

CURRICULUM VITAE

GREGORY S. PIETSCH, DVM

**ASSISTANT PROFESSOR OF VETERINARY MEDICINE
(SMALL ANIMAL/INTERNAL MEDICINE)**

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EDUCATION

DVM	University of Minnesota, College of Veterinary Medicine	May 2002
BS	University of Alaska Fairbanks, Wildlife Biology	May 1997

ADVANCED VETERINARY TRAINING

- 2012** AO North America, La Jolla, CA
 - Principles of Small Animal Fracture Management
- 2007** Animal Dental Training Center, Towson, MD
 - Advanced Oral Surgery
- 2006** Animal Dental Training Center, Towson, MD
 - Oral Surgery Level 1
- 2004** UltraSOURCE, San Antonio, TX
 - Advanced abdomen and cardio ultrasound course
- 2003** Georgia Veterinary Specialists, Atlanta, GA
 - Completed a 1-year small animal rotating veterinary internship.
- 2002** Georgia Veterinary Specialists, Atlanta, GA
 - Abdominal Ultrasound Intermediate Level Short Course

PROFESSIONAL TRAINING AND CERTIFICATES

- 2024** CPR: Advanced Life Support Certification
Recover Initiative: American College of Veterinary Emergency and Critical Care
- 2023** Leptospirosis in the Pacific Northwest: Are we missing cases?
- 2023** VIN/AAFP Rounds: Feline Frailty: The Next Frontier of Care
- 2023** MRI safety training (UAF)
- 2023** Team Based Learning (TBL) – 3-day seminar at Colorado State University
- 2023** Cat Friendly Veterinarian Certificate

- American Association of Feline Practitioners
- 2023** CPR: Basic Life Support Certification
Recover Initiative: American College of Veterinary Emergency and Critical Care
- 2022** Certification in Mental Health First Aid (MHFA)
National Council for Mental Wellbeing
- 2022** Teaching Seminar with Andrew West, PhD, Assistant Dean for Teaching and Learning, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO
- 2018** Fear Free Certification, Fear Free, LLC

PROFESSIONAL LICENSURE

- 2009-Present:** - Alaska Veterinary License
- 2009-Present:** - National USDA/APHIS Accreditation
- 2002-Present:** - DEA Licensure
- 2004-2010:** - Massachusetts Veterinary License
- 2003-2005:** - New Hampshire Veterinary License
- 2002-2004:** - Georgia Veterinary License

TEACHING EXPERIENCE

Department of Veterinary Medicine, University of Alaska Fairbanks, Fairbanks, AK:

- DVM 610 Foundations of Veterinary Medicine I
 - 2022-present
- DVM 611 Foundations of Veterinary Medicine II
 - 2022-present
- DVM 619 Veterinary Neurobiology
 - 2023
- DVM 641 Professional Explorations Externship
 - 2023-present
- DVM 710 Foundations of Veterinary Medicine III
 - 2022-present
- DVM 711 Foundations of Veterinary Medicine IV
 - 2022-present
- DVM 714 Preventive Veterinary Medicine
 - 2023-present
- DVM 722 Veterinary Pharmacology
 - 2022
- DVM 733 Principles of Surgery
 - 2023-present
- DVM 737 Principles of Veterinary Anesthesia
 - 2022-2024
- DVM 745 Clinical Sciences I
 - 2022-present

DVM 747 Clinical Sciences II

- 2022-present

PUBLICATIONS

GS, Averbeck G, Stromberg B. Aberrant *Toxocara canis* in a red fox. J Wildl Dis. 2002 Jan;38(1):219-20. doi: 10.7589/0090-3558-38.1.219. PMID: 11838221.

Pietsch GS, Finstad GL, Bevins JS, Prichard AK. Antibiotic treatment and post-handling survival of reindeer calves in Alaska. J Wildl Dis. 1999 Oct;35(4):735-40. doi: 10.7589/0090-3558-35.4.735. PMID: 10574533.

RESEARCH EXPERIENCE

2022-present: Interventional Trial of Medium-Sized Canines with Probable CCD in Aging, University of Alaska Fairbanks, Fairbanks. Principal Investigator: Greg Pietsch

- Pilot study initiated in spring of 2024
- Interventional study to test if a novel United States Pharmacopeia (USP) grade therapeutic, NNI-362, will reverse clinical signs and symptoms of canine cognitive dysfunction over a 6-month period in dogs.
- The first veterinary interventional study at the University of Alaska Fairbanks.
- Helped develop the IACUC protocol (# 1894716-10) which was approved on August 4, 2022
- Contributed clinical and canine neuroanatomy expertise.
- Refined the techniques of volumetric measurement from MRI data (vMRI) of the hippocampus using data from the UAF MRI

1999-2000: Heartworm Disease in Wildlife Surveillance in Minnesota, University of Minnesota

- Received grant funding for this project.
- Necropsy and serologic survey
- Surveilled fox, martin, and bobcat

1996-1998: Antibiotic Treatment and Post-Handling Survival of Reindeer Calves in Alaska, Reindeer Research Program, University of Alaska Fairbanks

- Senior Honors Thesis
- Studied the effects of antibiotic treatment on long-term post-capture survival.
- Study herds on Seward Peninsula, Alaska

1996: The effects of weather and insects on the Delta Caribou herd, Institute of Arctic Biology, University of Alaska Fairbanks

- Undergraduate research assistant
- Weather/insect effects on caribou behavior
- Study herd Alaska range, Alaska

1995: Fossilized vole teeth survey, University of Alaska Fairbanks

- Identified vole species by tooth pattern in Pleistocene soil samples.

1995: Eastern Spotted Turtle Survey, University of Massachusetts

- Radio tracked Eastern Spotted Turtles
- Endangered species study

PROFESSIONAL EXPERIENCE

2024-present: Student Engagement Coordinator, Foster and develop relationships between the veterinary community and the department of veterinary medicine to create and enhance educational, mentoring, and professional opportunities for veterinary students.

2023-present: Substitute Veterinarian, North Slope Borough, AK

2022-present: Assistant Professor of Veterinary Medicine (small animal/internal medicine), University of Alaska Fairbanks, Fairbanks, AK

2022-present: Relief veterinarian, I work as a clinical veterinarian primarily in the Fairbanks, AK, area

2020-2022 Associate Veterinarian, North Pole Veterinary Hospital, North Pole, AK

2010-2020 Lead Veterinarian (2015-2020), Associate Veterinarian (2010-2015), Aurora Animal Clinic, Fairbanks, AK

2005-2010 Associate Veterinarian/Ultrasonographer, Anchor Animal Hospital, Dartmouth, MA

2003-2005 Staff Veterinarian, Animal Hospital of Nashua, Nashua, NH

2002-2003 Small Animal Veterinary Intern, Georgia Veterinary Specialists, Atlanta, GA

PROFESSIONAL AFFILIATIONS

2024-present: Team-Based Learning Collaborative

- Member

2023-present: American Association of Feline Practitioners (AAFP)

- Member
- Faculty advisor for UAF student chapter

2010-2023: Interior Veterinary Medical Association (IVMA)

- President 2014-2023 (organization dissolved in 2023)
- Member 2010-2014

2010-Present: Alaska Veterinary Medical Association (AKVMA)

- Member

2002-Present: American Veterinary Medical Association (AVMA)

- Member

PUBLIC SERVICE

2024: Hub Outpost Project

- I participated in a weeklong veterinary trip providing veterinary services to villages on the Yukon-Kuskokwim Delta

2022-present: Anesthesia services for veterinary MRI patients

- University of Alaska Fairbanks

2018-present: Alaska Spay Neuter Assistance Program (ASAP)

- ASAP is a non-profit organization that provides low-cost canine spay and neuter services to the interior Alaska community. Clinics are roughly once a month.
- I provide anesthetic and surgical services as well as consultation services on follow-up care.
- I invite students to participate and provide them with supervision and training during the event.

PROFESSIONAL SERVICE

2010-2023: Interior Veterinary Medical Association – President (since 2014)

- I organize and direct the IVMA which is an association of the local veterinarians in Interior Alaska.
- Host group meetings and continuing education events
- Facilitate relations with UAF.
- Introduce IVMA members to veterinary students.

UNIVERSITY SERVICE

2024-present: Veterinary admissions committee

2024-present: Curriculum development block leader

- Cardiorespiratory block
- Endocrine block

2024-present: Faculty Advisor

- Veterinary Business Management Club

2024-present: Student Engagement Coordinator

2023-present: Faculty Advisor

- Student Chapter of the American Association of Feline Practitioners

2023-present: Center for Transformative Research in Metabolism

- Translational Advisory Committee (TAC) member

2023-present: UAF Faculty Senator

2023-present: Faculty Senate Unit Criteria Committee

2023-present: VetMed Scholarship Committee

2023-present: Space committee

2022-present: Faculty Advisor

- Veterinary Medicine Club

2022-present: Curriculum Development – CSU Applied Clinical Medicine (ACM) Committee

- Developing the Applied Clinical Medicine stream for the new UAF/CSU veterinary curriculum
- Focus on Team Based Learning (TBL)

2022-present: Faculty advisor

- Veterinary Medicine Club

2022-2023: Faculty Senate Alternate

2022-2023: Faculty Search Committee

- Pharmacology/anesthesia/toxicology position

GRANTS

2024: Interventional Trial of Medium-Sized Canines with Probable CCD in Aging

- Grant amount: \$10,000
- Grant sponsor: Neuronascent, Inc

1999: Grant from the Friends and Alumni of the College of Veterinary Medicine (UMN) to support a heartworm in wildlife survey.

MEDIA APPEARANCES AND INTERVIEWS

April 18, 2024 – Dartmouth Week (newspaper) - Dartmouth native leads study to understand dog dementia

- <https://dartmouth.theweektoday.com/article/dartmouth-native-leads-study-understand-dog-dementia/69101>

February 22, 2024 – KTVF (television) - UAF study investigates cognitive decline in senior dogs

- <https://www.webcenterfairbanks.com/2024/02/22/uaf-study-investigates-cognitive-decline-senior-dogs/>

February 19, 2024 – KUAC (radio) - Studying dementia in dogs could help humans

- <https://fm.kuac.org/science-and-technology/2024-02-20/studying-dementia-in-dogs-could-help-humans>

February 17, 2024 – Alaska Native News (online news) - Study aims to understand cognitive decline in older dogs

- <https://alaska-native-news.com/study-aims-to-understand-cognitive-decline-in-older-dogs/72576/>

March 16, 2023 – KTVF (television) - Using virtual reality in the classroom

- <https://www.webcenterfairbanks.com/2023/03/16/virtual-reality-classroom/>

HONORS AND AWARDS

2002	Maxwell award for cardiology (University of Minnesota)
1997	Outstanding undergraduate student of the year for Wildlife Biology (University of Alaska, Fairbanks)
1997	Completion of the University of Alaska Honors Program

- 1997** Golden Key National Honors Society
- 1996-1997** National Dean's List
- 1996** All-American scholar collegiate award
- 1994-1997** Dean's List (University of Alaska Fairbanks)