Cristina M. Hansen, DVM, Ph.D.

Department of Veterinary Medicine, University of Alaska Fairbanks 178 Arctic Health Research Building, 2141 Koyukuk Dr. Fairbanks, AK 99775 cmhansen@alaska.edu, (907)474-1504

Education

2015 Doctor of Philosophy in Biological SciencesThesis: "Novel Methods for Disease Surveillance in Wildlife"University of Alaska Fairbanks

2007 Doctor of Veterinary Medicine with high honors University of Illinois at Urbana-Champaign

2003 Bachelor of Science in Animal Science with highest honors University of Illinois at Urbana-Champaign

Current Employment:

2022-Present: **Department Chair** – Department of Veterinary Medicine; University of Alaska Fairbanks, Fairbanks, Alaska

- Ensure high quality delivery of veterinary medicine curriculum
- Manage department staff, run department meetings, etc.
- Liaise with CSU College of Veterinary Medicine Associate Dean and with the UAF Dean of the College of Natural Science and Mathematics

2020-Present: **Assistant Professor of Physiology** – Department of Veterinary Medicine, University of Alaska Fairbanks, Fairbanks, Alaska

- Research interests include sled dog physiology and wildlife infectious diseases
- Course coordinator for DVM 603 (Veterinary Science and Research Methods; 1 credit hour), DVM 618 (Veterinary Physiology and Histology; 7 credit hours), DVM 637 (Veterinary Bacteriology and Mycology; 2 credit hours), DVM 777 (Strategies for Establishing and Maintaining Well-being in the Veterinary Profession; 1 credit hour), WLF 305 (Wildlife Diseases; every-other fall; 3 credit hours)
- UAF Molecular Imaging Facility core veterinarian
- Mentor to veterinary and undergraduate students

2021-2024: **Head Veterinarian** – Yukon Quest Alaska Sled Dog Races, Fairbanks, Alaska

- Oversees all aspects of the Yukon Quest Alaska veterinary program
- Responsible for recruiting, training, and educating a 6-8 person veterinary team that provides monitoring and care for 300+ sled dogs over the course of the race
- Ensures that mushers practice high standards of dog care as per the Yukon Quest Alaska rules
- Other duties include maintaining inventory, organizing vet team logistics and movement, and media relations
- This job is full-time for 10 days each February, and involves sporadic work between June-March each year

2014-2020: **Head Veterinarian** – Yukon Quest International Sled Dog Race, Fairbanks, Alaska

- Oversees all aspects of the Yukon Quest veterinary program
- Responsible for recruiting, training, and educating a 12-15 person veterinary team that provides monitoring and care for 600+ sled dogs over the course of the race
- Ensures that mushers practice high standards of dog care as per the Yukon Quest rules
- Other duties include maintaining inventory, organizing vet team logistics and movement, and media relations
- This job is full-time for 3 weeks each February, and involves sporadic work between June-March each year

Past Employment

2015-Present: **Postdoctoral Instructor and Researcher** – Department of Veterinary Medicine, University of Alaska Fairbanks, Fairbanks, Alaska

- Principal investigator of a BLaST faculty pilot project with the aims of documenting and characterizing *Leptospira interrogans* in caribou and reindeer
- Course coordinator for DVM 618, Veterinary Physiology and Histology, a 7 credit professional veterinary course
- Co-instructor for four Foundations in Veterinary Medicine courses (DVM 610, 611, 710, and 711; 1 credit each)
- UAF Molecular Imaging Facility core veterinarian
- Mentor to undergraduate and veterinary students

2013-2015: **Graduate Research Assistant** – Department of Biology and Wildlife, University of Alaska Fairbanks, Fairbanks, Alaska

• This RA was awarded as a thesis completion fellowship

2013-2014 (summers): **Graduate Research Assistant** – Alaska Cooperative Fish and Wildlife Research Unit, Fairbanks, Alaska

- Spent these summers working for and with the USGS on embryo mortality in greater white-fronted geese
- Spent 2 weeks in a field camp on the Arctic coast in 2013 and 5 weeks at the same field camp in 2014 collecting nonviable eggs

2012-2014: **Graduate Teaching Assistant** – Department of Biology and Wildlife, University of Alaska Fairbanks, Fairbanks, Alaska

 Taught 3 semesters of animal physiology, and 1 each of human nutrition, cell biology, and genetics

2010-2012: **INBRE Doctoral Fellow** – Department of Biology and Wildlife, University of Alaska Fairbanks, Fairbanks, Alaska

- I was awarded the inaugural fellowship and it supported the first 2 years of my PhD
- Performed work on chapters 1, 2, and 4 of my thesis: "Tularemia in Alaska, 1938-2010", "Development and implementation of a broad-based polymerase chain

reaction surveillance method for bacterial DNA in Alaskan wildlife tissues", and "Use of cellulose filter paper to quantity whole blood mercury in two marine mammals: validation study"

2007-2010: **Associate Veterinarian** – Mt. McKinley Animal Hospital, Fairbanks, Alaska

- Was hired immediately out of vet school by this busy clinic
- Performed physical exams, surgeries, and anesthesia. Interpreted diagnostic tests, diagnosed disease, and prescribed medications. Most work was by appointment, but did frequently see daytime and after hours emergencies.
- Saw a wide breadth of species including dogs, cats, birds (wild and domestic), pocket pets (guinea pigs, rats, mice, hamsters, etc.), reptiles, and amphibians.

Licensing and Certifications

2016-present: USDA Designated Accredited Veterinarian

• Legally able to perform tuberculosis tests on cervidae (deer)

2007-present: Licensed veterinarian in the state of Alaska

• License #V571

2007-present: USDA National Veterinary Accreditation Program, Category II

• Accreditation #028012

2007-present: Drug Enforcement Agency controlled substance registration

• Schedules 2, 2N, 3, 3N, 4, 5

Additional Training

- 2014 Alaska Department of Fish and Game Division of Wildlife Conservation Wildlife Chemical Immobilization Course
- 2011 Centers for Disease Control and Prevention training course in rapid immunohistochemistry for the detection of rabies virus antigen (DRIT test)
- 2004 EnviroVet Summer Institute in Terrestrial and Aquatic Wildlife and Ecosystem Health

Grants and Fellowships

2025 Evaluation of Furvor Bone Broth as a hydration aid in working dogs, \$10,000

- Non-competitive contract proposal, owner of supplement company desires to fund this with me as PI based on my sled dog background
- 2025 UAF Troth Yeddha' Fellowship award for PhD student Pouya Reshadi, \$47,720
 - Part of UAF's push to become an R1 institution
 - Advisor applies for this award, is selected based on mentorship potential, track record, student caliber, and research plan
 - Will provide RA support to this PhD student for 1 year
- 2023 United States Department of Agriculture American Rescue Plan FAIN: AP230A00000C014, \$3,354,417
 - "SARS-CoV-2 Participatory Animal Surveillance in Alaska (SPASAK)"
 - Sarah Olson (Wildlife Conservation Society) is the PI, I am a co-investigator and will lead UAF's participation
 - UAF sub-award \$154,486

- 2020 American Kennel Club Canine Health Foundation Acorn Grant: No. 02849-A, \$15,000
 - "Development and validation of a new body condition scoring system for use in canine athletes"
- 2017 UAF BLaST Faculty Pilot Project: RL5GM118990, \$60,000
 - "Surveillance for and characterization of Leptospirosis in Alaskan caribou and reindeer"
- 2017 UAF BLaST Equipment Grant: UL1GM118991, \$7,455
 - For the purchase of a VetScan iSTAT 1 portable clinical analyzer and cartridges
- 2014 Alaska INBRE Graduate Research Assistantship ~\$25,000
 - For thesis completion
- 2010 Alaska INBRE Doctoral Fellowship ~\$100,000
 - For support of the first two years of graduate school
- 2006 Morris Animal Foundation Veterinary Student Fellowship: \$5,000
 - "Effect of field anesthesia and cold storage on blood cholinesterase activity in Alaskan caribou"
- 2005 Program in Conservation, Wildlife Population Medicine, and Ecosystem Health: \$4,000
 - Performed a herd health assessment on the North Alaska Peninsula caribou herd
- 2001 Jonathan Baldwin Turner Undergraduate Research Award: \$1,000
 - "Caspase-3 activity is increased during both stretch-induced hypertrophy and muscle atrophy in chicken muscle"

Honors and Awards

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2019	Joel Switzer Volunteer of the Year Award - Copper Basin 300 Sled Dog Race	
2014	Wildlife Disease Association Graduate Student Research Recognition Award	
2014	UAF Midnight Sun Science Symposium 2nd best talk	
2013	UAF Midnight Sun Science Symposium best talk	
2012	Alaska ASM student oral presentation award	
2007	1st Place: American Board of Vet. Toxicology Student Manuscript Competition	
2007	Merck Veterinary Manual Award	
2007	Alice H. Fruit Memorial Award	
2006	Inducted into Phi Zeta honor society of veterinary medicine	
2006	Dr. Richard E. Dierks Veterinary Alumni Scholarship	
2003	Orville G. Bentley Outstanding Undergraduate Research Award	
2003	University of Illinois Bronze Tablet (Top 3% of graduating class)	
2001-03	American Society for Animal Science Undergraduate Award	
1999-2003	University of Illinois' Chancellor's Scholar and James Scholar	
1999-2003	Jonathan Baldwin Turner Scholarship	
1999	Huntley High School Valedictorian	

Teaching Activities

2024-present: **DVM 637 – Veterinary Bacteriology and Mycology**, UAF Department of Veterinary Medicine

- Course coordinator and lead instructor
- 2 credit hours, 14 students

2024: **DVM 623 – Veterinary Nutrition and Metabolism** – UAF Department of Veterinary Medicine

- Course coordinator, delivered 2 lectures in person. Other lectures delivered remotely by CSU nutrition faculty.
- 2 credit hours, 14 students

2023-present: **DVM 603 – Veterinary Science and Research Methods** – UAF Department of Veterinary Medicine

- Course coordinator, lead instructor. Arranged for many guest speakers in various field of veterinary research
- 1 credit hour, 14 students

2023-present – **DVM 777 – Strategies for Establishing and Maintaining Well-being in the Veterinary Profession**, UAF Department of Veterinary Medicine

- Course coordinator and co-instructor (1 of 3)
- 1 credit hour elective, 8 students
- The teaching team for this course re-built it in 2023 after it had not been taught for several years

2023: **DVM 638 - Veterinary Parasitology** - UAF Department of Veterinary Medicine

- Filled in to coordinate this course for one semester while a hire was in progress
- Coordinated delivery of distance content only, sat in on most lectures and all recitations
- 2 credit hours, 14 students

2024: **WLF 697 – The Molecular Diagnosis of Wildlife Diseases** – UAF Department of Biology and Wildlife

- Arranged this individual study for MS Student Tabitha Page, as B&W had limited graduate course options for her
- 3 credit hours, 1 student

2022-present: WLF 305 - Wildlife Diseases, UAF Department of Biology and Wildlife

- Lead instructor, course taught fall of even-numbered years
- 3 credit hours, 8 30 students
- Developed course from scratch after several years of not being taught

2020-2022: **DVM 733 - Principles of Surgery**, UAF Department of Veterinary Medicine

- Course coordinator and instructor
- 2 credit hours, 14 students
- Coordinated distance delivery of lectures (with CSU), instruct 3 hands-on recitations in person, co-instruct remaining 4 hands-on recitations in conjunction with distance delivery from CSU

2017-present: **DVM 618 – Veterinary Physiology and Histology,** UAF Department of Veterinary Medicine

- Course coordinator and lead instructor
- 7 credit hours, 14 students
- Developed new curriculum for this course and aligned it with DVM 616 (Veterinary Anatomy)
- Along with the DVM 616 instructor, pioneered a combined veterinary anatomy/physiology project that requires students to integrate what they learn in

anatomy with what they learn in physiology. This project grade is applied toward their grade in each respective course.

2015-2022: **DVM 610 – Foundations in Veterinary Medicine I,** UAF Department of Veterinary Medicine

- Co-Instructor for small animal portions of this course, including small animal physical exam and medical history taking
- 1 credit hour, 14 students

2015-2022: **DVM 611 – Foundations in Veterinary Medicine II**, UAF Department of Veterinary Medicine

- Co-Instructor for small animal portions of this course, including surgical skills and venipuncture using simulators
- 1 credit hour, 14 students

2015-2022: **DVM 710 – Foundations in Veterinary Medicine III,** UAF Department of Veterinary Medicine

- Co-Instructor for small animal portions of the course, including advanced physical exam skills (ophthalmology, dermatology), suturing, and client communication
- 1 credit hour, 14 students

2015-2022: **DVM 711 – Foundations in Veterinary Medicine IV,** UAF Department of Veterinary Medicine

- Co-Instructor for small animal portions of the course, including case management, patient care, and critical thinking
- 1 credit hour, 14 students

2015-2016: **DVM 625 – Principles of Diagnostic Imaging,** UAF Department of Veterinary Medicine

- Course coordinator for this distance delivered (via Colorado State University) course
- 2 credit hours, 10 students

2017: **DVM 726 – Principles Imaging Interpretation I,** UAF Department of Veterinary Medicine

- Course coordinator for this distance delivered (via Colorado State University) course
- 2 credit hours, 10 students

2012-2014 fall semesters: **BIOL 310 – Animal Physiology**, UAF Department of Biology and Wildlife

- Teaching assistant, taught two 3-hour lab sections each week on topics such as cardiovascular physiology, respiratory physiology, and exercise physiology
- 4 credit hours, 40 students

2013 spring semester: **BIOL 261 – Intro to Cell and Molecular Biology**, UAF Department of Biology and Wildlife

- Teaching assistant, taught two 3-hour lab sections each week
- Created a series of 3 DNA labs from scratch: DNA extraction and real-time PCR, real-time PCR data analysis, and Sanger sequencing data interpretation
- Nominated for Biology and Wildlife teaching assistant of the year by the course instructor (Andrej Podlutsky)
- 4 credit hours, 30 students

2014 spring semester: **BIOL 120 – Intro to Human Nutrition**, UAF Department of Biology and Wildlife

- Teaching assistant, taught two 3-hour lab sections each week
- Created a foodborne disease outbreak lab and a 90-minute food safety lecture from scratch
- 4 credit hours, 30 students

2014 fall semester: **BIOL 260 – Principles of Genetics,** UAF Department of Biology and Wildlife

- Teaching assistant, taught one 3-hour lab section each week
- 4 credit hours, 20 students

Graduate Students advised

Joe Taylor - MS Wildlife Conservation. Started summer 2024.

- Funded by Wildlife Conservation Society RA via a subaward from USDA grant (see grants and fellowships)
- Is on track to graduate spring or summer 2026
- Presested poster of preliminary results at 2024 ISDVMA (International Sled Dog Veterinary Medical Association) symposium in Kiruna, Sweden

Tabitha Page - MS Wildlife Conservation. Started fall 2023.

- Funded on Biology and Wildlife TAships
- Passed comprehensive exam, on track to graduate summer 2025
- Was awarded an IAB fellowship for summer 2024
- Won a Terry Amundson Student Presentation Award

Graduate student committees

Garrett Savory, PhD student biological sciences, UAF Soren George-Nichol, PhD student biological sciences, UAA/UAF

Veterinary student mentoring in research

Sarah Hinman – UAF/CSU class of 2027

• Was awarded Morris Animal Foundation Veterinary Student Fellowship in summer 2024 to begin work on a neonatal reindeer clinical pathology project

Rivers Leverett – CSU veterinary medicine class of 2025

- Spent summer of 2023 working on *Bartonella* surveillance in sled dogs, manuscript is in preparation
- Funded by a Morris Animal Foundation Veterinary Student Fellowship

Alea Robinson and Jessi Lillo – UAF/CSU veterinary medicine class of 2024

- Both students came in the field with me during the finish of Iditarod 2022 to collect samples for a body condition study and analyzed data
- Both presented a poster together at the 2022 ISDVMA symposium in Duluth, MN

Jenna Hattendorf - CSU veterinary medicine class of 2024

- Spent summer of 2021 compiling data for a sled dog paper, funded by the CSU Veterinary Student Summer Program (VSSP)
- This paper was published with Jenna as first author in January 2024 (see publications, below).

Undergraduate student mentoring

Tatianna Krueger – UAF undergraduate preveterinary student

 Awarded \$3,000 URSA undergraduate research award to validate iSTAT creatine kinase cartridges for field use in sled dogs in spring 2025

Dorothy Scherer – UAF undergraduate student who contacted me after I guest lectured in one of her wildlife classes

• Awarded \$3,000 URSA undergraduate research award to work with one of my graduate students on a small mammal disease project in fall 2024

Publications

Leverett RJ, JE McCrea, <u>CM Hansen</u>. (2025) No evidence of Bartonella exposure in Interior Alaska Sled Dogs. Manuscript in preparation.

Denryter K, K Wall, B Wilson, <u>CM Hansen</u>. (2025) Sepsis in caribou calves with emphasis on divergent outcomes following amikacin use. In revision.

Davis MS, WM Bayly, <u>CM Hansen</u>, MR Barrett, CA Blake. 2024. Effects of hyperthermia and acidosis on mitochondrial oxidative phosphorylation. *J Appl Physiol* 137:1678-1689. DOI:10.1152/japplphysiol.00418.2024

Hattendorf JC, MS Davis, <u>CM Hansen</u>. 2024. Evaluating injuries and illnesses that occurred during the Yukon Quest International Sled Dog Race, 2018-2020. *Front Vet Sci* DOI:10.3389/fvets.2024.1356061

Davis MS, W Bayly, <u>CM Hansen</u>, M Barrett, C Blake. 2023. Effects of hyperthermia and acidosis on mitochondrial production of reactive oxygen species. *Am J Physiol Regul Integr Comp Physiol*. doi: 10.1152/ajpregu.00177.2023

Shiomitsu S, <u>CM Hansen</u>, M Lenfest, CW Frye, JJ Wakshlag. 2022. Serum myostatin decreases in exercising and aging Alaskan sled dogs, while growth and differentiation faction 15 remains unaltered. *JAVMA* doi: 10.2460/javma.22.07.0323

Villeneuve CA, KJ Buhler, M Iranpour, E Avard, A Dibernardo, H Fenton, <u>CM Hansen</u>, GG Gouin, LL Loseto, E Jenkins, RL Lindsay, I Dusfor, N Lecomte, PA Leighton. 2021. New records of California serogroup viruses in *Aedes* mosquitoes and first detection in simulioidae flies from Northern Canada and Alaska. *Polar Biology* doi: 10.1007/s00300-021-02921-5.

Frye CW, <u>CM Hansen</u>, K Gendron, DFJ von Pfiel. 2018. Successful medical management and rehabilitation of exercise-induced dorsal scapular luxation in an ultramarathon endurance

sled dog with magnetic resonance imaging diagnosis of grade II serratus ventralis strain. *Can Vet J* 59(12):1329-1332.

Gamble LJ, CW Frye, <u>CM Hansen</u>, JW Locasale, X Liu, MS Davis, JJ Wakshlag. 2018. Serum metabolomics of Alaskan sled dogs during endurance racing. *Comp Exer Phys* 14(3):149-159. doi: 10.3920/CEP1800100

Frye CW, Mann S, Joseph J, <u>CM Hansen</u>, Sass B, Wakshlag J. 2018. Serum biochemistry and inflammatory cytokines in racing endurance sled dogs with and without rhabdomyolysis. *Front Vet Sci* 5:145. doi: 10.3389/fvets.2018.00145

Devall VC, R Goggs, <u>CM Hansen</u>, CW Frye, JA Letendre, M Brunke, JJ Wakshlag. 2018. Serum myoglobin, creatinine kinase, and cell free DNA in endurance sled dogs and sled dogs with clinical rhabdomyolysis. *J Vet Emerg Crit Care* doi: 10.1111/vec.12731

<u>Hansen CM</u>, KB Beckmen. 2018 Butorphanol-azaperone-medetomidine for the immobilization of captive caribou (*Rangifer tarandus granti*) in Alaska, USA. *J Wildl Dis* 54(3).

<u>Hansen CM</u>, E Himschoot, BW Meixell, C Van Hemert, K Hueffer. 2017. *Neisseria arctica* sp. nov., isolated from nonviable eggs of greater white-fronted geese (*Anser albifrons*) in Arctic Alaska. *Int J Syst Evol Microbiol* 67:1115-1119.

Brunke MW, CW Frye, CB Levine, <u>CM Hansen</u>, JJ Wakshlag. 2016. Insulin-like growth factor-1 and selected insulin-like growth factor binding protein concentrations during and ultramarathon sled dog race. *Scientific World J* 5686372.

<u>Hansen CM</u>, B Meixell, C Van Hemert, RF Hare, K Hueffer. 2015. Microbial infections are associated with embryo mortality in Arctic-nesting geese. *Appl Environ Microbiol* 81(16):5583-5592.

<u>Hansen CM</u>, K Hueffer, SC Choi, J Chen. 2015. Draft genome sequence of a taxonomically unique *Neisseria* species isolated from a greater white-fronted goose (*Anser albifrons*) egg on the North slope of Alaska. *Genome Announc* 4(3):e00772-15.

<u>Hansen CM</u>, K Hueffer, F Gulland, RS Wells, BC Balmer, JM Castellini, TM O'Hara. 2014. Use of cellulose filter paper to quantify whole blood mercury in two marine mammals: Validation study. *J Wildl Dis* 50(2):271-278.

Hansen CM, AJ Vogler, P Keim, DM Wagner, K Hueffer. 2011. Tularemia in Alaska, 1938-2010. *Acta Vet Scand* 53:61.

<u>Hansen CM</u>, BK Hartup, OD Gonzalez, DE Lyman, H Steinberg. 2008. West Nile Encephalitis in a Captive Florida Sandhill Crane. Proceedings of the North American Crane Workshop. 10:115-118.

Book chapters

<u>Hansen CM</u>. Dropped Dog Protocols. In: Von Pfiel DJF (ed) Musher and Veterinary Handbook, 4th edition. Raleigh: International Sled Dog Veterinary Medical Association. 2024.

<u>Hansen CM</u>, S Dresvyannikova. 2022. Tularemia in the Arctic. In: Tryland M (eds) Arctic One Health. Springer, Cham. DOI:10.1007/978-3-030-87853-5_17

Abstracts and presentations

George-Nichol S, B Inman, J Buttler, M Johannsen, K Beckmen, <u>C Hansen</u>, J Taylor, E Bortz. 2025. Understanding spillover of SARS-CoV-2 and H5N1 between Human and Wildlife Populations. Submitted to the Alaska Chapter of the Wildlife Society for their meeting in Juneau, AK.

Page T, <u>CM Hansen</u>, S Crimmins. 2024. Voles as hosts to emerging bacterial diseases in Alaska. Wildlife Disease Association annual International Conference, December 2024.

Taylor, J, E Bortz, M Johannsen, S Olson, <u>CM Hansen</u>. 2024. Surveillance for SARS-Cov-2 in Alaskan sled dogs: preliminary results. International Sled Dog Veterinary Medical Association Biennial Symposium. Kiruna, Sweden, October 2024.

<u>Hansen CM</u>, R Leverett, JE McCrea. 2024. Surveillance for *Bartonella* spp. in sled dogs in Interior Alaska: an exploratory study. International Sled Dog Veterinary Medical Association Biennial Symposium. Kiruna, Sweden, October 2024.

<u>Hansen CM</u>. 2024. An update on the status of leptospirosis in Alaska. ASM Alaska Branch Meeting 2024. Fairbanks, AK.

<u>Hansen CM</u>, K Hautala, K Walker, M Clark. 2019. Leptospirosis in Alaskan caribou (*Rangifer tarandus granti*) and reindeer (*Rangifer tarandus tarandus*). 19th International Leptospirosis Society Conference, Vancouver, BC, Canada.

Klejka JJ, H Sfraga, <u>CM Hansen</u>, EA Himschoot, D Lyons, RF Hare, BW Meixell, C Van Hemert, K Hueffer. 2017. Investigations of a cattle pathogen in waterfowl in the Arctic. 66th Annual Wildlife Disease Association Conference, San Cristobal de las Casas, Chiapas, Mexico.

<u>Hansen CM</u>, EA Himschoot, D Lyons, BW Meixell, C Van Hemert, K Hueffer. 2015. Genetic characterization of two bacterial species isolated from wild goose eggs on the Arctic coastal plain of Alaska. 64th Annual Wildlife Disease Association Conference, Queensland, Australia.

<u>Hansen CM</u>, BW Meixell, CR Van Hemert, RF Hare, K Hueffer. 2014. Microbial infection as a source of embryo mortality in greater white-fronted geese (*Anser albifrons*) on the Arctic coastal plain of Alaska. 63rd Annual Wildlife Disease Association Conference, Albuquerque, NM.

<u>Hansen CM</u>, R Rember, K Hueffer. 2013. Development and implementation of a broad-based PCR surveillance method for bacterial DNA in Alaskan wildlife tissues. 62nd International Conference of the Wildlife Disease Association, Knoxville, TN.

<u>Hansen CM</u>, AJ Vogler, DM Wagner, LJ Castrodale, K Hueffer. 2011. Tularemia in Wildlife in Alaska. 60th Annual Wildlife Disease Association Conference, Quebec City, Quebec, Canada.

<u>Hansen CM</u>, RH McCusker, X Zhang, K Friese, J Novakofski. 2002. Caspase-3 Activity is Increased During Both Stretch-induced Hypertrophy and Muscle Atrophy in Chicken Muscle. The FASEB Journal. 16(5):A774

Service

2022 – present	Judge, UAF Midnight Sun Science Symposium
2022 – present	UAF pre-vet club faculty advisor
2022 – present	Morris Animal Foundation Animal Health Advisory Council Member
2017 - present	UAF Science Potpourri volunteer
2017 - present	UAF Junior Vet Camp volunteer
2013-14	Assistant head veterinarian, Yukon Quest Intl. Sled Dog Race
2010-12	Trail veterinarian, Yukon Quest International Sled Dog Race
2010-14	Head vet; Gin Gin 200, Copper Basin 300, Taiga 300 Sled Dog Races,
	Top of the World 350 Sled Dog Race, Tolsona 50/50 Sled Dog Race
2009	Trail veterinarian, Copper Basin 300 Sled Dog Race
2007, 09,	Fairbanks North Star Borough Rabies Vaccination Clinic volunteer
12-13,	
16	

Professional Memberships

2019-present: International Leptospirosis Society

2011-present: Wildlife Disease Association

2007-present: American Veterinary Medical Association

2011-present: International Sled Dog Veterinary Medical Association; board member

since 2021

2008-present: Alaska State Veterinary Medical Association 2008-present: Interior Alaska Veterinary Medical Association

Invited Reviewer

Journal of Wildlife Diseases, International Journal of Systematic and Environmental Microbiology. Journal of Experimental Zoology Part A, Frontiers in Veterinary Science, Frontiers in Microbiology