

# Curriculum Vitae

## Kris Joseph Hundertmark

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### EDUCATION

**Ph.D. Biological Sciences—Wildlife**, University of Alaska Fairbanks; Dissertation title: Phylogeography of moose (*Alces alces*): genetic signatures of population history, 2002; Co-advisors: Dr. R. Terry Bowyer and Dr. Gerald F. Shields

**M.S. Wildlife Science**, Oregon State University; Thesis title: Food selection and juvenile survival in Nuttall's cottontails in central Oregon, 1982; Advisor: Dr. B. J. Verts

**B.S. Forest Science** (with honors), The Pennsylvania State University, 1978

### PROFESSIONAL GOAL

To contribute, through research, education, service, and administration to the understanding of the ecology and evolution of wildlife populations, species, and communities and to facilitate their conservation.

### RESEARCH INTERESTS

Conservation genetics  
Landscape genetics: identifying drivers of population structure  
Population biology of large mammals  
Phylogeography, particularly of Beringian mammals  
Population and landscape genomics  
Influence of selective harvest on population processes of large mammals

### PROFESSIONAL EXPERIENCE

University of Alaska Fairbanks, Fairbanks, AK, 2005-present

2019-present: Associate Professor of Wildlife Biology and Conservation, Emeritus  
2018-2019: Chair, Wildlife Biology and Conservation program and Associate Professor of Wildlife Ecology, University of Alaska Fairbanks

2016-2018: Chair, Department of Biology and Wildlife, University of Alaska Fairbanks

2015-2016: Chair, Wildlife Biology and Conservation Program, University of Alaska Fairbanks

2010-present: Associate Professor of Wildlife Ecology, Institute of Arctic Biology and Department of Biology and Wildlife

2005-2010: Assistant Professor of Wildlife Ecology, Institute of Arctic Biology and Department of Biology and Wildlife

Zoological Society of London, Regent's Park, London, United Kingdom, 2003-2005

Jan. 2003-July 2005: Conservation Geneticist, King Khalid Wildlife Research Centre, Thumamah, Kingdom of Saudi Arabia

Alaska Department of Fish and Game, Division of Wildlife Conservation, 1982-2003

2000-2003: Wildlife Research Biologist, Wildlife Biologist III

1995-2000: Senior Scientist, Kenai Moose Research Center, Wildlife Biologist III

1988-1994: Research Wildlife Biologist, Kenai Moose Research Center, Wildlife Biologist II

1983-1987: Assistant Area Wildlife Biologist / Wildlife Planner, Wildlife Biologist I & II

1982: Fish and Wildlife Technician

#### **SUPERVISION OF STUDENT RESEARCH**

##### *Past graduate students*

- Brinkman, Todd — PhD in Biological Sciences—Wildlife (2009); (co-advised with F. S. Chapin); Thesis topic: Understanding key components of a deer hunting system to enhance resilience.
- Bryan, Anna — MS in Biology (2014; co-supervised with L. Horstmann); Thesis topic: Identifying bearded and ringed seal diet—a comparison of stomach contents, stable isotopes, fatty acids, and fecal DNA.
- Colson, Kevin — MS in Wildlife Biology and Conservation (2013); Thesis topic: Genetic structure of moose (*Alces alces*) at multiple spatial scales.
- Frederick, Jeffrey — MS in Wildlife Biology and Conservation (2015; co-supervised with S. Pyare, University of Alaska Southeast); Thesis topic: Alpine thermal dynamics and constraints on the behavior of mountain goats in Southeast Alaska.
- Gilbert, Sophie — PhD in Biological Sciences—Wildlife (2015); Thesis topic: Environmental drivers of deer population dynamics and spatial selection in Southeast Alaska.
- Hobbs, Geoffrey I. — MSc in Wild Animal Biology (2004), Royal Veterinary College, University of London and Institute of Zoology, Zoological Society of London; Thesis topic: Inbreeding and juvenile survival in captive-bred gazelles in Saudi Arabia.
- Jochum, Kim — PhD in Biological Sciences—Wildlife (2014; co-advised with L. Alessa, University of Alaska Anchorage); Thesis topic: Applying a social ecological systems approach to human-bear encounters across the Pacific Rim: advancing resilient human-wildlife management strategies.
- Johnson, Ian — MS in Wildlife Biology and Conservation (2016; co-supervised with T. Brinkman); Thesis topic: Subsistence use patterns of moose harvest in Interior Alaska under a changing climate.
- Kraft, Benjamin — MS in Wildlife Biology and Conservation (2011); Thesis topic: Energetics and space use of female moose during winter in lowland and mountain landscapes: is the speed of the slide related to the slope of the hill?
- Lewis, Tania — MS in Wildlife Biology and Conservation (2012; co-advised with S. Pyare, University of Alaska Southeast); Thesis topic: Distribution model and population genetics of bears in Glacier Bay National Park.
- Mager, Karen — PhD in Biological Sciences—Wildlife (2012); Thesis topic: Identification and history of Teshekpuk Lake caribou: perspectives from landscape genetics and oral history.
- Weigner, Heidi—PhD in Biological Sciences (2012; co-advised with F. von Hippel, University of Alaska Anchorage); Thesis topic: Speciation in three-spined stickleback in a recently deglaciated landscape.

Woldstad, Theresa — MS in Wildlife Biology and Conservation (2009); Thesis topic:  
Distribution and spread of an invasive louse, *Trichodectes canis*, in Alaska wolves.

*Past undergraduate student mentees*

Stacy, Elise — URSA undergraduate research fellow, 2016, 2017

Swensgard, Nicole — EPSCoR undergraduate research fellow, 2006

*Current graduate students*

None

**PROFESSIONAL AFFILIATIONS AND SERVICE**

*Professional Memberships and Affiliations:*

The Wildlife Society  
American Society of Mammalogists  
American Genetic Association  
North American Moose Conference and Workshop  
Circumarctic *Rangifer* Monitoring and Assessment Network (CARMA)

*Service (academic, professional, and public):*

University of Alaska Fairbanks

Member, URSA (Undergraduate Research and Scholarly Activity) Advisory Board,  
2016-present

Member, Honorary Degree and Commencement Speaker Selection Committee, 2016-  
2018

Member, CNSM dean search committee, 2018-2019

Member, *ad hoc* Unit Peer Review Committee for tenure for Dr. Arleigh Reynolds,  
Department of Veterinary Medicine

Member, *ad hoc* Unit Peer Review Committee for tenure for Dr. Lisa Lunn,  
Department of Veterinary Medicine

Member, Unit Peer Review Committee, Department of Biology and Wildlife, 2010-  
present

Member, Faculty Advisory Committee for design of Murie Building interior, 2012

Member, Faculty Senate Research Advisory Committee, 2009-2016

Associate Science Director, Robert G. White Large Animal Research Station, 2005-  
2011

Member, Research Advisory Committee, Institute of Arctic Biology, 2005-2007

Member, Teaching Advisory Committee, Department of Biology and Wildlife, 2008-  
2016

Member, Graduate School Travel Grant Committee, 2006-2009

International Union for the Conservation of Nature (IUCN)

Member, Antelope Specialist Group, Species Survival Commission, 2004-2010

Participant, 5<sup>th</sup> Conservation Assessment and Management Planning (CAMP)

Workshop for the Arabian Peninsula, Emirate of Sharjah, February 2004

## The Wildlife Society

Past President, Alaska Chapter, 2012-2013  
 President, Alaska chapter, 2010-2011  
 President-Elect, Alaska Chapter, 2008-2009  
 Executive Committee, Alaska Chapter, 1988, 1992  
 Secretary-Treasurer, Alaska Chapter, 1988  
 Organizing Committee, Northwest Section Annual Meeting, 1987

## American Society of Mammalogists

Co-chair of organizing committee, 89<sup>th</sup> Annual Meeting, Fairbanks, 2009  
 Member, Resolutions Committee, 2003-2005  
 Organizing committee, 59th Annual Meeting, Corvallis, 1979

## North American Moose Conference and Workshop

Associate Editor, *Alces*, 1997- 2002  
 Co-Editor, *Alces Supplement 2*, 2002  
 Organizing Committee, 4th International Moose Symposium, Anchorage and Fairbanks, 1997  
 Organizing Committee, 27th North American Moose Conference and Workshop, Anchorage, 1991  
 Chair, Alaska Interagency Moose Meeting, 1991

## The Boone &amp; Crockett Club

Professional member, 2018-present

## Xi Sigma Pi (Forestry Honor Society)

President, Penn State Chapter, 1977-78

*Acta Theriologica* (now *Mammal Research*)

Associate Editor, 2010-2014  
 Guest Editor, Special issue on Moose in a Changing Environment, October, 2013

*Mammal Research* (formerly *Acta Theriologica*)

Member of Editorial Board, 2014-2016

## Journals requesting peer review

*Acta Theriologica*, *Alces*, *Biological Journal of the Linnean Society*, *BMC Research Notes*, *Conservation Ecology*, *Conservation Genetics*, *Current Zoology*, *Ecography*, *Ecological Applications*, *Ecology*, *Journal of Biogeography*, *Journal of Fish and Wildlife Management*, *Journal of Mammalian Evolution*, *Journal of Mammalogy*, *Journal of Wildlife Management*, *Mammal Research*, *Mammal Review*, *Mammalia*, *Mammalian Biology*, *Marine Ecology Progress Series*, *Molecular Ecology*, *Molecular Ecology Resources*, *Molecular Phylogenetics and Evolution*, *Oryx*, *PLOS ONE*, *Polar Biology*, *Royal Society Open Science*, *Systematics and Biodiversity*, *Wildlife Research*, *Wildlife Society Bulletin*

## Proposal review

National Science Foundation, National Sciences and Engineering Research Council of Canada

## Outside examiner (international)

PhD thesis of Veli-Matti Kangas, University of Oulu, Finland  
 Promotion to Associate Professor of Dr. Riyadh Aljumaah, King Saud University, Saudi Arabia  
 Promotion of Dr. Włodzimierz Jedrzejewski to Principal Investigator at the Instituto Venezolano de Investigaciones Cientificas, Venezuela

Alaska Department of Fish and Game,  
 Chair, Wood Bison Transplant Review Committee, 2007  
 US Fish and Wildlife Service/Alaska Department of Fish and Game  
 Member, Unimak Caribou Herd Science Team  
 National Audubon Society, Alaska State Office  
 Board of Scientific Advisors, 1998-2002, 2005-2013  
 Friends of Creamer's Field  
 Board of Directors, 2006-2008  
 Camp Habitat, Fairbanks, Alaska  
 Member, Board of Advisors, 2007-2008

#### **FUNDED GRANTS**

- ◇ INBRE/IAB Genomics Prize, 2013, \$24,000, De novo genome sequencing of reindeer and caribou
- ◇ Alaska Department of Fish and Game, 2009-2010, \$96,000, Estimating wolf populations in Southeast Alaska using non-invasive DNA sampling
- ◇ Alaska Department of Fish and Game, 2009-2014, \$444,000, Survival of black-tailed deer fawns relative to habitat selection
- ◇ Alaska Fish and Wildlife Foundation, 2009-2010, \$50,000, Origin and history of Teshekpuk Lake caribou
- ◇ Alaska EPSCoR, 2008, \$30,000, Landscape Genetics of Alaskan Wildlife: Effects of Changing Environments on Population Structure
- ◇ US Fish and Wildlife Service Challenge Cost-Share Agreement, 1998, \$14,000: Genetic effects of a wolf translocation to the Kenai Peninsula
- ◇ Boone and Crockett Club, Grant-in aid of research, 1995, \$5,000: Effects of selective harvest on population genetics of moose
- ◇ Boone and Crockett Club, Grant-in-aid of research, 1994, \$5,000: Effects of selective harvest on population genetics of moose
- ◇ Mazamas, Grant-in-aid of research, 1979, \$500: Food selection and juvenile survival in Nuttall's cottontails in central Oregon

#### **COLLABORATORS (LAST 5 YEARS)**

- ◇ Dr. Beth Shapiro, University of California Santa Cruz
- ◇ Dr. Steeve Côté, Laval University, Canada
- ◇ Dr. Glenn Yannic, Laval University, Canada
- ◇ Dr. Pierre Taberlet, CNRS, France
- ◇ Dr. Todd Brinkman, University of Alaska Fairbanks
- ◇ Mr. Kevin White, Alaska Department of Fish and Game
- ◇ Dr. Magdalena Niedzialkowska, Polish Academy of Sciences
- ◇ Dr. Bogumila Jedrzejewska, Polish Academy of Sciences
- ◇ Dr. Winston Smith, US Forest Service
- ◇ Dr. Sanjay Pyare, University of Alaska Southeast
- ◇ Dr. Kimberlee Beckmen, Alaska Dept. of Fish and Game

#### **CERTIFICATIONS, HONORS, AWARDS, AND APPOINTMENTS**

- ◇ Awarded emeritus status at UAF, 2019
- ◇ Chancellor's Award for Excellence in Research, 2019
- ◇ Elected Professional Member, The Boone & Crockett Club, 2018

- ◇ Visiting Professor, Laboratory of Alpine Ecology, Joseph Fourier University, Grenoble, France, February-April, 2013
- ◇ Visiting Professor (honorary), Mammal Research Institute, Polish Academy of Sciences, Bialowieza, Poland, 2010-2013
- ◇ Marie Curie Fellow, Mammal Research Institute, Polish Academy of Sciences, Bialowieza, Poland, 2010
- ◇ Distinguished Moose Biologist Award, North American Moose Conference and Workshop, 2007
- ◇ Certified Wildlife Biologist, The Wildlife Society, Washington, DC, USA
- ◇ The Wildlife Society Group Achievement Award 1992 (awarded to the Kenai Moose Research Center during my tenure)
- ◇ Xi Sigma Pi (Forestry Honor Society)
- ◇ Gamma Sigma Delta (Agriculture Honor Society)

### UNIVERSITY TEACHING EXPERIENCE

University of Alaska Fairbanks (tenure-track faculty member)

- ◇ Ecology and Management of Large Mammals (I created this course)
- ◇ Conservation Genetics (I created this course)
- ◇ Wildlife Management Techniques
- ◇ Principles of Wildlife Management

University of Alaska Southeast, Juneau (part-time Instructor)

- ◇ Introduction to Biology

Oregon State University, Corvallis (teaching assistant)

- ◇ Wildlife Biology–Mammals
- ◇ Wildlife Biology–Birds
- ◇ Wildlife Population Dynamics
- ◇ Principles of Wildlife Conservation
- ◇ Wildlife Management Techniques
- ◇ Commercial Fisheries Seminar

### PUBLICATIONS (**Name** = graduate student author; **Name** = undergraduate student author)

63. **Colson K.E., J.D. Smith**, and K.J. Hundertmark. 2017. St. Matthew Island colonized through multiple long-distance red fox (*Vulpes vulpes*) dispersal events. *Canadian Journal of Zoology* 95:607-609.
62. **Gilbert, S.L.**, K.J. Hundertmark, D.K. Person, M.S. Lindberg, and M.S. Boyce. 2017. Behavioral plasticity in a variable environment: snow depth and habitat interactions drive deer movement in winter. *Journal of Mammalogy* 98:246-259.
61. Hanke, D, C.M. Freuling, S. Fischer, K. Hueffer, K. Hundertmark, S. Nadin-Davis, D. Marston, A.R. Fooks, A. Bøtner, T.C. Metenleiter, M. Beer, T.B. Rasmussen, T. Müller, and D. Höper. 2016. Spatio-temporal analysis of the genetic diversity of arctic rabies viruses and their reservoir hosts in Greenland. *PLOS Neglected Tropical Diseases* 10(7): e0004779. doi:10.1371/journal.pntd.0004779

60. **Johnson, I.A.**, T. Brinkman, K. Britton, J. Kelly, K. Hundertmark, B. Lake, and D. Verbyla. 2016. Quantifying rural hunter access in Alaska. *Human Dimensions of Wildlife* 21:240-253.
59. **Colson, K.E.**, K.S. White, and K.J. Hundertmark. 2016. Parturition-site selection in moose (*Alces alces*): evidence for social structure. *Journal of Mammalogy* 97:788-797.
58. **Goldsmith, E., B. Renshaw, C.J. Clement, E.A. Himschoot**, K.J. Hundertmark, and K. Hueffer. 2016. Population structure of two rabies hosts relative to the distribution of rabies virus variants in Alaska. *Molecular Ecology* 25:675-688. (cover story)
57. Niedzialkowska, M., K.J. Hundertmark, B. Jedrzejewska, V.E. Sidorovich, H. Zalewska, R. Veeroja, E.J. Solberg, S. Laaksonen, H. Sand, V.A. Solovyev, A. Sagaydak, J. Tiainen, R. Juskaitis, G. Done, V.A. Borodulin, E.A. Tulandin, and K. Niedzialkowski. 2016. The contemporary genetic pattern of European moose is shaped by postglacial recolonization, bottlenecks, and the barrier effect of the Baltic Sea. *Biological Journal of the Linnean Society* 17:879-894. DOI: 10.1111/bij.12713
56. **Lewis, T.**, S. Pyare, and K.J. Hundertmark. 2015. Contemporary genetic structure of brown bears (*Ursus arctos*) in a recently deglaciated landscape. *Journal of Biogeography* 42:1701-1713.
55. **Mager, K.H., K.E. Colson**, P. Groves, and K.J. Hundertmark. 2014. Population structure over a broad spatial scale driven by non-anthropogenic factors in a wide-ranging migratory mammal, Alaskan caribou. *Molecular Ecology* 23:6045-6057.
54. **Gilbert, S.L.**, M.S. Lindberg, K.J. Hundertmark, and D.K. Person. 2014. Dead before detection: addressing the effects of left truncation on survival estimation and ecological inference for neonates. *Methods in Ecology and Evolution*. 5:992-1001.
53. Niedzialkowska, M., K.J. Hundertmark, B. Jedrzejewska, K. Niedzialkowski, V.E. Sidorovic, M. Gorny, R. Veeroja, E.J. Solberg, S. Laaksonen, H. Sand, V. Solovyev, M. Shkvyria, J. Tiainen, I.M. Okhlopkov, R. Juskaitis, G. Aizupiete, V.A. Borodulin, E.A. Tulandin, and W. Jedrzejewski. 2014. Genetic diversity hotspots and spatial structure in European moose (*Alces alces*) reveal a complex population history. *Journal of Biogeography* 41:2173-2184.
52. **Woldstad, T.M., K.N. Dullen**, K.J. Hundertmark, and K.B. Beckmen. 2014. Restricted evaluation of *Trichodectes canis* (Phthiraptera: Trichodectidae) detection methods in Alaska gray wolves. *International Journal for Parasitology: Parasites and Wildlife* 3:239-241.
51. **Colson, K.E., K.H. Mager**, and K.J. Hundertmark. 2014. Reindeer introgression and the population genetics of caribou in southwestern Alaska. *Journal of Heredity* 105:585-596.
50. **Jochum, K.A.**, Kliskey, A.A., Hundertmark, KJ, and Alessa, L.N. 2014. Integrating complexity in the management of human-wildlife encounters. *Global Environmental Change* 26:73-86.
49. Yannic, G, Pellissier L, Ortego J, Lecomte N, Couturier S, Cuyler C, Dussault C, Hundertmark KJ, Irvine RJ, Jenkins DA, Kolpashikov L, **Mager K**, Musiani M,

- Parker KL, Roed KH, Sipko T, Þórisson SG, Weckworth BV, Guisan A, Bernatchez L, Côté SD. 2014. Genetic diversity in caribou linked to past and future climate change. *Nature Climate Change* 4:132-137. DOI: 10.1038/nclimate2074
48. **Albrecht, G.T.**, A.E. Valentin, K.J. Hundertmark, and S.M. Hardy. 2014. Panmixia in Alaskan populations of snow crab *Chionoecetes opilio* (Crustacea: Decapoda) in the Bering, Chukchi, and Beaufort Seas. *Journal of Crustacean Biology* 34:31-39. DOI:10.1163/1937240X-00002197
47. **Mager, K.H., K.E. Colson**, and K.J. Hundertmark. 2013. High genetic connectivity and introgression from domestic reindeer characterize northern Alaska caribou herds. *Conservation Genetics* 14:1111-1123. DOI: 10.1007/s10592-013-0499-2
46. **Brinkman, T.J.**, D.K. Person, W. Smith, F.S. Chapin, III, K. McCoy, M. Leonawicz, and K.J. Hundertmark. 2013. Using DNA to test the utility of pellet-group counts as an index of deer counts. *Wildlife Society Bulletin* 37:444-450. DOI: 10.1002/wsb.270
45. **Colson, K.E., T.J. Brinkman**, D.K. Person, and K.J. Hundertmark. 2013. Fine-scale social and spatial genetic structure in Sitka-black-tailed deer. *Conservation Genetics* 14:439-449. DOI: 10.1007/s10592-012-0388-0
44. White, K.S., G.W. Pendleton, D. Crowley, H.J. Griese, K.J. Hundertmark, T. McDonough, L. Nichols, M. Robus, C.A. Smith, and J.W. Schoen. 2011. Mountain goat survival in coastal Alaska: effects of age, sex, and climate. *Journal of Wildlife Management* 75:1731-1744.
43. Wachter, T., T. Wronski, R. L. Hammond, B. Winney, M. J. Blacket, K. J. Hundertmark, O. B. Mohammed, S. A. Omer, W. Macasero, **H. Lerp**, M. Plath, and C. Bleidorn. 2011. Phylogenetic analysis of mitochondrial DNA sequences reveals polyphyly in the goitered gazelle (*Gazella subgutturosa*). *Conservation Genetics* 12:827-831.
42. **Brinkman, T.J.**, D.K. Person, F.S. Chapin, III, W. Smith, and K.J. Hundertmark. 2011. Estimating abundance of Sitka black-tailed deer using DNA from fecal pellets. *Journal of Wildlife Management* 75:232-242.
41. **Brinkman, T.J.**, D.K. Person, M.K. Schwartz, K.L. Pilgrim, **K.E. Colson**, and K.J. Hundertmark. 2010. Individual identification of Sitka black-tailed deer (*Odocoileus hemionus sitkensis*) using DNA from fecal pellets. *Conservation Genetics Resources* 2:115-118.
40. Wronski, T., T. Wachter, R. L. Hammond, K. J. Hundertmark, O. B. Mohammed, S. Omer, W. Macasero, M. Plath, R. Tiedemann, and C. Bleidorn. 2010. Two reciprocally monophyletic mtDNA lineages elucidate the taxonomic status of mountain gazelles (*Gazella gazella*). *Systematics and Biodiversity* 8:119-129.
39. Hundertmark, K. J. and L. J. Van Daele. 2010. Founder effect and bottleneck signatures in an introduced, insular population of elk. *Conservation Genetics* 11:139-148.
38. **Brinkman, T. J.**, M. K. Schwartz, D. K. Person, K. L. Pilgrim, and K. J. Hundertmark. 2010. Effects of time and rainfall on PCR success using DNA extracted from deer fecal pellets. *Conservation Genetics* 11:1547-1552.

37. Hundertmark, K. J. 2009. Reduced genetic diversity in two introduced and isolated moose populations in Alaska. *Alces* 45:137-142.
36. **Brinkman, T. J.**, and K. J. Hundertmark. 2009. Sex identification of northern ungulates using low quality and quantity DNA. *Conservation Genetics* 10:1189-1193.
35. **Schmidt, J. I.**, K. J. Hundertmark, R. T. Bowyer, and K. G. McCracken. 2009. Population structure and genetic diversity of moose in Alaska. *Journal of Heredity* 100:170-180.
34. Hundertmark, K. J. 2007. Home range, dispersal and migration. Pages 303-335 in A. W. Franzmann and C. C. Schwartz, eds. *Ecology and management of the North American moose*. 2<sup>nd</sup> edition. University Press of Colorado. Boulder, Colorado.
33. Hundertmark, K. J., R. T. Bowyer, G. F. Shields, C. C. Schwartz, and M. H. Smith. 2006. Colonization history and taxonomy of moose *Alces alces* in southeastern Alaska inferred from mtDNA variation. *Wildlife Biology* 12: 331-338.
32. Fulton, D. C., and K. J. Hundertmark. 2004. Assessing the effects of a selective harvest system on moose hunters' behaviors, beliefs, and satisfaction. *Human Dimensions of Wildlife* 9:1-16.
31. Hundertmark, K. J. and R. T. Bowyer. 2004. Genetics, evolution and phylogeography of moose. *Alces* 40:103-122.
30. Aschfalk, A., K. J. Hundertmark, H. R. Bendiksen, J. M. Arnemo, and N. Denzin. 2003. Serosurvey for antibodies against *Salmonella* species in free-ranging moose (*Alces alces*) from Norway. *Berliner und Münchener Tierärztliche Monatsschrift* 116:417-420.
29. Hundertmark, K. J., R. T. Bowyer, G. F. Shields, and C. C. Schwartz. 2003. Mitochondrial phylogeography of moose (*Alces alces*) in North America. *Journal of Mammalogy* 84:718-728.
28. Bowyer, R. T., **K. M. Stewart**, B. M. Pierce, K. J. Hundertmark, and W. C. Gasaway. 2002. Geographical variation in antler morphology of Alaskan moose: putative effects of habitat and genetics. *Alces* 38:155-165.
27. Bubenik, G. A., and K. J. Hundertmark. 2002. Accessory antlers in male Cervidae. *European Journal of Wildlife Research* 48:10-21.
26. Hundertmark, K. J., G. F. Shields, R. T. Bowyer, and C. C. Schwartz. 2002. Genetic relationships deduced from cytochrome-b sequences among moose. *Alces* 38:113-122.
25. Hundertmark, K. J., G. F. Shields, I. G. Udina, R. T. Bowyer, A. A. Danilkin, and C. C. Schwartz. 2002. Mitochondrial phylogeography of moose (*Alces alces*): late Pleistocene divergence and population expansion. *Molecular Phylogenetics and Evolution* 22:375-387.
24. White, K. S., H. N. Golden, K. J. Hundertmark and G. R. Lee. 2002. Predation by Wolves, *Canis lupus*, on Wolverines, *Gulo gulo*, and an American Marten, *Martes americana*, in Alaska. *Canadian Field-Naturalist* 116:132-134.

23. Hundertmark, K. J., and C. C. Schwartz. 2002. Evaluation of bioelectrical impedance analysis as an estimator of body composition of moose. *Wildlife Society Bulletin*. 30:915-921.
22. **Spaeth, D. F.**, K. J. Hundertmark, R. T. Bowyer, P. S. Barboza, T. R. Stephenson, and R. O. Peterson. 2001. Incisor arcades of Alaskan moose: is dimorphism related to sexual segregation? *Alces* 37:217-226.
21. Stephenson, T. R., **J. A. Crouse**, K. J. Hundertmark, and M. A. Keech. 2001. Vitamin E, selenium, and reproductive losses in Alaskan moose. *Alces* 37:201-206.
20. **Stephenson, T. R.**, K. J. Hundertmark, C. C. Schwartz, and V. Van Ballenberghe. 1998. Prediction of body fat and body mass in moose with ultrasonography. *Canadian Journal of Zoology* 76:717-722.
19. Hundertmark, K. J. 1998. Home range, dispersal and migration. Pages 303-335 in A. W. Franzmann and C. C. Schwartz, eds. *Ecology and management of the North American moose*. Smithsonian Institution Press. Washington, D.C., USA.
18. Hundertmark, K. J. and C. C. Schwartz. 1998. Predicting body mass of Alaskan moose (*Alces alces gigas*) using body measurements and condition assessment. *Alces* 34:83-89.
17. Hundertmark, K. J., T. H. Thelen, and R. T. Bowyer. 1998. Effects of population density and selective harvest on antler phenotype in simulated moose populations. *Alces* 34:375-383.
16. Rodgers, A. R., S. M. Tomkiewicz, E. J. Lawson, **T. R. Stephenson**, K. J. Hundertmark, P. J. Wilson, B. N. White, and R. S. Rempel. 1998. New technology for moose management: a workshop. *Alces* 34: 239-244.
15. Schwartz, C. C., T. R. Stephenson, and K. J. Hundertmark. 1997. Xylazine immobilization of moose with yohimbine or tolazoline as an antagonist: a comparison to carfentanil and naltrexone. *Alces* 33:33-42.
14. Hundertmark, K. J., and C. C. Schwartz. 1996. Considerations for intensive management of moose in Alaska. *Alces* 32:15-24.
13. Schwartz, C. C., D. L. Harmon, K. J. Hundertmark, C. T. Robbins, and B. A. Lintzeñich. 1996. Carbohydrase activity in the pancreas and small intestine of moose and cattle. *Alces* 32:25-30.
12. **Stephenson, T. R.**, J. W. Testa, G. P. Adams, R. G. Sasser, C. C. Schwartz, and K. J. Hundertmark. 1995. Diagnosis of pregnancy and twinning in moose using ultrasonography and serum assay. *Alces* 31:167-172.
11. Schwartz, C. C., S. L. Monfort, P. H. Dennis, and K. J. Hundertmark. 1995. Fecal progesterone concentration as an indicator of the estrous cycle and pregnancy in moose. *Journal of Wildlife Management* 59:580-583.
10. Schwartz, C. C., K. J. Hundertmark, and E. F. Becker. 1994. Growth of moose calves conceived during the first versus second estrus. *Alces* 30:91-100.

9. Hundertmark, K. J., T. H. Thelen, and C. C. Schwartz. 1993. Genetic and population effects of selective harvest systems in moose: a modeling approach. *Alces* 29:225-234.
8. **Stephenson, T. R.**, K. J. Hundertmark, C. C. Schwartz, and V. Van Ballenberghe. 1993. Ultrasonic fat measurement of captive yearling bull moose. *Alces* 29:115-123.
7. Schwartz, C. C., and K. J. Hundertmark. 1993. Supplemental feeding of moose during winter: can hay serve as an emergency ration? *Alces* 29:135-147.
6. Schwartz, C. C., and K. J. Hundertmark. 1993. Reproductive characteristics of Alaskan moose. *Journal of Wildlife Management* 57:454-468.
5. Hundertmark, K. J., P. E. Johns, and M. H. Smith. 1992. Genetic diversity of moose from the Kenai Peninsula, Alaska. *Alces* 28:15-20.
4. Schwartz, C. C. K. J. Hundertmark, and T. H. Spraker. 1992. An evaluation of selective bull moose harvest on the Kenai Peninsula, Alaska. *Alces* 28:1-13.
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2. Hundertmark, K. J., W. L. Eberhardt, and R. E. Ball. 1990. Winter habitat use by moose in southeastern Alaska: implications for forest management. *Alces* 26:108-114.
1. Verts, B. J., S. D. Gehman, and **K. J. Hundertmark**. 1984. *Sylvilagus nuttallii*, a semiarboreal lagomorph. *Journal of Mammalogy* 65:131-135.

**ORAL AND POSTER PRESENTATIONS** (Underlined number = my presentation)

- 2016 121 Annual Meeting of the American Society of Mammalogists, Minneapolis, MN:  
Source-sink dynamics and barriers to gene flow in Alaska red foxes (with L. Goldsmith and K. Hueffer)
- 120 UAF Undergraduate Research Day, Fairbanks, AK: Exploring population dynamics of American marten in Interior Alaska (poster with E. Stacy and K. L. Nicholson)
- 119 Alaska Chapter of The Wildlife Society Annual Meeting, Anchorage, AK: Evaluating competition between humans and wolves in the Yukon Flats, AK by examining landscape use (poster with I. Johnson, T. Brinkman, and B. Lake)
- 118 UAF Undergraduate Research Day, Fairbanks, AK: Genetic diversity of spawning Chinook salmon in the Chena River (poster with A. Innterrante, A. Lopez, B. Huntsman, J. Falke, and J. Saveride)
- 117 Alaska Chapter of The Wildlife Society Annual Meeting, Anchorage, AK: Methods on finding the population structure of American marten in interior Alaska (poster with E. Stacy and K. L. Nicholson)
- 116 Alaska Chapter of The Wildlife Society Annual Meeting, Anchorage, AK: A practical guide to integrating social and ecological variables in one spatial model (with K. Jochum, T. Brinkman, and D. Gregovich)
- 115 International Bear Association Conference, Anchorage, AK: Biogeography of black (*Ursus americanus*) and brown (*U. arctos*) bears in a recently deglaciated landscape: Glacier Bay, Alaska (with T. Lewis, S. Pyare, R. Flynn, A. Crupi, and D. Paetkau)

- 2015 114 Annual Meeting of the Alaska Chapter of The Wildlife Society, Juneau, AK:  
Contemporary genetic structure of brown bears (*Ursus arctos*) in a recently deglaciated landscape: Glacier Bay, Alaska (with T. Lewis and S. Pyare)
- 113 Annual Meeting of the Alaska Chapter of The Wildlife Society, Juneau, AK:  
Quantifying rural hunter access in Alaska (with I Johnson, T. Brinkman, K. Britton, J. Kelly, K. Hundertmark, B. Lake, and D. Verbyla)
- 112 Murie Science and Learning Center, Denali National Park: Climate change and moose: winners or losers? (invited public presentation)
- 111 Annual Meeting of the Alaska Chapter of The Wildlife Society, Juneau, AK: Source-sink dynamics and barriers to gene flow in Alaska red foxes (with E. Goldsmith and K. Hueffer).
- 2014 110 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK:  
Female deer trade-off forage availability and fawn survival in a timber-harvested landscape (with S. Gilbert, M. Boyce, and D. Person) (invited presentation)
- 109 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK:  
Building social-ecological models of human bear encounter perceptions (with K. Jochum, T. Brinkman, A. Kliskey, and L. Allessa)
- 108 Alaska Center for Climate Assessment and Policy, Fairbanks, AK: Moose and caribou in the face of climate change: winners or losers? (invited webinar)
- 107 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK:  
Evaluating competition between humans and wolves by examining landscape use (poster with I. Johnson, T. Brinkman, and B. Lake)
- 106 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK:  
Population boundaries and the subspecific divide in south-east Alaskan moose (with K. Colson and K. White)
- 105 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK:  
Arctic fox population structure predicts distribution of strains of rabies in Alaska (with E. Goldsmith and K. Hueffer)
- 104 99<sup>th</sup> Annual Conference of the Ecological Society of America, Sacramento, CA: Fawn survival or forage? Effects of reproductive stage on behavioral trade-offs for female deer in Alaska (with S. Gilbert, M. Boyce, and D. Person)
- 103 7<sup>th</sup> Western Alaska Interdisciplinary Science Conference, Kotzebue, AK: Arctic fox population structure predicts distribution of strains of rabies in Alaska (with E. Goldsmith and K. Hueffer)
- 102 48<sup>th</sup> North American Moose Conference and Workshop, Girdwood, AK: Population boundaries and the subspecific divide in south-east Alaskan moose (with K. Colson and K. White)
- 101 48<sup>th</sup> North American Moose Conference and Workshop, Girdwood, AK: Evaluating competition between humans and wolves by examining landscape use (poster with I. Johnson, T. J. Brinkman, and B. Lake)

- 100 21<sup>st</sup> National Meeting of The Wildlife Society, Pittsburgh, PA: Genetic population structure of two rabies hosts in Alaska (with E. Goldsmith, E. Hirsch, C. J. Clements, B. Renshaw, and K. Hueffer)
- 99 2014 Ecology of Glacier Forelands Workshop/Conference, Obergurgl, Austria: Terrestrial thermal dynamics and associated constraints on the behavior of mountain goats (*Oreamnos americanus*) in southeast Alaska (with J. Frederick, S. Pyare, K. White, and T. Brinkman)
- 98 63<sup>rd</sup> Annual International Conference of the Wildlife Disease Association, Albuquerque, NM: Population structure of Arctic foxes (*Vulpes lagopus*) in Alaska is correlated with geographically restricted strains of rabies virus (with E. Goldsmith and K. Hueffer)
- 97 Conference on Rabies in America (RITA), Mexico City, Mexico: Genetic population structure of two rabies hosts in Alaska (with K. Hueffer, E. Goldsmith, E. Hirsch, C. J. Clements, and B. Renshaw)
- 96 99<sup>th</sup> Annual Conference of the Ecological Society of America, Sacramento, CA: Fear, forage and fawns: Reproductive status determines response of adult female deer to bear and wolf predation risks in Southeast Alaska (with S. L. Gilbert, D. Person, and M. Boyce)(invited presentation)
- 2013 95 11<sup>th</sup> International Mammalogical Congress, Belfast, Northern Ireland; The impact of glacial refugia and human intervention on genetic diversity and spatial structure of European moose (*Alces alces*) (with M. Niedzialkowska, B. Jedrzejewska, and K. Niedzialkowski)
- 94 93<sup>rd</sup> Annual Meeting of the American Society of Mammalogists, Philadelphia, PA: Conservation genetics of ungulates: how far we've come (invited presentation)
- 93 93<sup>rd</sup> Annual Meeting of the American Society of Mammalogists, Philadelphia, PA: Population dynamics of a forest ungulate respond to winter severity and habitat alteration (with S. Gilbert and D. Person)
- 92 20<sup>th</sup> Annual Meeting of The Wildlife Society, Milwaukee, WI: Fawn survival in a variable environment drives population growth rate (with S. Gilbert and D. Person)
- 91 26<sup>th</sup> Annual Meeting of the Society for Conservation Biology, Baltimore, MD: Population dynamics of a forest ungulate respond to timber harvest and climate (with S. Gilbert and D. Person)
- 90 Seminar presented to the Laboratory of Alpine Ecology, Joseph Fourier University, Grenoble, France: Population structure and hybridization of Alaskan caribou and reindeer: integrating genetics and local knowledge (with K. Mager, K. Colson, and P. Groves)
- 89 10<sup>th</sup> Biennial Western States and Provinces Deer and Elk Workshop, Missoula, MT: Population dynamics of a forest ungulate respond to timber harvest and climate (with S. Gilbert and D. Person)

- 88 Annual Meeting, Region I, Division of Wildlife Conservation, Alaska Department of Fish and Game, Douglas, AK: Effects of climate and habitat on population dynamics of a forest ungulate (with S. Gilbert and D. Person)
- 87 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, AK: Spatial patterns affecting positive versus negative perceptions of human-bear encounters (with K. Jochum, A. Kliskey, D. Lisitsyn, and L. Allessa)
- 86 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, AK: Birth timing, synchrony, and neonatal survival in a cryptic forest ungulate: the importance of detection method for estimation (with S. Gilbert, D. Person, and M. Lindberg)
- 85 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, AK: Fine-scale structure of calving locations from natal philopatry in moose (with K. Colson and K. White)
- 84 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, AK: Population structure of two rabies hosts in Alaska (with E. Goldsmith, C. Clements, E. Himschoot, B. Renshaw, and K. Hueffer)
- 83 The Midnight Sun Science Symposium, University of, Fairbanks, AK: Spatial patterns affecting positive versus negative perceptions of human-bear encounters (with K. Jochum, A. Kliskey, D. Lisitsyn, and L. Allessa)
- 82 Arktis PhD Network at the Arctic Centre, Roaniemi, Finland: Reindeer-caribou hybridization in Alaska: integrating genetics and local knowledge (invited presentation with K. Mager and K. Colson)
- 81 Conference of Research Workers in Animal Disease, Ft. Collins, CO: Population structure of two rabies hosts in Alaska (with E. Goldsmith, C. Clements, E. Himschoot, B. Renshaw, and K. Hueffer)
- 2012 80 XXIII RITA (International Conference on Rabies in America), Sao Paulo, Brazil: Population structure of two rabies hosts in Alaska (with E. Goldsmith, K. Hueffer, E. Himschoot, and C. Clement)
- 79 7<sup>th</sup> International Moose Symposium, Bialowieza, Poland: Moose and climate change: will they be winners or losers? Invited plenary presentation (with T. Brinkman)
- 78 7<sup>th</sup> International Moose Symposium, Bialowieza, Poland: Factors shaping genetic diversity of moose in Poland. (with M. Niedzialkowska et al.)
- 77 7<sup>th</sup> International Moose Symposium, Bialowieza, Poland: Social structure and habitat preferences of moose population in Biebrza National park Poster (with T. Borowik et al.)
- 76 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Population and landscape genetics of brown bears in a recently deglaciated fjord: Glacier Bay, Alaska. Poster (with T. Lewis and S. Pyare)
- 75 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Migration and dispersal in a risky landscape. Poster (with K. Colson)

- 74 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Understanding human-bear encounters and bear management from a local perspective in Northern urbanizing regions. (with K. Jochum, A. Kliskey, L. Alessa, and D. Lisitsyn)
- 73 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Genetic population structure of Alaskan caribou (*Rangifer tarandus granti*) at multiple spatial scales: influences of geography, demography, and ecotype. (with K. Mager, K. Colson, and P. Groves)
- 72 Midnight Sun Science Symposium, University of Alaska Fairbanks: Genetic population structure of Alaskan caribou (*Rangifer tarandus granti*): influences of geography, demography, and ecotype. (with K. Mager, P. Groves, and K. Colson)
- 71 Pathways to success conference: integrating human dimensions into fish and wildlife management Breckenridge, CO: : Understanding human-bear encounters and human management from a local perspective in two Northern urbanizing regions across the Pacific Rim. (with with K. Jochum, A. Kliskey, L. Allessa, and D. Lisitsyn)
- 2011 70 Deer and People: Past, Present, and Future, Lincoln, UK: Population structure of Alaskan caribou and introgression with reindeer. Invited presentation. (with K. Mager and K. Colson)
- 69 International Conference on Landscape Genetics, Bialowieza, Poland: Spatial autocorrelation reveals social structure in Sitka black-tailed deer. (with T. Brinkman, D. Person, and K. Colson)
- 68 18<sup>th</sup> Annual Conference of The Wildlife Society, Kona, Hawaii: Were Harris and Riney wrong? On the sequential use of fat depots in moose. (poster with C. Schwartz)
- 67 18<sup>th</sup> Annual Conference of The Wildlife Society, Kona, Hawaii: 18<sup>th</sup> Annual Conference of The Wildlife Society, Kona, Hawaii: Reindeer-caribou interactions: local knowledge and the genetic identity of Alaska's North Slope herds. (with K. Mager and K. Colson)
- 66 18<sup>th</sup> Annual Conference of The Wildlife Society, Kona, Hawaii: Mountain goat survival in coastal Alaska: effects of age, sex and climate. (with K. White, G. Pendleton, D. Crowley, H. Griese, T. McDonough, L. Nichols, M. Robus, C. Smith, and J. Schoen)
- 65 18<sup>th</sup> Annual Conference of The Wildlife Society, Kona, Hawaii: Resource selection in risky landscapes: male deer in Southeast Alaska. Poster (with S. Gilbert and D. Person)
- 64 Annual Meeting of the Alaska Chapter of The Wildlife Society, Juneau, AK: Resource selection in risky landscapes for male deer in Southeast Alaska. (with S. Gilbert and D. Person)
- 63 Annual Meeting of the Alaska Chapter of The Wildlife Society, Juneau, AK: Reindeer-caribou interactions and the genetic identify of North Slope herds. (with K. Mager and K. Colson)
- 62 Annual Meeting of the Society for Integrative and Comparative Biology, Salt Lake City, UT: Assessing distribution and structure of unexploited snow crab populations in Alaskan waters. (with S. Hardy, G. Albrecht, F. Huetmann, R. Konakanchi, M. Lindgren, B. Bluhm, and J.-M. Sevigny)

- 61 Alaska Marine Science Symposium, Anchorage, AK: Defining genetic population structure of snow crab (*Chionoecetes opilio*) in the Bering, Chukchi and Beaufort Seas (with G. Albrecht, S. Hardy, and A. Lopez)
- 60 Rasmussen Fisheries Research Center, Anchorage, AK: Defining genetic population structure of snow crab (*Chionoecetes opilio*) in the Bering, Chukchi and Beaufort Seas (with G. Albrecht, S. Hardy, and A. Lopez)
- 59 Interagency Alaska Crab Meeting, Anchorage, AK: Defining genetic population structure of snow crab (*Chionoecetes opilio*) in the Bering, Chukchi and Beaufort Seas (with G. Albrecht, S. Hardy, and A. Lopez)
- 2010 58 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Life history and climate effects on mountain goat survival in coastal Alaska. (with K. White, G. Pendleton, D. Crowley, H. Griese, T. McDonough, L. Nichols, M. Robus, C. Smith, and J. Schoen)
- 57 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Fine-scale population structure of Sitka black-tailed deer on Prince of Wales Island (with K. Colson, T. Brinkman, and D. Person)
- 56 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Population structure and genetic history of *Rangifer* in southwest Alaska. Poster (with K. Colson and K. Mager)
- 55 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, AK: Genetic differentiation of caribou herds and reindeer in northern Alaska. Poster (with K. Mager and K. Colson)
- 54 BIOSEB Summer School in Ecology and Biodiversity: Understanding Patterns and Processes, Bialowieza, Poland. Genetic diversity of northern species in the face of climate change: lessons from the last Ice Age. Invited presentation.
- 53 BIOSEB Summer School in Ecology and Biodiversity: Understanding Patterns and Processes, Bialowieza, Poland. Genetic diversity of caribou in Alaska and hybridization with reindeer. Poster (with K. Mager and K. Colson)
- 52 Marie Curie Fellowship Lecture, Mammal Research Institute, Polish Academy of Science, Bialowieza, Poland: Group dynamics, sexual segregation, and habitat use by moose in Biebrza National Park, Poland. (with T. Borowik, B. Jerdrzejewska, W. Jerdrzejewski, and M. Gorny)
- 51 Marie Curie Fellowship Lecture, Mammal Research Institute, Polish Academy of Science, Bialowieza, Poland: Founder effects and bottlenecks in large-mammal translocations in Alaska. (with L. van Daele)
- 50 Marie Curie Fellowship Lecture, Mammal Research Institute, Polish Academy of Science, Bialowieza, Poland: Historical effects of climate change on moose distribution, demography, and genetic diversity.
- 49 Marie Curie Fellowship Lecture, Department of Biology and Earth Sciences, Jagiellonian University, Krakow, Poland: Historical effects of climate change on moose distribution, demography, and genetic diversity. Invited presentation.

- 48 Marie Curie Fellowship Lecture, Department of Biology, Bialystok University, Bialystok, Poland: Historical effects of climate change on moose distribution, demography, and genetic diversity. Invited presentation.
- 47 Marie Curie Fellowship Lecture, Mammal Research Institute, Polish Academy of Science, Bialowieza, Poland: Using genetics to aid wildlife and forest managers: estimating deer abundance in southeast Alaska. (with T. Brinkman, and D. Person)
- 46 Alaska Chapter of the American Fisheries Society, Juneau, AK: Genetic population structure of snow crab (*Chionoecetes opilio*). (with G. Albrecht and S. Hardy)
- 45 Coastal Marine Insitute, Fairbanks, AK: Defining genetic population structure in snow crab. (with G. Albrecht and S. Hardy)
- 44 Alaska Marine Science Symposium, Anchorage, AK: Genetic population structure of snow crab (*Chionoecetes opilio*) in the Bering, Chukchi and Beaufort Seas (poster presentation with G. Albrecht and S. Hardy)
- 43 Interagency Alaska Crab Meeting, Anchorage, AK: Genetic population structure of snow crab (*Chionoecetes opilio*) in the Bering, Chukchi and Beaufort Seas (poster presentation with G. Albrecht and S. Hardy)
- 2009 42 45<sup>th</sup> North American Moose Conference and Workshop, Pocatello, Idaho: “Would a moose by any other name smell as sweet: genetics, taxonomy, and why there is only one species of moose.” Invited capstone presentation.
- 41 89<sup>th</sup> Annual Meeting of the America Society of Mammalogists, Fairbanks, Alaska: “Genetics and taxonomy of moose: one or two species?” (with R. T. Bowyer)
- 40 89<sup>th</sup> Annual Meeting of the America Society of Mammalogists, Fairbanks, Alaska: “Lousy wolves: Distribution of *Trichodectes canis*, an invasive ectoparasite of Alaska gray wolves” Poster (poster with T. M. Woldstad, K. Beckmen, and C. Gardner)
- 39 89<sup>th</sup> Annual Meeting of the America Society of Mammalogists, Fairbanks, Alaska: “Influence of sex, age and winter severity on mountain goat survival in coastal Alaska” Poster (poster with K. White et al.)
- 38 89<sup>th</sup> Annual Meeting of the America Society of Mammalogists, Fairbanks, Alaska: “Estimating deer density in Alaska using DNA from fecal pellets” (with T. Brinkman and D. Person)
- 37 89<sup>th</sup> Annual Meeting of the America Society of Mammalogists, Fairbanks, Alaska: “Fine-scale genetic structure of a large ungulate in Alaska” (with K. Colson, T. Brinkman, and D. Person)
- 36 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, Alaska: “DNA-based estimates of deer density in southeast Alaska.” (with T. Brinkman and D. Person)
- 35 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, Alaska: “Distribution of *Trichodectes canis* within Alaska: an invasive ectoparasite of Alaska gray wolves.” (with T. Woldstad, K. Beckmen, and C. Gardner)

- 34 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, Alaska: “Sex identification of northern ungulates using low quality and quantity DNA” (poster with T. Brinkman)
- 33 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, Alaska: “Genetic assignment of caribou and reindeer” (poster with K. Colson)
- 32 Annual Meeting of the Alaska Chapter of The Wildlife Society, Fairbanks, Alaska: “Lousy wolves: habitat assessment and predictive distribution modeling for *Trichodectes canis* within Alaska gray wolves” (poster with T. Woldstad, K. Beckmen, C. Gardner, and F. Huetmann)
- 31 39<sup>th</sup> Annual International Arctic Workshop, Lewiston, Maine: “Tracking ecological change from earliest human arrival in Alaska to the present: the Quartz Lake-Shaw Creek Flats multidisciplinary project.” (poster with D. Klein et al.)
- 2008 30 6<sup>th</sup> International Moose Symposium, Yakutsk, Russia: “Historical effects of climate change on moose distribution, demography, and genetic diversity.” (invited presentation)
- 29 6<sup>th</sup> International Moose Symposium, Yakutsk, Russia: “Population structure and genetic diversity of moose in Alaska.” (with J. Schmidt, K. McCracken, and R. T. Bowyer)
- 28 Annual Meeting of the Alaska Chapter of The Wildlife Society, Anchorage, Alaska: “Dynamics of lipid reserves in moose.” (with T. Stephenson and C. Schwartz)
- 2007 27 Annual Meeting of the Alaska Chapter of The Wildlife Society, Juneau, Alaska: “Founder effect in an introduced population of elk.” (with L. Van Daele)
- 2005 26 9<sup>th</sup> International Mammalogical Congress (formerly International Theriological Congress), Sapporo, Japan (invited presentation): “Life history strategies, morphology and phylogenetics of tahr (*Hemitragus* spp.): evolutionary convergence of 3 taxa.” A contribution to a symposium entitled “Large mammals: landscapes and life histories.”
- 25 12<sup>th</sup> Annual Conference of The Wildlife Society, Madison, Wisconsin: “When is a tahr not a tahr? systematics, taxonomy and conservation of a little-known group of mountain ungulates.
- 2004 24 3<sup>rd</sup> Annual Meeting of the Africa and Middle East Section of the Wildlife Disease Association, Abu Dhabi, United Arab Emirates: “Molecular characterization of *Brucella* infecting Arabian sand gazelle (*Gazella subgutturosa marica*) in Saudi Arabia” (with OB Mohammed, SA Omer and WV Macasero)
- 23 3<sup>rd</sup> Annual Meeting of the Africa and Middle East Section of the Wildlife Disease Association, Abu Dhabi, United Arab Emirates: “Inbreeding increases mortality in captive gazelles” (poster; with GI Hobbs)
- 22 18<sup>th</sup> Annual Meeting of the Society for Conservation Biology, New York, New York: “Phylogenetics, taxonomy and conservation of tahr”
- 21 84<sup>th</sup> Annual Meeting of the American Society of Mammalogists, Arcata, California: “Historical range expansion and demographics of moose: a role for Holocene climate reversals?”

- 2003 20 1<sup>st</sup> International Conservation Genetics Conference, American Genetic Association, Front Royal, Virginia: “Population structure, conservation units and taxonomy of mountain gazelles”
- 2002 19 5<sup>th</sup> International Moose Symposium [invited presentation], Hafjell, Norway: “Evolution and genetics of moose”
- 18 53<sup>rd</sup> AAAS Arctic Science Conference, Fairbanks, Alaska [invited presentation]: “Colonization of North America by moose: a phylogeographic perspective”
- 2001 17 Ph.D. dissertation defense, University of Alaska Fairbanks: “Phylogeography of moose (*Alces alces*): genetic signatures of population history”
- 16 81<sup>st</sup> Annual Meeting, American Society of Mammalogists, Missoula, Montana: “Mitochondrial phylogeography of moose (*Alces alces*): late Pleistocene divergence and population expansion” (with G. F. Shields and R. T. Bowyer)
- 15 52<sup>nd</sup> AAAS Arctic Science Conference, Anchorage, AK: “Mitochondrial phylogeography of moose (*Alces alces*): late Pleistocene divergence and population expansion” (with G. F. Shields and R. T. Bowyer)
- 14 52<sup>nd</sup> AAAS Arctic Science Conference, Anchorage, AK: “Founder effect in a translocated population of elk” (with L. Van Daele)
- 2000 13 36<sup>th</sup> North American Moose Conference and Workshop, Whitehorse, YT: “Phylogeography of North American Moose” (with G. F. Shields and R. T. Bowyer)
- 12 36<sup>th</sup> North American Moose Conference and Workshop, Whitehorse, YT: “Dynamics of lipid reserves in moose” (poster with C. C. Schwartz)
- 1999 11 35<sup>th</sup> North American Moose Conference and Workshop, Grand Portage, MN: “Spike-fork/50” revisited: Biological analysis of selective harvest in 4 areas of Alaska” (with D. Fulton, G. Del Frate, M. Masteller, and B. Tobey)
- 1998 10 Euro-American Mammal Congress (invited presentation), Santiago de Compostela, Spain: “Phylogeography of North American moose: evidence for a new theory of colonization” (with G. F. Shields and R. T. Bowyer)
- 1997 9 4<sup>th</sup> International Moose Symposium, Fairbanks, Alaska: “Effect of population density and selective harvest on antler phenotype in simulated moose populations” (with T. Thelen and R. T. Bowyer)
- 8 4<sup>th</sup> International Moose Symposium (invited presentation), Fairbanks, Alaska: “Application of genetic techniques to moose management” presented as part of “New technology for moose management: a workshop”
- 1995 7 31<sup>st</sup> North American Moose Conference and Workshop, Fundy National Park, New Brunswick: “Considerations for intensive management of moose in Alaska”
- 1993 6 University of Alaska Fairbanks graduate seminar: “Genetic investigations of moose” (with C. C. Schwartz and T. Thelen)
- 5 University of Alaska Fairbanks graduate lecture on wildlife nutrition: “Models and methods for estimating body composition in wildlife”

- 4 29<sup>th</sup> North American Moose Conference and Workshop, Bretton Woods, New Hampshire: “Genetic and population effects of selective harvest systems in moose: a modeling approach” (with T. Thelen and C. C. Schwartz)
- 1992 3 Alaska Biodiversity Conference, Anchorage, Alaska: “Managing to ensure viable wildlife populations and habitats in Alaska”
- 2 28<sup>th</sup> North American Moose Conference and Workshop, Algonquin Park, Ontario: “Genetic variability of moose on the Kenai Peninsula, Alaska” (with M. H. Smith)
- 1 28<sup>th</sup> North American Moose Conference and Workshop, Algonquin Park, Ontario: “Urinary chemistry profiles of supplementally fed moose” (with G. DelGiudice, U. Seal, and C. C. Schwartz)