003, 2005 Guest Lecturer on Chemical Immobilization for Wildlife Management Laboratory, under the supervision of Dr. J. Jenks, South Dakota State University, Brookings, SD.
- Aug.2000-May 2002 Teaching Assistant for Animal Biology Laboratory; under the supervision of Dr. L. Talent, Oklahoma State University, Stillwater, OK.
- June 2000 Substitute Instructor for Introductory Genetics; under the supervision of Dr. R. Van Den Bussche, Oklahoma State University, Stillwater, OK.
- Aug.1999-May 2000 Teaching Assistant for Introductory Biology, Inquiry-Based Laboratory; under the supervision of Dr. D. French, Oklahoma State University, Stillwater, OK.

Research Experience:

- Feb.2011-Present Senior Research Associate, Cornell Wildlife Health Lab; Cornell University, Animal Health Diagnostic Center.
- Collaborate with the New York Department of Environmental Conservation on New York State's Wildlife Health Program, including development and implementation of 5-year strategic plans, diagnostic sample submissions, case tracking, integrating information management systems, disease outbreak response and preparedness, develop surveillance and disease response plans
 - Coordinate NYSDEC CWD surveillance in wild white-tailed deer and moose; oversaw an Interagency CWD Team to produce CWD response and prevention plans; developed a Taxidermy Partnership Program for sample collection and education; created outreach materials; conducted risk assessments and risk perception study of stakeholders.
 - Current research projects include: sarcoptic mange in NY black bears, landscape genetics of white-tailed deer, moose population health, pronghorn disease detection in South Dakota, coyotes as sentinels for black-footed ferret health in South Dakota, *Parelaphostrongylus tenuis* detection and characterization in white-tailed deer and moose, bald eagle population modeling, hellbender experimental vaccination against chytrid fungus.
 - Database task force for AHDC laboratory information management system
 - Partner with the Northeast Wildlife Disease Cooperative agencies: Tufts University, University of Connecticut, and New Hampshire Veterinary Diagnostic Laboratory, University of Maine, & New Jersey Veterinary Diagnostic Lab to develop wildlife health network and training for northeastern states and database services
 - Listserv moderator for NY_fish_wildlife_health; 190 subscribers
 - Interact with agency partners at New York Dept. of Agriculture and Markets, New York State Health Department, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, and others

-Represent Cornell University and New York State at professional meetings, including the Wildlife Disease Association (2016 Host Chairperson) and The Wildlife Society (Wildlife Disease Working Group Chair-Elect)

- Oct. 2006 – Jan. 2011 Wildlife Disease Ecologist, Field Investigation Team, US Geological Survey, National Wildlife Health Center.
- Investigate wildlife disease outbreaks with partnering agencies to provide on-site assistance and training, guidance in sample collection and disposal, disease management actions, media relations, diagnostic results and diagnosis, human safety and animal welfare, and planning future research needs
 - Instructor on all aspects of wildlife diseases including lecture and hands-on necropsy training, sample selection, shipping regulations, personal protective equipment, and diagnostic interpretation
 - Author outreach materials, such as reports, wildlife health bulletins, medical wallet cards, brochures, and press releases
 - Data acquisition, database planning, and interpretation of results with Laboratory Information Management System (LIMS), including queries for ad hoc, quarterly, and web-based reports
 - Principle or co-investigator on the following collaborative projects:
 - investigating mortality in the endangered Western Snowy Plover in the San Diego area; fawn mortality and hair slip syndrome in black-tailed deer on the Makah Indian Reservation, Washington; avian mortality events caused by exotic trematodes in faucet snails in Montana lakes; avian influenza sampling comparison at Sacramento National Wildlife Refuge; and evaluating sea otter mortality in stranded animals in Washington State with U.S. Fish and Wildlife Service
 - White nose syndrome diagnostic working group
 - Field investigation team coordinator multi-agency response to algal surfactant in Washington state seabird mortalities
 - Field investigator and agency collaborator for a grebe die-off at a San Diego drinking water reservoir
 - Supervise technicians and veterinary externs as senior member of the field investigation team
- Aug.2002-Oct. 2006 Research Assistant, under the supervision of Dr. J. Jenks at South Dakota State University, Department of Wildlife and Fisheries Sciences, Brookings, SD.
- Trained in tonsillar biopsy technique for antemortem sampling for chronic wasting disease and implantation of vaginal radiotransmitters
 - Radiotelemetry to track and collect data on VHF and GPS-collared white-tailed and mule deer on foot and from fixed-wing aircraft
 - Developed population survey methods for deer
 - Authored capture plan for Wind Cave National Park
 - Coordinated helicopter capture of white-tailed and mule deer
 - Participated in capture of pronghorn antelope, coyotes, and mountain lions

- Proficient in animal capture methods, computer applications, and statistical methods
 - Skilled in necropsy of wildlife mortalities
 - Proficient in use of GPS and GIS
 - Coordinated disease reporting to state and federal agencies
 - Supervised field technicians on site and remotely
- November 2003 Technician, Chronic Wasting Disease Sampling for Minnesota Hunter-Harvest 2003. under the supervision of B. Haroldson and Dr. C. DePerno, Minnesota Department of Natural Resources, Madelia, MN.
- Interacted with hunters, collected location data, wrote possession tags, and removed deer heads from approved deer
 - Trained in lymph node removal for CWD testing and molar-wear for aging white-tailed deer
- May 2002- Aug.2002 Field Technician, under the supervision of Dr. J. Cook, National Council for Air and Stream Improvement, Hamilton, WA.
- Monitored health of pregnant, tame elk,
 - Assisted with veterinary procedures,
 - Collected data on behavior and foraging, vegetation sampling, and forestry measurements
 - Lived in primitive conditions with study animals under extreme conditions
- November 2001 Technician, under the direction of Dr. J. Shaw and Dr. D. Leslie, Jr., Oklahoma State University, Stillwater, OK.
- Removed and aged lower jaws from white-tailed deer at hunter check stations,
 - Assisted with aging and data collection of hair, tissue, and hoof samples for elk at hunter check stations
- Aug.1999- May 2002 Graduate Researcher, under the supervision of Dr. J. Shaw, Oklahoma State University, Stillwater, OK.
- Conducted research on spatial and temporal patterns of bison distribution and group behavior on an annually burned tallgrass prairie
 - Examined sexual segregation of bison group types
 - Mapped bison locations using GIS
 - Evaluated viewshed techniques for driving route success
 - Supervised undergraduate technicians
- Aug.1998-July 1999 Research Technician II, under the supervision of Dr. R. Schor, University of Pittsburgh, Pittsburgh, PA.
- Localization of vestibular nuclei cells in cat brains using electrode implantation
 - Care of laboratory animals
 - Management of a vestibular balance laboratory
 - Assisted in surgical procedures

Mar. 1997-May 1998 Undergraduate Researcher, under the supervision of Dr. S. Boyd, University of Notre Dame, Notre Dame, IN.
-Isolation of vasotocin and androgen-receptor cells in *Xenopus* frog brains using fluorescent staining by immunocytochemistry

Professional Affiliations Past and Present:

The Wildlife Society (1998-Present)
New York (2011-Present), Wisconsin (2007-2010), and South Dakota State Chapters (2003-2006)
Oklahoma State University Student Chapter of the Wildlife Society (1999-2002)
Wildlife Disease Association (2005-Present)
National Deer Alliance Board Member (2018-Present)
American Society of Mammalogists (1999-2010)
Great Plains Natural Science Society (2004-2007)
George Wright Society (2005)
Sigma Xi Society (2005)
Gamma Sigma Delta Honor Society of Agriculture, South Dakota State University (2004)
Oklahoma Student Chapter of the American Fisheries Society (2001-2002)
National Bison Association (2000-2001)
Oklahoma Academy of Sciences (2000-2002)
The Nature Conservancy (2000-2002)
Oklahoma State University Botanical Society (2000-2002)

Professional Service:

University of Minnesota Center for Infectious Disease Research and Policy
Chronic Wasting Disease Expert Advisory Panel (2019-Present)
Association of Fish & Wildlife Agencies
Chronic Wasting Disease Best Management Practices Task Force (2017-Present)
U.S. Geological Survey – National Wildlife Health Center & Department of Homeland Security – National Biosurveillance Integration Center – Wildlife Health Information Sharing Partnership (WHISPer) Partner-centric Team (2017-Present)
Wildlife Disease Association
Host Committee Chairperson, Wildlife Disease Association International Meeting 2016, www.wda2016.org, Cortland, NY
Membership Committee
Faculty Advisor, Cornell Student Chapter of the WDA
The Wildlife Society
Leadership Institute (2008-Present)
Wildlife Disease Working Group (2005-Present)
Chair-Elect (2017-Present)
Executive Board Member (2011-2015)
Audit Sub-Committee (2007-2016)
South Dakota State Chapter of The Wildlife Society
Wildlife Disease Committee Co-Chair (2006)
Host - The Wildlife Society Southeastern Student Conclave (2001)

University Service:

Bacteriologist Search Committee – Dept. of Population Medicine and Diagnostic Service, Cornell University (2019)

Jay Hyman Endowed Professor of Wildlife Medicine Search Committee – College of Veterinary Medicine, Cornell University (2015-16)

Epidemiology Search Committee – Dept. of Population Medicine and Diagnostic Service, Cornell University (2015-16)

Wildlife Pathology Search Committee Chair - Dept. of Population Medicine and Diagnostic Service, Cornell University (2015)

Epidemiology Search Committee – Dept. of Population Medicine and Diagnostic Service, Cornell University (2014)

Database Taskforce Committee – Animal Health Diagnostic Center, Cornell University (2011)

Oklahoma State Zoology Graduate Student Society – Founder and President (2001-2002)

Grad Student Representative to Faculty Council Graduate Committee (2001-2002)

Graduate and Professional Student Association (1999-2002)

Grants and Contracts (Received and In Review):

1. **Schuler, K.** and K. McComas. “Get the Lead Out:” Alternative Ammunition Can Solve a One Health Conundrum. Atkinson Center for a Sustainable Future Academic Venture Fund. 2 yrs. \$116,682. 2 yrs.
2. Schneider, J., D. Walsh, P. Cross, A. Lomax, J. Pedersen, **K. Schuler**, and J. Jenks. 2019. Chronic wasting disease (5c) – Development or enhancement of CWD diagnostic tools. US Geological Survey – FY19 Emerging Diseases Cyclical Funds. \$114,480, 2 yrs. *In review*.
3. Lejeune, M., E. Bunting, E. Berliner, L. Goodman, **K. Schuler**, and D. Bowman. 2018. Determining the sylvatic range of Feline Cytauxzoonosis in NE United States. Cornell Feline Health Center, \$17,925, 1 yr.
4. **Schuler, K. L.**, K. Bischoff, B. Bodenstein, J. Brown, E. Bunting, M. Forzan, S. Gibbs, K. Hynes, M. Pokras, and D. Winn. 2018. Northeast regional meta-analysis of lead toxicosis impacts on bald eagles (*Haliaeetus leucocephalus*). Morris Animal Foundation, \$105,043, 2 yrs.
5. **Schuler, K.** 2017. CWD Risk Assessment and Surveillance Plan. Tennessee Wildlife Resource Agency. \$28,200; 1 yr. 2017-P001-84457.
6. **Schuler, K. L.** and A. Fuller. 2017. Parasitic Threats to Moose on the Adirondacks Landscape. Cornell College of Veterinary Medicine Research in Animal Health. \$44,373; 1 yr. USDA, National Institute of Food and Agriculture, Animal Health and Disease Research Program, 2018-36100-03618.

7. **Schuler, K. L.** and A. Fuller. 2016. Assessing Parasitic Threats to Moose in the Adirondack Region of New York. Atkinson Center for a Sustainable Future. \$8,900; 1 yr.
8. Bunting, E. M. and **K. L. Schuler**. 2016. New York State Wildlife Health Program Years 6-10. New York Department of Environmental Conservation. \$4,794,839; 5 yrs.
9. **Schuler, K. L.**, R. W. Gerhold, S. Kania, and J. C. Ellis. 2015. Development of a live animal serological ELISA assay for detection and surveillance of *Parelaphostrongylus tenuis* in cervids. Northeast Wildlife Disease Cooperative, \$24,685; 1 yr.
10. Bunting, E. M., A. Glaser, and **K. L. Schuler**. 2014. Evaluation of the impact of chytridiomycosis fungal infection on survival success of captive reared and released Eastern Hellbenders (*Cryptobranchus alleganiensis*). 2014/15 Research Grants Program in Animal Health, Cornell University. \$36,198; 1 yr.
11. Bunting, E. M., A. Glaser, and **K. L. Schuler**. 2014. Critical assessment of captive rear and release program for Eastern Hellbenders. Atkinson Center for a Sustainable Future Rapid Response Fund. \$26,950; 1 yr.
12. **K. L. Schuler** and N. J. Thomas. 2010. Serological survey of northern sea otters for infectious diseases in Washington State. U.S. Fish and Wildlife Service. \$15,845; 2 yrs.
13. Lynch, D., N. J. Thomas, and **K. L. Schuler**. 2010. Cause of death determination for beach-cast sea otters from Washington State. U.S. Fish and Wildlife Service. \$8,760; 1 yr.
14. Cornish, T., T. Kreeger, B. Richards, M. Kauffman, J. Binfet, D. Heisey, and **K. Schuler**. 2009. Population-level impacts of chronic wasting disease in Wyoming mule deer. U.S. Geological Survey. \$191,465; 1st of three years.
15. **Schuler, K. L.** and V. S. Boschler. 2009. Sources of mortality in Black-tailed deer on the Makah Indian Reservation. U.S. Geological Survey. \$5,000; 1 yr.
16. Lynch, D., N. J. Thomas, and **K. L. Schuler**. 2008. Cause of death determination for beach-cast sea otters from Washington State. Marine Mammal Society to U.S. Fish and Wildlife Service and U.S. Geological Survey – National Wildlife Health Center. \$8,760; 2 yrs.
17. **Schuler, K. L.**, J. A. Jenks, and D. Roddy. 2004. Monitoring for Chronic Wasting Disease: development of a helicopter sightability survey for deer population estimation, U.S. Geological Survey to South Dakota State University. \$27,000; 1 yr.
18. **Schuler, K. L.**, J. A. Jenks, and D. Roddy. 2003. Monitoring for Chronic Wasting Disease: deer movements, density, and potential transmission in Wind Cave National Park, U.S. Geological Survey to South Dakota State University. \$32,246; 1 yr.
19. **Schuler, K. L.**, J. A. Jenks, and D. Roddy. 2003. Aerial monitoring and helicopter capture of collared deer in Wind Cave National Park, National Park Service to South Dakota State University. \$37,000; 1 yr.

20. Shaw, J. H., **K. L. Schuler**, and E. J. Maichak. 2000. Spatial and temporal distribution and seasonal behavior patterns of bison in tallgrass prairie, The Nature Conservancy to Oklahoma State University. \$9,800; 1 yr.

Refereed Publications:

1. Hanley, B., E. Bunting, and **K. Schuler**. 2019. How can we augment the few that remain? Using stable population dynamics to aid reintroduction planning. *Peer J* 7:e6873 [DOI:10.7717/peerj.6873](https://doi.org/10.7717/peerj.6873)
2. Needle, D., V. Burnell, M. Forzan, E. Dubovi, **K. Schuler**, C. Bernier, N. Hollingshead, J. Ellis, B. Stevens, P. Tate, E. Anis, and R. Wilkes. 2019. Infection of eight mesocarnivores in New Hampshire and Vermont with a divergent clade of canine distemper in 2016-2017. *Journal of Wildlife Diseases*. [DOI: 10.1177/1040638719847510](https://doi.org/10.1177/1040638719847510).
3. Forzán, M., R. Renshaw, E. Bunting, E. Buckles, J. Okoniewski, K. Hynes, R. Melendez, A. Ableman, M. Laverack, M. Fadden, A. Dastjerdi, **K. Schuler**, and E. Dubovi. 2019. Novel orthoreovirus associated with epizootic necrotizing enteritis and splenic necrosis in American crows, *Corvus brachyrhynchos*. *Journal of Wildlife Diseases*. In press.
4. Song, H. K. McComas, and **K. Schuler**. 2018. Hunters' responses to urine-based scent bans tackling chronic wasting disease. *The Journal of Wildlife Management* 83(2):457-466. [DOI: 10.1002/jwmg.21593](https://doi.org/10.1002/jwmg.21593)
5. Song, H., K. McComas, and **K. Schuler**. 2018. Source effects on psychological reactance to regulatory policies: the role of trust and similarity. *Science Communications* 40(5):591-620. [DOI: 10.1177/1075547018791293](https://doi.org/10.1177/1075547018791293)
6. Sasmal, I., N. P. Gould, **K. L. Schuler**, Y. F. Chang, A. Thachil, J. Strules, C. Olfenbottle, S. Datta, and C. S. DePerno. 2018. Presence of leptospirosis in urban/suburban American black bears in western North Carolina. *The Journal of Wildlife Diseases* 55(1):74-83. [DOI:10.7589/2017-10-263](https://doi.org/10.7589/2017-10-263)
7. **Schuler, K. L.**, J. A. Jenks, R. W. Klaver, and R. T. Bowyer. 2018. Chronic wasting disease detection and mortality sources in a semi-protected deer population. *Wildlife Biology*. [DOI: 10.2981/wlb.00437](https://doi.org/10.2981/wlb.00437)
8. **Schuler, K. L.**, B. C. Brewer, K. A. Mayer, C. Perez-Heydrich, P. M. Holahan, N. J. Thomas, and C. L. White. 2018. Redefining aging criteria for northern sea otters in Washington State. *The Journal of Fish and Wildlife Management* 9(1):208–221; e1944-687X. [DOI:10.3996/052017-JFWM-040](https://doi.org/10.3996/052017-JFWM-040)
9. C. L. White, E. W. Lankau, D. Lynch, S. Knowles, **K. L. Schuler**, J. P. Dubey, V. I Shearn-Bochsler, M. Isidoro-Ayza, N. J. Thomas. 2018. Mortality trends in the Washington population of northern sea otters (*Enhydra lutris kenyonii*) during 2002-2017. *The Journal of Wildlife Diseases* 54(2):238-247. [DOI:10.7589/2017-05-122](https://doi.org/10.7589/2017-05-122).

10. Peltier, S.K., J.D. Brown, M. Ternent, K.D. Niederinghaus, **K. L. Schuler**, E.M. Bunting, M. Kirchgessner, and M.J. Yabsley. 2017. Genetic Characterization of *Sarcoptes scabiei* from Black Bears (*Ursus americanus*) and Other Hosts in the Eastern United States. *The Journal of Parasitology* 103(5):593-597. [DOI:10.1645/17-26](https://doi.org/10.1645/17-26)
11. Alger, K., E. Bunting, **K. Schuler**, and C. Whipps. 2017. Risk factors and spatial distribution for lymphoproliferative disease virus (LPDV) in wild turkeys of New York State. *The Journal of Wildlife Diseases*. 53(3):499-508. [DOI:10.7589/2016-06-137](https://doi.org/10.7589/2016-06-137)
12. Decker, D., **K.L. Schuler**, M.A. Wild, and A. Forstchen. 2016. Wildlife health and public trust responsibilities for wildlife resources. *The Journal of Wildlife Diseases* 52:775-784. [DOI: 10.7589/2016-03-066](https://doi.org/10.7589/2016-03-066)
13. Lorch, J., S. Knowles, J. Lankton, K. Michell, J. Edwards, J. Kapfer, R. Staffen, E. Wild, K. Schmidt, A. Ballmann, D. Blodgett, T. Farrell, B. Glorioso, L. Last, S. Price, **K. Schuler**, C. Smith, J. Wellehan, Jr., D. Blehert. 2016. Snake Fungal Disease: An Emerging Threat to Wild Snakes. Submitted by invitation to *Philosophical Transactions B*. 371(1709). [DOI:10.1098/rstb.2015.0457](https://doi.org/10.1098/rstb.2015.0457)
14. Justice-Allen, A., K. Orr, T. G. Schwan, **K. Schuler**, C. Meteyer, K. McCarty, and K. Jacobson. 2016. Bald eagle nestling mortality due to tick parasitism and successful management with nest replacement. *The Journal of Wildlife Diseases* 52:940-944. [DOI: 10.7589/2015-10-271](https://doi.org/10.7589/2015-10-271)
15. **Schuler, K. L.**, A. M. Wetterau, E. M. Bunting, and H. Mohammed. 2016. Exploring chronic wasting disease risk perception between wildlife and agriculture. *Wildlife Society Bulletin* 40(1):32–40; 2016; [DOI: 10.1002/wsb.625](https://doi.org/10.1002/wsb.625)
16. Decker, D., C. Smith, A. Forstchen, D. Hare, E. Pomeranz, C. Doyle-Capitman, **K. Schuler**, and J. Organ. 2016. Governance principles to guide wildlife conservation in the 21st Century. *Conservation Letters*. [DOI: 10.1111/conl.12211](https://doi.org/10.1111/conl.12211)
17. Alger, K., E. Bunting, **K. Schuler**, J. Jagne, and C. Whipps. 2015. Diagnosing lymphoproliferative disease virus in live wild turkeys (*Meleagris gallapavo*) using whole blood. *Journal of Zoo and Wildlife Medicine* 46:806-814. [DOI: 10.1638/2015-0037.1](https://doi.org/10.1638/2015-0037.1)
18. Evans, T. S., **K. L. Schuler**, and W. D. Walter. 2014. Surveillance and monitoring of white-tailed deer for chronic wasting disease in the northeastern United States. *Journal of Fish and Wildlife Management* 5(2): fwma-05-02-07.3d. [DOI:10.3996/032014-JFWM-021](https://doi.org/10.3996/032014-JFWM-021)
19. **Schuler, K. L.** , G. Schroeder, J. A. Jenks, and J. G. Kie. 2014. Ad-hoc smoothing parameter performance in kernel estimates of GPS-derived home ranges. *Wildlife Biology* 20(5):259-266. [DOI:10.2981/wlb.12117](https://doi.org/10.2981/wlb.12117)
20. White, C. L., **K. L. Schuler**, N. Thomas, J. Webb. 2013. Pathogen exposure and blood chemistry in the Washington State population of northern sea otters. *Journal of Wildlife Diseases*. 49(4):887-899. [DOI: 10.7589/2013-03-053](https://doi.org/10.7589/2013-03-053)

21. Bildfell, R. J., W. K. Rumbelha, **K. L. Schuler**, C. U. Meteyer, P. L. Wolff, and C. M. Gillin. 2013. A review of zinc phosphide toxicosis in wild geese (*Branta spp.*) in Oregon (2004-2011). *Journal of Veterinary Diagnostic Investigation* 25: 162-167.
[DOI:10.1177/1040638712472499](https://doi.org/10.1177/1040638712472499)
22. **Schuler, K. L.** D. E. Green, A. E. Justice-Allen, R. Jaffe, M. Cunningham, N. J. Thomas, M. G. Spaulding, and H. S. Ip. 2012. Expansion of an exotic species and concomitant disease outbreaks: pigeon paramyxovirus in free-ranging Eurasian collared doves. *EcoHealth*. DOI: 10.1007/s10393-012-0758-6.
23. Burco, J., A. M. Myers, **K. L. Schuler**, and C. Gillin. 2012. Acute lead toxicosis via ingestion of spent ammunition in a free-ranging cougar (*Puma concolor*). *The Journal of Wildlife Diseases* 48(1):216-210.
24. Russell, D. M., **C. S. Goldberg**, L. Sprague, L. P. Waits, D. E. Green, **K. L. Schuler**, E. B. Rosenblum. 2011. Ranavirus outbreaks in amphibian populations of northern Idaho. *Herpetological Review* 42:223-225.
25. **Schuler, K. L.**, D. M. Leslie, Jr., J. H. Shaw, and E. J. Maichak. 2006. Temporal-spatial distribution of bison (*Bos bison*) in a tallgrass prairie fire mosaic. *Journal of Mammalogy* 87(3):539-544.
26. **Schuler, K. L.**, J. A. Jenks, C. S. DePerno, M. A. Wild, and C. S. Swanson. 2005. Tonsillar biopsy testing for chronic wasting disease: two approaches in deer. *The Journal of Wildlife Diseases* 41(4):820-824.
27. Maichak, E. J. and **K. L. Schuler**. 2004. Applicability of viewshed analysis to wildlife population estimation. *American Midland Naturalist* 152(2):277-285.
28. Maichak, E. J., **K. L. Schuler**, and M. E. Payton. 2004. Daily and seasonal behavior of bison on an Oklahoma tallgrass prairie. *Prairie Naturalist* 36(2):103-118.

In Submission:

Hanley, B., B. Dennis, D. Kramer, and **K. Schuler**. Combinatorial algorithm for obtaining growth rates from adult timeseries data for a 3-stage population matrix model. *Ecological Applications*.

In Preparation:

Hanley, B., A. Dhondt, D. Heylen, and *K. Schuler*. Estimating growth rates from adult time series data for bald eagle. To be submitted to *The Journal of Applied Ecology*.

K. L. Schuler, K. Hynes, J. Okoniewski, N. Dean, J. Hurst, and P. Martin. Wanted Dead or Alive: Moose Health in the Adirondacks of New York. To be submitted to *The Journal of Wildlife Diseases*.

K. L. Schuler, A. Kirsch, S. Heerkens, N. Hollingshead, K. Hynes, P. Martin, G. Merrill, E. Bunting, and H. Mohammed. Practical Application of Weighted Risk Factors for Wildlife Disease Surveillance. To be submitted to *Transboundary and Emerging Diseases*.

Z. Rojas-Sereno, K. Hynes, E. Bunting, J. Hurst, S. Heerkens, N. Hollingshead, P. Martin, and **K. L. Schuler**. Incidence of sarcoptic mange in New York State black bears. To be submitted to *The Journal of Wildlife Diseases*.

Thomas, N. J., J. T. Saliki, J. W. Davis, **K. L. Schuler**, D. Lynch, J. P. Dubey, R. J. Jameson, and S. J. Jefferies. Canine distemper virus in the Washington State sea otter population. To be submitted to *The Journal of Wildlife Diseases*.

Zhu, S., E. Buckles, E. Bunting, K. Hynes, and **K. Schuler**. A predictive utility of causes of morbidity and mortality in white-tailed deer (*Odocoileus virginianus*). To be submitted to *The Wildlife Society Bulletin*.

Data Products:

Hanley, B., Dhondt, A. A., Dennis, B. & **Schuler, K.** 2019. EaglePOPd Web Interactive: Software to investigate the demography of Bald Eagles in the Northeast, USA from 1990-2018 [Software]. Cornell University Library eCommons Repository.
doi: <https://doi.org/10.7298/q4m1-se95>

Other Publications and Popular Articles:

1. Gillin, C. and J. Mawdsley, Eds. 2018. AFWA Technical Report on Best Management Practices for Prevention, Surveillance, and Management of Chronic Wasting Disease. Association of Fish and Wildlife Agencies, Washington, D. C. 111 pp. Contributor to Cervid Urine Products Related to the Introduction of Prions to the Environment and Surveillance Strategies in CWD-Negative State and Provinces or Populations.
https://www.fishwildlife.org/application/files/9615/3729/1513/AFWA_Technical_Report_on_CWD_BMPs_FINAL.pdf
2. **Schuler, K.L.** 2017. How farmers can keep New York CWD free! To be published in the New York Farm Bureau monthly newspaper, Grassroots. *Pending*.
3. McNamara, T.S., R.G. MacLean, E.K. Saito, P.L. Wolff, C.M. Gillin, J.R. Fisher, J.C. Ellis, R. French, P.P. Martin, **K.L. Schuler**, D. McRuer, E.E. Clark, M.K. Hines, C. Marsh, V. Szweczyk, K. Sladky, L. Yon, D. Hannant, and W.F. Siemer. 2014. Surveillance of Wildlife Diseases: Lessons from the West Nile Virus Outbreak. Pages 237-254 in One Health: People, Animals, and the Environment. Atlas, R.M. and S. Maloy, Eds. ASM Press, Washington, DC. 318 pp.
4. **Schuler, K.L.** 2014. Chronic wasting disease: Basics for New York veterinarians. Connections: magazine of the New York State Veterinary Medical Society. Issue 14.04 Sept/Oct.
5. **Schuler, K.L.** New York State Conservationist October 2013. Wildlife Health Corner: A Look at Chronic Wasting Disease. Vol. 68(2)

6. **Schuler, K.L.** New York State Conservationist December 2013. Wildlife Health Corner: A Look at DEC's Wildlife Health Program. Vol. 68(3).
7. **Schuler, K.L.** Full Draw: newsletter of the New York Bowhunters. October 2013. "How Bowhunters Can Stop a Deer Killer."
8. Hofmeister, E., K. Wesenberg, R. Abbott, T. Work, **K. Schuler**, and J. Sleeman. 2009. Current and future impacts of a changing climate on wildlife health: direct and indirect effects. U.S. Geological Survey white paper and fact sheet.
9. **Schuler, K.L.**, M. D. Jankowski, A. E. Ballmann, C. L. White, and T. Work. 2007-2011. Quarterly Wildlife Mortality Report. Supplement to the *Journal of Wildlife Diseases*

Peer Reviews Conducted for:

Science Reports
 Emerging Infectious Diseases
 EcoHealth
 Plos ONE
 Journal of Wildlife Management
 Journal of Mammalogy
 Journal of Wildlife Diseases
 Journal of Zoo and Wildlife Medicine
 The Canadian Veterinary Journal
 Wildlife Society Bulletin
 Veterinary Pathology
 Veterinary Parasitology
 Nature Communications
 Wildlife Biology
 Journal of Veterinary Diagnostic Investigation
 National Science Foundation – Long Term Ecological Research Program

Invited Presentations:

- 2019 **Schuler, K.** and M. Carstensen. The latest on chronic wasting disease and implications for moose populations. North American Moose Conference, Sugarloaf, ME.
- 2019 **Schuler, K.** Chronic wasting disease: the essential information. Camp-Fire Conservation Fund, Chappaqua, NY.
- 2019 **Schuler, K.** Wildlife health in New York State. University of Albany, Albany, NY.
- 2018 **Schuler, K.** Chronic wasting disease: More than just a "deer disease." Theodore Roosevelt Conservation Partnership, New York City, NY.
- 2018 **Schuler, K.**, J. Fischer, J. Mawdsley, and M. Dunfee. Chronic wasting disease 101: The most up-to-date science on what it is, where it is, and where it's headed. Theodore Roosevelt Conservation Partnership Western Media Summit, Bozeman, MT.

- 2017 **Schuler, K.L.** Taking the piss out of CWD. Northeast Wildlife Agencies Administrators' meeting, Blue Mountain Lake, NY.
- 2017 **Schuler, K.,** M. Wood, K. Straka, D. Rowledge, and J. Fischer. What we know about chronic wasting disease. Panel discussion, National Deer Summit, Austin, TX.
- 2017 **Schuler, K. L.** Chronic wasting disease: current science and policy decisions. New York Farm Bureau, Albany, NY.
- 2016 **Schuler, K. L.** A look into wildlife health in NY. New York State Conservation Council, Utica, NY.
- 2016 **Schuler, K. L.** What's happening in wildlife health? New York State Dept. of Environmental Conservation Fish & Wildlife Management Board, Hamilton, NY.
- 2016 **Schuler, K. L.** What do New York bowhunters need to know about CWD now? New York Bowhunters Board meeting, LaFayette, NY.
- 2015 **Schuler, K. L.,** A. M. Wetterau, E. M. Bunting, and H. O. Mohammed. Exploring the divide in chronic wasting disease risk perception between wildlife and agriculture. Paper presentation, The U.S. Animal Health Association, Providence, RI. (Abstract published)
- 2015 **Schuler, K. L.** Chronic Wasting Disease Update and Interagency Prevention Plan Actions. New York State Dept. of Environmental Conservation Fish and Wildlife Management Advisory Board, Mexico, NY.
- 2015 **Schuler, K. L.** HPAI in North American Wild Birds and New York Wildlife Health. New York City Animal Working Group, New York City, NY.
- 2015 **Schuler, K. L.** "HPAI in North American Wild Birds". New York State Avian Health Advisory Committee, Ithaca, NY.
- 2013 **Schuler, K. L.,** K. Brown, and J. Ellis. Capturing wildlife health diagnostic information. Symposium: Online database infrastructures in animal ecology: a cloud-based method for data management and sharing of animal-derived sensor data. The Wildlife Society, Milwaukee, WI. (Abstract published)
- 2013 **Schuler, K. L.** Wildlife/Livestock Interface. Paper presentation, Northeast U.S. Animal Health Association, Buffalo, NY.
- 2013 **Schuler, K. L.** Building Wildlife Health: New York State's Collaborative Approach. Paper presentation and special session organizer, Northeast Association of Fish and Wildlife Agencies, Saratoga Springs, NY.
- 2009 **Schuler, K. L.** National Concerns for Emerging Wildlife Diseases and Zoonotic Threats. Paper session, Oregon Chapter of The Wildlife Society, Salishan, OR.

- 2008 **Schuler, K. L.** and C. L. Higgins. Fieldwork and wildlife diseases: concerns for both human and wildlife health. Paper session, American Society of Mammalogists, Brookings, SD.
- 2007 **Schuler, K. L.** Wildlife diseases of furbearers. Purdue University's Trapper College; Wolcottville, IN.
- 2007 **Schuler, K. L.** Organizer. Two-day workshop on the following topics: chronic wasting disease; diseases of mammals, birds, and amphibians; personal protective equipment; collection and shipment of specimens; and disease ecology. Invited by the National Park Service, Yellowstone National Park; Mammoth Springs, MT.
- 2007 **Schuler, K. L.** Monitoring for chronic wasting disease: testing, surveillance, and detection. Presented to the University of Wisconsin's Chronic Wasting Disease working group; Madison, WI.
- 2004 **Schuler, K. L.** Chronic Wasting Disease in Wind Cave National Park: Investigating and Emerging Epidemic Using Tonsillar Biopsy. University of Missouri, Columbia, Wildlife and Fisheries Sciences Department Friday Seminar Series, Columbia, MO.
- 2004 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Investigating chronic wasting disease at Wind Cave National Park using tonsillar biopsy. Annual Meeting Wyoming Chapter of The Wildlife Society, Dubois, WY.

Presentations at Professional Meetings:

- 2019 **Schuler, K.**, K. Hynes, S. Tabor, N. Dean, N. Schoch, E. Dubovi, E. Behling-Kelly, and J. Hurst. New York's Adirondack moose population health metrics. North American Moose Conference, Sugarloaf, ME.
- 2019 Richards, J., A. Wilson, S. Kania, J. Ellis, **K. Schuler**, R. Gerhold. Development of a serological diagnostic assay for *Parelaphostrongylus tenuis*. Northeast Association of Fish and Wildlife Agencies. Mystic, CT.
- 2019 Kretzler, H., W. Siemer, T. B. Lauber, K. McComas, M. Verant, **K. Schuler**, and C. Herzog. Predictors of Bat Conservation Intentions: Implications for Communicators. Pathways: Human Dimensions of Wildlife. Fort Collins, CO.
- 2019 Kelly, J., **K. Schuler**, N. Hollingshead, R. Applegate, and C. Yoest. Risk-based surveillance for chronic wasting disease in Tennessee...it worked. Southeast Deer Study Group, Louisville, KY.
- 2018 Song, H., K. McComas, and **K. Schuler**. Hunters' responses to urine-based scent bans tackling chronic wasting disease. The Wildlife Society, Cleveland, OH. (Abstract published)
- 2018 **Schuler, K.**, K. Hynes, S. Tabor, N. Dean, N. Schoch, E. Dubovi, E. Behling-Kelly, and J. Hurst. Wanted dead or alive: moose health in New York State. Wildlife Disease Association, St. Augustine, FL. (Abstract published)

- 2018 Zhu, S., E. Buckles, K. Hynes, E. Bunting, and **K. Schuler**. Causes of mortality in New York State white-tailed deer and predictive utility for clinicians. Wildlife Disease Association, St. Augustine, FL. (Abstract published)
- 2017 Song, H., K. McComas, and **K. Schuler**. The role of similarity and trust in psychological reactance against public policy. Society for Risk Analysis, Arlington, VA. Best student poster.
- 2017 **Schuler, K.** Once bitten, twice shy: New York's risk-based approach to chronic wasting disease. Paper presentation, Southeast Deer Study Group, St. Louis, MO.
- 2016 **Schuler, K.,** D. Decker, A. Forstchen, M. Wild, and W. Siemer. Wildlife health and public trust responsibilities for wildlife resources. Paper presentation, The Wildlife Society, Raleigh, NC. (Abstract published)
- 2016 Decker, D., **K. Schuler,** A. Forstchen, M. Wild, and W. Siemer. Wildlife health and public trust responsibilities for wildlife resources. Paper presentation, Wildlife Disease Association, Cortland, NY (Abstract published)
- 2016 Alger, K., E. Bunting, **K. Schuler,** and C. Whipps. Epidemiology and genetic analysis of lymphoproliferative disease virus (LPDV) of wild turkeys (*Meleagris gallapavo*) in New York. Paper presentation, Wildlife Disease Association, Cortland, NY (Abstract published)
- 2016 Dean, N., R. Ossiboff, E. Bunting, and **K. Schuler**. The eastern hellbender and *Batrachochytrium dendrobatidis* (Bd) in western New York. Paper presentation, Wildlife Disease Association, Cortland, NY. (Abstract published)
- 2016 Wetterau, A., **K. Schuler,** E. Bunting, and H. Mohammed. Exploring perceptions about chronic wasting disease risks among wildlife and agriculture professionals and stakeholders. Paper presentation, Wildlife Disease Association, Cortland, NY. (Abstract published)
- 2016 Ellis, J., W. Cottrell, N. Robinson, R. Burns, **K. Schuler,** I. Sidor, A. Lichtenwalner, A. Leone, S. Swist, A. Patil, L. Murphy. The Northeast Wildlife Disease Cooperative. Paper presentation, Wildlife Disease Association, Cortland, NY. (Abstract published)
- 2015 Frair, J. L., **K. L. Schuler,** P. Schuette, B. Tabor, and E. Reed. Status of Adirondack moose: early returns from aerial surveys and animal captures. Paper presentation, The Wildlife Society, Winnipeg, Manitoba, CAN. (Abstract published)
- 2015 Alger, K., E. Bunting, E., **K. Schuler,** and C. Whipps. Epidemiology and Genetic Analysis of Lymphoproliferative Disease Virus (LPDV) in New York State. Paper presentation, The Wildlife Society, Winnipeg, Manitoba, CAN. (Abstract published)
- 2015 **Schuler, K. L.,** N. Dean, B. Tabor, H. Priest, N. Schoch, E. Dubovi, A. Glaser, J. Brown, P. Schuette, and K. Hynes. Intensive health screening of moose at the edge of their range. Poster presentation, Wildlife Disease Association, Maroochydore, AUS. (Abstract published)

- 2014 **Schuler, K. L.**, A. M. Wetterau, E. M. Bunting, and H. O. Mohammed. Exploring the divide in chronic wasting disease risk perception between wildlife and agriculture. Paper presentation, The Wildlife Society, Pittsburgh, PA. (Abstract published)
- 2014 Alger, K. E. M. Bunting, **K. L. Schuler**, and C. M. Whipps. Diagnosing lymphoproliferative disease virus (LPDV) in wild turkeys (*Meleagris gallapavo*). Poster presentation, The Wildlife Society, Pittsburgh, PA. (Abstract published)
- 2014 **Schuler, K. L.**, A. Kirsch, S. Heerkens, N. Hollingshead, A. Martin, E. Bunting, K. Hynes, and P. Martin. Chronic Wasting Disease Surveillance in New York State using Weighted Risk Factor Analysis. Paper presentation, Northeast Association of Fish and Wildlife Agencies, Portland, ME.
- 2013 **Schuler, K. L.**, A. Kirsch, S. Heerkens. Field survey of risk factors for chronic wasting disease surveillance. Paper presentation, Wildlife Disease Association, Knoxville, TN. (Abstract published)
- 2012 **Schuler, K. L.**, E. M. Bunting, P. P. Martin, B. Akey, K. Hynes, B. L. Swift, J. Fraine, W. F. Siemer, and S. S. Hurst. Building wildlife health: New York State's Collaborative Approach. Poster presentation, The Wildlife Society, Portland, OR. (Abstract published)
- 2011 Burco, J., A. M. Myers, **K. L. Schuler**, and C. Gillin. 2011. Acute lead toxicosis via ingestion of spent ammunition in a free-ranging cougar (*Puma concolor*). Poster presentation, Wildlife Disease Association, Quebec, Canada. (Abstract published)
- 2010 Ballmann, A. E., D. S. Blehert, C. U. Meteyer, and **K. L. Schuler**. Understanding white-nose syndrome in cave bats in North America. Paper session, The Wildlife Society, Snowbird, UT. (Abstract published)
- 2010 **Schuler, K. L.**, N. J. Thomas, and D. S. Lynch. Northern sea otter (*Enhydra lutris kenyoni*) mortalities in Washington State: Investigations of stranding mortalities. Paper session, Wildlife Disease Association, Puerto Iguazú, Argentina. (Abstract published)
- 2010 **Schuler, K. L.**, N. J. Thomas, and D. S. Lynch. Investigation of mortalities of beach-cast northern sea otters in Washington State. Poster session, National Marine Mammal Stranding Conference, Sheperdstown, WV.
- 2010 Hofmeister, E., K. Wesenberg, R. Abbott, T. Work, **K. Schuler**, and J. Sleeman. Current and future impacts of a changing climate on wildlife health: direct and indirect effects. US Geological Survey conference on Climate Change, Denver, CO.
- 2009 **Schuler, K. L.**, N. J. Thomas, and D. S. Lynch. Investigation of mortalities of beach-cast northern sea otters in Washington State. Paper session, The Wildlife Society, Monterey, CA. (Abstract published)
- 2009 Thomas, N. J., J. J. T. Saliki, J. W. Davis, D. Lynch, R. J. Jameson, S. Jefferies, J. P. Dubey, and **K. L. Schuler**. Evidence of Morbillivirus Infection in Sea Otters in Washington State. Paper session, Wildlife Disease Association, Blaine, WA. (Abstract published)

- 2009 Cole, R. A., **K. L. Schuler**, R. Jaffe, and J. Hansen. Examination of *Bithynia tentaculata* (Class: Gastropoda) collected from Rattlesnake Reservoir and Georgetown Lake, Montana for *Sphaeridiotrema globulus* & *Cyathocotyle busshiensis* (Class: Trematoda). Paper session, American Society of Parasitologists, Knoxville, TN. (Abstract published)
- 2008 Gerhold, R., M. Yabsley, **K. Schuler**, D. Green, M. Sterner, and E. Butler. Coccidiosis epornitic in Lesser scaup on a North Dakota lake. Paper session, Wildlife Disease Association, Edmonton, Alberta. (Abstract published)
- 2006 **Schuler, K. L.** J. A. Jenks, R. W. Klaver, and R. T. Bowyer. Assessing the importance of chronic wasting disease in free-ranging deer. Paper session, Wildlife Disease Association, Storrs, CT. (Abstract published)
- 2006 **Schuler, K. L.** J. A. Jenks, R. W. Klaver, and R. T. Bowyer. Mortality associated with Chronic wasting disease in free-ranging deer in South Dakota: a multi-state model approach. Paper session, Central Mountains and Plains section of The Wildlife Society, Laramie, WY.
- 2006 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Evaluating potential transmission of chronic wasting disease in deer: does home range overlap predict contact rates? Paper session, South Dakota Chapter Meeting of The Wildlife Society, Chamberlain, SD.
- 2005 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Investigating chronic wasting disease at Wind Cave National Park using tonsillar biopsy. Paper session, George Wright Society Biennial Meeting, Philadelphia, PA.
- 2005 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Investigating chronic wasting disease at Wind Cave National Park using tonsillar biopsy. Paper session, South Dakota Chapter Meeting of The Wildlife Society, Chamberlain, SD.
- 2005 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Examination of contact rates for potential transmission of chronic wasting disease in wild deer. Poster session, 2nd International Chronic Wasting Disease Symposium, Madison, WI. (Abstract published)
- 2005 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Contact rates and home range overlap for potential transmission of chronic wasting disease in deer. Paper session, 12th Annual Meeting of The Wildlife Society, Madison, WI. (Abstract published)
- 2005 **Schuler, K. L.** J. A. Jenks, and D. E. Roddy. Contact rates and home range overlap for potential transmission of chronic wasting disease in deer. Paper session, 85th Annual Meeting of the American Society of Mammalogists, Springfield, MO. (Abstract published)
- 2004 **Schuler, K. L.**, J. A. Jenks, and D. E. Roddy. Home range estimation from GPS collars on mule deer: How many points are enough? Poster Session, 11th Annual Meeting of The Wildlife Society, Calgary, Alberta, Canada. (Abstract published)
- 2004 **Schuler, K. L.**, J. A. Jenks, and D. E. Roddy. Home range estimation from GPS collars: How many points are enough? Poster Session, 84th Annual Meeting of the American Society of Mammalogists, Humboldt, CA. (Abstract published)

- 2003 **Schuler, K. L.**, M. W. Palmer, J. H. Shaw, and E. J. Maichak. Group behavior and sexual segregation of bison on southern tallgrass prairie. Paper session, 10th Annual Meeting of The Wildlife Society, Burlington, VT. (Abstract published)
- 2003 Maichak, E. J. and **K. L. Schuler**. Applicability of viewshed analysis to population estimation. Poster session, 10th Annual Meeting of The Wildlife Society, Burlington, VT. (Abstract published)
- 2002 **Schuler, K. L.**, J. H. Shaw, and E. J. Maichak. A redundancy analysis of bison group behavior on Oklahoma tallgrass prairie. 13th Annual Meeting Oklahoma State University Research Symposium, Stillwater, OK.
2001. Maichak, E. J. and **K. L. Schuler**. Seasonal and daily movements and locomotory energy differences among bison on Oklahoma tallgrass prairie. Annual Meeting of the Oklahoma Academy of Sciences, Lawton, OK.
- 2001 **Schuler, K. L.**, J. H. Shaw, and R. H. Hamilton. Spatial distribution of bison on the tallgrass prairie. Poster session, 81st Annual Meeting of the American Society of Mammalogists, Missoula, MT. (Abstract published)
- 2001 **Schuler, K. L.**, E. J. Maichak, and J. H. Shaw. Temporal and spatial distribution of bison on tallgrass prairie. Annual Meeting of the Oklahoma Academy of Sciences, Lawton, OK.
- 2001 **Schuler, K. L.** and J. H. Shaw. Temporal and spatial distribution of an expanding population of bison on tallgrass prairie. Poster session, 8th Annual Meeting of The Wildlife Society, Reno, NV. (Abstract published)
- 2001 **Schuler, K. L.** and J. H. Shaw. Spatial and temporal distribution of bison on tallgrass prairie. 1st Annual Meeting of The Changing Ecology of Oklahoma, Joint Meeting of the Oklahoma Chapters of The Wildlife Society, Society for Range Management, Ornithological Society, and Native Plant Society, Stillwater, OK.
- 2001 **Schuler, K. L.** Bison (*Bison bison*) group behavior on Oklahoma tallgrass prairie: a multivariate ordination approach. 4th Annual Multivariate Ordination Symposium, Stillwater, OK.

Events Organized:

- 2019 **Schuler, K.**, J. Blanchong, N. Hickey, T. Shury, P. Klein, and B. LaFrentz. Keepin' it Clean: Biosafety and Biosecurity for Biologists and Scientists. Workshop to be presented at the joint meeting of The Wildlife Society and American Fisheries Society. Reno, Nevada.
- 2018 **Schuler, K.** and J. Ellis. Wildlife Health Symposium, Northeast Association of Fish and Wildlife Agencies Annual Meeting, Burlington, Vermont.
- 2017 Dhondt, A. and **K. Schuler**. A.D. White Professor-at-Large: Andrew Dobson. 6-year term; Cornell University. <https://www.cornell.edu/video/andrew-dobson-elephants-ivory-wildlife-trade>

- 2016 **Schuler, K. L.** “Sustainable Wildlife: Health Matters!” 65th Annual International Wildlife Disease Association Meeting. July 31-August 5. Cortland, NY. Host Chairperson.
- 2016 **Schuler, K. L.**, K. Hynes, and E. M. Bunting. “New York State Wildlife Health Program Workshop” series of 6 regional full-day workshops including field exercises for New York State Dept. of Environmental Conservation Bureau of Wildlife and Division of Law Enforcement staff.
- 2014 **Schuler, K. L.**, K. Hynes, J. Gansowski, and E. M. Bunting. “New York State Wildlife Health Program Workshop” series of 5 regional full-day workshops including field exercises for New York State Dept. of Environmental Conservation Bureau of Wildlife and Division of Law Enforcement staff.
- 2013 **Schuler, K. L.** Furbearer necropsy workshop. Full-day workshop for New York State Dept. of Environmental Conservation Bureau of Wildlife staff.
- 2012 **Schuler, K. L.**, K. Hynes, and E. M. Bunting. “Introduction to the New York State Wildlife Health Program” series of 7 regional full-day workshops for New York State Dept. of Environmental Conservation Bureau of Wildlife staff.
- 2012 **Schuler, K. L.** Furbearer necropsy workshop. Full-day workshop for New York State Dept. of Environmental Conservation Bureau of Wildlife staff.
- 2011 **Schuler, K. L.** and M. D. Samuel. “A Voyage of Wildlife Diseases around the Pacific” half-day symposium at The Wildlife Society’s annual meeting, Kona, HI.
- 2010 **Schuler, K. L.**, S. Swafford, P. Wolff, and L. MacFarlane. “Field Investigation of Wildlife Mortalities” full-day workshop and wet lab for participants at The Wildlife Society’s annual meeting, Snowbird, UT.
- 2010 **Schuler, K. L.**, V. S. Boschler, and J. Sleeman. “Field Investigation of Wildlife Mortality Events” workshop for Latin American participants at the Wildlife Disease Association annual meeting, Puerto Iguazú, Argentina.
- 2010 **Schuler, K. L.** and C. U. Meteyer. “Field Investigation of Wildlife Mortality Events” workshop for participants at the Student chapter of the American Veterinary Medical Association. Madison, WI.
- 2009 **Schuler, K. L.**, C. U. Meteyer, and P. Wolff. “Field Investigation of Wildlife Mortalities” workshop for professionals and students at Wildlife Disease Association annual meeting, Blaine, WA.
- 2008 **Schuler, K. L.** Wildlife Disease Two-day Workshop and Wet Lab; Presented to Native American Fish and Wildlife Society biologists, Spearfish, SD.
- 2008 **Schuler, K. L.** Diseases of Birds and Mammals. Presented to participants at the annual Native American Fish and Wildlife Society regional meeting, Lander, WY.
- 2008 **Schuler, K. L.** and P. Wolff. Wildlife Diseases and Field Investigation Two-day Workshop; Presented to Oregon Department of Fish and Wildlife biologists, Klamath Falls, OR.

- 2008 **Schuler, K. L.** and A. E. Ballmann. Avian Influenza Workshop and Table-top exercise: presentations to multi-agency group of Alaskan biologist, conducted a field exercise, and prepared and organized a table-top exercise for a H5N1 highly pathogenic avian influenza outbreak. Anchorage, AK.

Instruction:

- 2019 **Schuler, K. L.** “The role of hunters in conservation.” Environmental Conservation NTRES 2010. Cornell University, Ithaca, NY.
- 2019 **Schuler, K. L.** “Disease surveillance in wildlife populations.” Conservation Medicine VTMED 6735. Cornell University, Ithaca, NY
- 2019 **Schuler, K. L.** “Genetics of Chronic wasting disease and other TSE diseases.” Animal Genetics AASC 2210, Cornell University, Ithaca, NY.
- 2018 **Schuler, K. L.** “Disease surveillance in wildlife populations.” Conservation Medicine VTMED 6735. Cornell University, Ithaca, NY
- 2017 **Schuler, K. L.** “Chronic wasting disease and brainworm of ungulates.” Student Chapter of the Wildlife Disease Association and Pathology Club, Cornell University, Ithaca, NY.
- 2017 **Schuler, K. L.** and J. Brown. “Wildlife diseases.” Master’s of Conservation Medicine. Tufts University, Medford, MA.
- 2017 **Schuler, K. L.** “The ecology of wildlife diseases.” Mammalogy Class, BIOEE 4500, Cornell University, Ithaca, NY.
- 2017 **Schuler, K. L.** “Using risk analysis in wildlife diseases.” Wildlife Diseases Special Seminar WFB285, University of Vermont, Burlington, VT.
- 2017 **Schuler, K. L.** “Genetics of Chronic wasting disease and other TSE diseases.” Animal Genetics AASC 2210, Cornell University, Ithaca, NY.
- 2016 **Schuler, K. L.** “HPAI in North American wild birds and biological sample collection.” NYS Dept. of Environmental Conservation Game Bird Banding Workshop, Montezuma, NY.
- 2016 **Schuler, K. L.** “Genetics of Chronic wasting disease and other TSE diseases.” Animal Genetics AASC 2210, Cornell University, Ithaca, NY.
- 2016 **Schuler, K. L.** “A primer on CWD and other prion diseases with a little brainworm at the end.” Student Chapter of the Wildlife Disease Association and Small Ruminant Clubs. Lecture and Wet Lab. Cornell University, Ithaca, NY.
- 2015 **Schuler, K. L.** “Wildlife health and diseases 101.” Wildlife Field Techniques Class EFB496, SUNY-ESF, Chaumont, NY.
- 2015 **Schuler, K. L.** “Using risk analysis in wildlife diseases.” Wildlife Diseases Special Seminar WFB285, University of Vermont, Burlington, VT.

- 2015 **Schuler, K. L.** “Diseases of wild mammals.” Mammalogy Class, BIOEE 4500, Cornell University, Ithaca, NY.
- 2015 **Schuler, K. L.** “Introduction to Wildlife Health.” Wildlife Management Class, NTRES 4280, Cornell University, Ithaca, NY.
- 2015 **Schuler, K. L.** “A Primer on CWD and Other Prion Diseases.” Student Chapter of the Wildlife Disease Association and Small Ruminant Clubs. Lecture and Wet Lab. Cornell University, Ithaca, NY.
- 2015 **Schuler, K. L.** “The 411 on Wildlife Diseases.” 16th Annual Northeast Wildlife Management Seminar, Syracuse, NY.
- 2015 **Schuler, K. L.** “Using Risk Analysis in Wildlife Diseases” Wildlife Diseases Class, University of Vermont, Burlington, VT.
- 2012 **Schuler, K. L.** “Introduction to Wildlife Disease Investigation” presentation at full-day workshop for the Northeast Wildlife Disease Cooperative, U. of Connecticut, CT.
- 2010 **Schuler, K. L.** “Chronic wasting disease and other prion diseases.” Wildlife Disease, University of Wisconsin – Madison Veterinary College, WI
- 2009 **Schuler, K. L.** “Chronic wasting disease and other prion diseases.” Wildlife Disease, University of Wisconsin – Madison Veterinary College, WI
- 2008 **Schuler, K. L.** “Emerging wildlife diseases: Trematodiasis, White nose syndrome, and Botulism type E.” Presented at the Southeastern Cooperative Wildlife Disease Study’s Wildlife Seminar for Emergency Animal Disease Preparedness; Athens, GA.
- 2008 **Schuler, K. L.** “Diseases of wild cervids and bovids, Tularemia and Hantavirus, and Necropsy procedures.” Presented to Native American Fish and Wildlife Association biologists, Madison, WI.
- 2007 **Schuler, K. L.** “Avian diseases other than avian influenza: avian cholera, botulism, and Newcastle disease.” Presented at the Southeastern Cooperative Wildlife Disease Study’s Wildlife Seminar for Emergency Animal Disease Preparedness; Athens, GA.
- 2007 **Schuler, K. L.** “Effects of oil on wildlife and Health and safety risks of wildlife diseases to oil spill responders.” Presented at U.S. Fish and Wildlife Service Oil Spill Response Training; Lafayette, LA.
- 2007 **Schuler, K. L.** “Disease of importance to mammals in Kansas.” Presented at the annual meeting of Kansas Parks and Wildlife; Salinas, KS.
- 2006 **Schuler, K. L., J. A. Jenks, and D. E. Roddy.** “Examination of contact rates for potential transmission of chronic wasting disease in wild deer.” Presented at Celebrating Research, Scholarship, and Creative Activities at SDSU, South Dakota State University, Brookings, SD

- 2005 **Schuler, K. L.** “Capture and testing deer for chronic wasting disease.” Northern Great Plains Workshop: Bird Capture, Banding, Marking Techniques, Strayed/Nuisance Mammal Capture/Removal; Brookings, SD.
- 2003 **Schuler, K. L.** “Monitoring for Chronic Wasting Disease in Deer at Wind Cave National Park.” Presented to the Centennial Celebration, Wind Cave National Park, Hot Springs, South Dakota.
- 2003 **Schuler, K. L.** “Deer and Chronic Wasting Disease research at Wind Cave National Park.” Presented at Wind Cave National Park Training Day, Hot Springs, SD.
- 2001 **Schuler, K. L.** “Where the buffalo roam: problems with the keystone species question.” Presented to the Department of Zoology, Lunchtime Seminar Series, Oklahoma State University, Stillwater, OK.
- 2001 **Schuler, K. L.** “Bison ecology, behavior, and management on tallgrass prairie.” Presented to the 2001 Southeastern Student Conclave, The Wildlife Society. The Nature Conservancy’s Tallgrass Prairie Preserve, Pawhuska, OK.

Student Interactions:

Committee Member:

Martin Feehan, PhD, 2022. Survival of a suburban white-tailed deer population. Cornell University, Ithaca, NY. *In progress.*

Alyssa Wetterau, PhD, 2020. Characterization and quantitative analysis of chytridiomycosis in eastern hellbender salamanders. Cornell University, Smithsonian Joint Research Program, Ithaca, NY. *In progress.*

Katrina Alger, MS, 2015. SUNY-ESF, Syracuse, NY. *Completed.* Edna Bailey Sussman summer internship 2014, Animal Health Diagnostic Center, Cornell University, Ithaca, NY. *Completed.*

Lucas Krauss, BS, 2019. Canine parvovirus in Vermont mesocarnivores. Green Mountain College, Vermont. *Completed.*

External Examiner: Julie Wittrock, PhD, 2019. University of Saskatoon. Saskatchewan, CAN.

Research Projects:

Alvaro Eduardo Ponce Cosio, DVM 2019. Research Experience for Peruvian Undergraduates. <https://www.repuprogram.org/> Peru. *Completed.*

Patrick Connelly, DVM 2021. Software coding for population modeling applications – Cornell Wildlife Health Lab. Cornell University, Ithaca, NY. *Completed.*

Alec Wong, MS 2019. Landscape risk modeling for moose in the Adirondack Mountains, New York. Cornell University, Ithaca, NY. *In progress.*

Eva Laubach, BS 2019. *Fascioloides magna* ELISA development; Senior Honors Thesis Cornell University, Ithaca, NY. *Completed.*

- Anna Ullman, BS 2020. Moose health sample collection and gastropod testing. Cornell University, Ithaca, NY. *Completed.*
- Dakotah Tanczuk, BS 2019. Moose health sample collection and gastropod testing. Cornell University, Ithaca, NY. *Completed.*
- Richalice Mendez, DVM 2021. Moose health sample collection and deer fecal testing. Cornell University, Ithaca, NY. *Completed.*
- Emma Hurley, DVM 2020. Moose health sample collection and deer fecal testing. Cornell University, Ithaca, NY. *Completed.*
- Alexandra Lombard, MCM. 2018. *Fascioloides magna* in white-tailed deer samples. Tufts University, Master's of Conservation Medicine. *Completed.*
- Hwansuck Song, PhD. 2018. The role of similarity and trust in psychological reactance against public policy. Cornell University, Dept. of Communications, Ithaca, NY. *Completed.* [Current Position: Assistant Professor – Purdue University]
- Benjamin Jakobek, DVM. 2020. Modified Baermann assay of deer fecal samples. Cornell University, Ithaca, NY. *Completed.*
- Kristen Schott, DVM. 2020. Gastropod identification for moose health risk study. Cornell University, Ithaca, NY. *Completed.*
- Hannah Schnitzler, DVM. 2018. Serosurvey of coyotes as a sentinel for black-footed ferrets on tribal land, South Dakota. Cornell University, Ithaca, NY. *In progress.* [Current Position: MPH student – University of Washington]
- Melissa King-Smith, DVM. 2018. Identification and molecular characterization of *P. tenuis*. Cornell University, Ithaca, NY. *Completed.*
- Skylar Sylvester, DVM. 2018. Histologic lesions of *P.tenuis* in white-tailed deer. Cornell University, Ithaca, NY. *Completed.* [Current Position: Intern – PennVet Ryan Hospital]
- Cynthia Willems, DVM. 2018. Wildlife health fact sheets. Cornell University, Ithaca, NY. *Completed.*
- Kyle Walker, DVM 2017. Quantification of liver lead in asymptomatic bald eagles. Cornell University, Ithaca, NY. *Completed.*
- Nicholas Ledesma, DVM/PhD. 2016. Isolation of *P.tenuis* from clinically normal and abnormal white-tailed deer. *Completed.* [Current Position: Serology Section Head – U.S. Dept. of Agriculture – National Veterinary Services Laboratory, Ames, Iowa]
- Kailey Banks, DVM. 2016. Identification of lead poisoning in New York State bald eagles. Cornell University, Ithaca, NY. *Completed.* [Current Position: Zoo and Wildlife Residency – Smithsonian's National Zoo, Washington, D.C.]
- Alaina Woods, Cornell New Visions High School Student. 2015. Lymphoproliferative disease virus in domestic turkeys. *Completed.* [Current Position: Wildlife Graduate Student – Texas A&M University]
- Ryan Olivia, DVM. 2015. Characterizing lesions from *P.tenuis* in white-tailed deer, moose, and llamas. Veterinary Investigator Program, Tufts University, North Grafton, MA. *Completed.* [Current Position: Anatomic Pathology Resident – Washington State University]
- Brigette Brewer, DVM, PostDoc. 2010. Sea otter. University of Wisconsin – Madison, Madison, WI. *Completed.* [Current Position: Animal Care Veterinarian – Wayne State University, Michigan]
- John Tracey, DVM. 2009. Medical wallet card for wildlife professionals. University of Wisconsin-Madison, Madison, WI. *Completed.* [Current Position: Large Animal Veterinarian – Wisconsin Dept. of Agriculture, Trade, and Consumer Protection]

Mentored:

- Lisa Jones, DVM 2019. New York State Wildlife Health Program. Cornell University, Ithaca, NY.
- William Fugina, DVM 2019. New York State Wildlife Health Program. Cornell University, Ithaca, NY.
- Carly Augustyn, DVM 2018. Fawn survival at Fort Drum Army Base. Cornell University, Ithaca, NY.
- Martin Feehan, MS 2018. Fawn survival at Fort Drum Army Base. Cornell University, Ithaca, NY.
- Alec Wong, PhD 2021. Parasite risk to Adirondacks moose. Cornell University, NY
- Deirdre Halloran, DVM 2018. Semi-domestic dog movements and disease movements in Botswana. Expanding Horizons program, Cornell University, Ithaca, NY.
- Kailey Banks, DVM 2016. Wildlife health 2013 summer internship. Wiederhold Foundation, Cornell University, Ithaca, NY. [Current Position: Zoo and Wildlife Residency – Smithsonian’s National Zoo, Washington, D.C.]
- John Fieger, DVM 2016. Wildlife rehabilitator summer internship. DEC Wildlife Health Program, Cornell University, Ithaca, NY.
- Kate Backel, DVM 2015. Wildlife health 2012 summer internship. Wiederhold Foundation, Cornell University, Ithaca, NY.
- Andrew DiSalvo, DVM 2015. Wildlife health 2012 summer internship. Wiederhold Foundation, Cornell University, Ithaca, NY. [Current Position: Wildlife Residency – University of California – Davis]
- Christopher Cheleuitee Nieves, DVM 2015. Wildlife health 2013 summer internship. Wiederhold Foundation, Cornell University, Ithaca, NY.
- Jessica Torres, BS 2014. Wildlife health program workstudy student. Cornell University, Ithaca, NY.
- Kaitlyn Briggs, BS 2013. Wildlife health program workstudy student. Cornell University, Ithaca, NY.
- Julia Gray, BS 2009. Field investigation team workstudy student. University of Wisconsin-Madison, Madison, WI.
- Jennifer Bruckner, BS 2008. Field investigation team workstudy student. University of Wisconsin-Madison, Madison, WI.

2014-Present Advisor for the Student Chapter of the Wildlife Disease Association, Cornell University.

Continuing Education, Short-courses, and Workshops Attended:

- 2015 Survival Analysis, Cornell University, Ithaca, NY
- 2015 Introduction to Bayesian Statistical Modeling, Cornell University, Ithaca, NY
- 2013 Mathematical and Epidemiological Modeling of Endemic Infectious Disease: A Hands-On Workshop, Cornell University, Three day workshop. Ithaca, NY
- 2012 Geographical Epidemiology, University of Guelph. Five day workshop. Guelph, ONT.
- 2011 Introduction to R, Cornell Institute for Social and Economic Research. Ithaca, NY
- 2010 Adaptive Management of Natural Resources. Taught by Dr. P. Geissler, USGS.
- 2009 USGS Leadership Intensive. Two-day workshop. Indianapolis.

- 2009 Learn R, a free software environment for statistical computing and graphics. Taught by Dr. P. Geissler, USGS.
- 2006 Home range and animal movements workshop. Idaho State University, Pocatello.
- 2004 Model selection and multimodel inference. Taught by Dr. D. Anderson, Colorado State University, Fort Collins, CO.
- 2002 Wildlife handling techniques. Taught by Dr. M. Johnson, U. S. Fish and Wildlife Service, Forest Lake, MN.
- 2002 Animal handling, immobilization, and tonsillar biopsy sampling. Taught by Dr. M. Wild, Rocky Mountain National Park, Estes Park, CO.
- 2001 Introduction to model selection. Taught by Dr. D. Anderson, Oklahoma State University, Stillwater, OK.

Awards and Scholarships:

- 2019 Honorary Member, The Society of Phi Zeta, Honor Society of Veterinary Medicine, Cornell University, Ithaca, NY.
- 2013 Outstanding Professional, The New York State Chapter of The Wildlife Society
- 2010 USGS S.T.A.R. Award for authorship of Climate Change and Wildlife Health white paper
- 2008 The Wildlife Society Leadership Institute Participant
- 2006 Wildlife Disease Association Student Scholarship Award
- 2005 Sigma Xi Ph.D Research Award, Sigma Xi Honor Society
- 2005 Outstanding Wildlife Ph.D Student, South Dakota Chapter of The Wildlife Society
- 2005 Student Travel Scholarship, George Wright Society
- 2002 Robert L. Lochmiller II Memorial Endowed Scholarship, Oklahoma State University
- 2001 Graduate & Professional Student Association Travel Award, Oklahoma State University
- 2001 Department of Zoology Travel Award, Oklahoma State University
- 2000 Throlson Scholarship, National Bison Association
- 1997 Rec-Sports Champion Student Athlete, University of Notre Dame

Certifications:

- 2012 Chemical Immobilization of Animals, Safe Capture International
- 2007/09 USGS Basic Firearms Safety Training
- 2007 PADI Open Water Diver
- 2003 Remote Drug Delivery Certification, Wind Cave National Park
- 2002 Wildlife Handling Techniques Certification, U.S. Fish and Wildlife Service
- 2002 Basic Field Anesthesia Certification, National Park Service
- 2002 S-271 Interagency Helicopter Safety Training, National Park Service
- 2010 Adult, Child, and Infant CPR Certification, Red Cross
- 2010 First Aid Certifications, Red Cross

Press Coverage:

2019 Chronic wasting disease: 150 national stories

[USA Today](#): republished 70 times

[USA Today](#)

Bear Mange: [Adirondacks Explorer](#)

2018 Chronic wasting disease: The Wildlife Professional,

[Podcast: Hunt Talk Radio with Randy Newburg](#)
[Casper Star Tribune](#)
[Montana Untamed](#)
[Billings Gazette](#)
[Mountain Journal](#)

2017 Chronic wasting disease: >445 news clips nationally

[The New York Daily News](#)
[Pittsburgh Post-Gazette](#)
[The New Yorker](#)
[The Wilkes-Barre Times Leader](#)

2017 Bald Eagle Lead Poisoning: 268 total clips nationally

[Great Lakes Today](#)
[Ithaca Journal](#)
[Auburn Citizen](#)
[Auburn Citizen follow-up](#)
[Central NY](#) (video)
[WENY](#)
[Associated Press](#)

2017 [Going Green: Wildlife Health Issues](#) (video)

2017 [Of Moose and Men: CVM Researchers gathering key insights on New York State moose populations; Parasites, Snails may Factor into Moose Decline](#)

2017 [National Deer Alliance “Deer and Coffee” Facebook Live](#)

2016 [Wildlife Disease Association](#)

2016 [Wildlife Health Contract](#)