

## CURRICULUM VITAE

### CLAIRE BUCHANAN ANDREASEN, DVM, PhD, Diplomate ACVP

**Address:** Department of Veterinary Pathology  
College of Veterinary Medicine  
Iowa State University  
Ames, IA 50011  
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#### EDUCATION AND TRAINING

1987-1990	PhD	Pathology, University of Georgia, Athens, Georgia Dissertation: <i>Heterophil function in healthy chickens and in chickens with staphylococcal tenosynovitis.</i>
1985-1987	MS	Pathology, University of Georgia, Athens, Georgia Thesis: <i>Intermediate filament staining in the histologic and cytologic diagnosis of canine skin and soft tissue tumors.</i>
1979-1982	DVM	Texas A & M University, College Station, Texas
1981	BS	Veterinary Medicine, <i>Summa Cum Laude</i> , Texas A & M University, College Station, Texas
1975-1979	BS	Biomedical Science, <i>Summa Cum Laude</i> , Texas A & M University, College Station, Texas

#### BOARD CERTIFICATION

1994                   Diplomate, American College of Veterinary Pathologists (Clinical Pathology)

#### RESEARCH EMPHASIS

Comparative clinical pathology/pathology, granulocyte cell function (emphasis; poultry, fish), cellular host-pathogen interaction (emphasis: infectious disease)

#### EDUCATION/LEARNING/OUTREACH/PROFESSIONAL PRACTICE EMPHASIS

Clinical pathology/comparative clinical pathology, Infectious disease pathology, images for infectious diseases (emerging, foreign to U.S., zoonotic <http://www.cfsph.iastate.edu/DiseaseInfo/disease-images.php>)

#### ADMINISTRATIVE EMPHASIS

Departmental - Integration of research, diagnostics, and DVM and graduate education; director of pathology laboratories services.

Work-life faculty issues associated with the ISU Office of the Provost. Past responsibilities for grants, meeting presentations, committees, resources. Example: Resource Guide for Recruiting Excellent and Diverse Faculty

#### EMPLOYMENT/TITLE

2025-present	University Professor, Emerita, Iowa State University (ISU), Ames, Iowa
2021- 2024	University Professor, Iowa State University (ISU), Ames, Iowa
May 2022- 2025	Clinical Pathology Laboratory Director, ISU, Ames, Iowa
2018-2025	Clinical Pathology residency coordinator, Veterinary Pathology, ISU, Ames, Iowa
May 2023-Jan 2024	Director of Graduate Education (DOGE), Veterinary Pathology, ISU, Ames, Iowa
2018- 2022	Professor, Dr. Roger and Marilyn Mahr Professorship in One Health, ISU, Ames, Iowa
2016-2022	Director of One Health, ISU, Ames, Iowa

2010- 2016 Professor and Associate Dean for Academic and Student Affairs, ISU,, Ames, Iowa.

2003-2025 Professor, Clinical Pathology, Veterinary Pathology, ISU, Ames, Iowa.

2008 – 2009 Interim Chair, Department of Clinical Sciences, ISU, Ames, IA

2006 Special Assistant to the Provost, Office of the Provost, ISU, Ames, IA.

2005-2006 Administrative Intern (50%), Office of the Provost, directed by the Associate Provost for Academic Advancement and Diversity, ISU, Ames, Iowa.

2001-2011 Chair, Department of Veterinary Pathology, ISU, Ames, Iowa.

2001 Interim chair, Department of Veterinary Pathology, ISU, Ames, Iowa.

2000- 2011 Director of the Departmental Clinical Pathology Laboratory, ISU, Ames, Iowa

1999-2003 Associate Professor, Clinical Pathology, Veterinary Pathology, ISU, Ames, Iowa.

1996-1999 Assistant Professor, Clinical Pathology, Veterinary Pathology, ISU, Ames, Iowa.

1995-1996 Assistant Professor, Clinical and Surgical Pathology, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, Oregon State University (OSU), Corvallis, Oregon.

1994-1996 Section Head, Clinical Pathology Laboratory, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, OSU, Corvallis, Oregon.

1993-1994 Co-director, Clinical Pathology Laboratory, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, OSU, Corvallis, Oregon.

1991-1994 Assistant Professor, Clinical and Anatomic Pathology, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, OSU, Corvallis, Oregon.

1990-1991 Instructor, Clinical and Anatomic Pathology, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, OSU, Corvallis, Oregon.

1990 Instructor, Clinical Pathology, Department of Veterinary Pathology, University of Georgia, College of Veterinary Medicine, Athens, Georgia.

1985-1990 Veterinary Medical Graduate Assistant, Clinical Pathology and Surgical Biopsy, Department of Veterinary Pathology, University of Georgia, College of Veterinary Medicine, Athens, Georgia.

1982-1985 Associate Veterinarian, Northeast Veterinary Clinic, 9405 Dyer, El Paso, Texas

## **HONORS AND AWARDS**

Alpha Lambda Delta, 1975-1976  
 Phi Kappa Phi, 1979  
 Who's Who Among American College Students, 1979  
 Gamma Sigma Delta, 1979  
 Pre-Veterinary Society Scholarship Award, 1979  
 Distinguished Student Certificates, 1975-1980  
 Spring Award Scholarship, 1979-1982  
 The National Dean's List, 1981  
 Hill's Nutrition and Dietary Management Award, 1982

Phi Zeta, 1982-present

Membership Committee, 1994-1996

Nomination Committee 1996

SmithKline Beecham (Pfizer) Award for Research Excellence, 1994

SCAVMA Clinical Science Teaching Award, 2001

Osborn Club Scientific Organization (by invitation), Iowa State University, elected 2003/2004

ISU Foundation Outstanding Achievement in Departmental Leadership 2005

Women Impacting ISU Calendar, Iowa State University 2013

Texas A&M University College of Veterinary Medicine and Biomedical Sciences Outstanding Alumnus 2018

Dr. Roger and Marilyn Mahr Professorship in One Health 2018

Marshal, ISU President Wintersteen Installation 2018

ISU University Professor, 2021

CVM Frederick Douglass Patterson Diversity and Inclusion Award, 2021

CVM University of Georgia Distinguished Graduate Award, 2022

## EDITORIAL BOARDS

Board of scientific reviewers for **American Journal of Veterinary Research** 1993-1996.

Editorial Board **Veterinary Pathology** 1997-1999.

Editorial Board **Comparative Clinical Pathology** 2002-2004; 2016-present

Review Editor in Veterinary Humanities and Social Sciences, **Frontiers in Veterinary Science**, 2016-2020.

Review Editor in Veterinary Experimental and Diagnostic Pathology, **Frontiers in Veterinary Science** 2020-present

## PROFESSIONAL ORGANIZATIONS

Past:

American Animal Hospital Association, 1981-1985

Texas Veterinary Medical Association, 1982-1984

El Paso Veterinary Medical Association, 1982-1985

Continuing Education Chairman, 1982-1984

Texas Academy of Veterinary Practice, 1982-1985

American Association of Feline Practitioners, 1983-1985

Faculty Advisor Oregon State 1996

Willamette Valley Veterinary Medical Association 1991-1996

Oregon Veterinary Medical Association, 1994-1995

Member of Midwest Consortium for Toxicologic Pathology 2003-2011

Iowa Chapter of the Office of Women in Higher Education, 2005-2010

Internal Advisory Committee for Education and Outreach, National Center for Foreign Animal and Zoonotic

Disease Defense (FAZD), Texas A&M University, 2010-2015

American Association of Veterinary Medical Colleges

Chair of Constituent Group of Chairs, Heads, and Directors of the AAVMC 2004-2006

Committee for the Vision in Veterinary Medicine Foresight Analysis Project 2006

Associate Deans for Academic Affairs

Chair-elect 2012-2013

Chair 2013-2014

Past Chair 2014-2015

Committee for AAVMC Teaching Award, Committee Chair, 2014, 2015

World Aquatic Veterinary Medical Association 2007- 2014, 2016 founding member

Co-lead for Education in the Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD) (multi-institutions; KSU- overall lead) 2010-2016.

Advisor: Council of Advisors, Gerson Lehman Group's Council of Healthcare Advisors. 2003-2019

Current:

American Veterinary Medical Association, 1982-Present

Iowa Veterinary Medical Association 2001-present

IVMA Foundation board 2010- 2016

IVMA Public Health committee, attendee 2018-2020; member 2020-present

C. L. Davis Foundation  
 Associate Member, 1985-1990  
 Member, 1995-1998, 2001-2014, ISU member, 2014- present

American Society for Veterinary Clinical Pathology, 1985-Present  
 Avian Hematology Committee, 1993-1994  
 Development Committee, 1998-1999  
 Executive Board Committee, 1996-2001  
 President-elect 1999  
 President – 2000  
 Past President – 2001  
 ASVCP Mock Exam writer and submitter for ISU 2020 - present

American Association of Veterinary Laboratory Diagnosticians, 1991-Present  
 American Association of Avian Pathologists 2004-present  
 American College of Veterinary Pathologists 1994-present  
 Pilot Participant for Developmental Activities 1994-1999  
 ACVP Training representative for ISU clinical pathology, 2001- 2011, 2018 - present  
 Specialty Session co-chair for Emerging Diseases Session, 2003 ACVP meeting  
 ACVP Credentialing Committee 2002-2004, Chair 2004 -2007  
 QA/QC ACVP Board Certification Committee 2003-2004  
 Government Relations Committee 2007  
 Credentials Committee 2009-2011  
 Development Committee 2014  
 President Elect 2010-2011  
 President 2011-2012  
 Past-President 2012-2013; Officer Nominations Committee, Chair  
 Past Past President 2013-2014; Distinguished and Honoree Member Committee, Chair  
 Distinguished and Honoree Member Committee, Member 2014-2015  
 ACVP/STP Coalition  
 Strategic Planning Committee 2010-2011  
 ACVP Liaison 2011-2012  
 Appeals Committee, member, 2016-present

American Association of Veterinary Medical Colleges, DEI Committee, member 2020- present  
 National institute of Anti-Microbial Resistance Research and Education (NIAMRRE), member 2018-present  
 Agro/Biodefense Regional Consortium liaison Coalition for Epi Response, Engagement and Science (CERES) 2018-2022  
 American Society of Investigative Pathology (ASIP) 2020-present  
 Conference of Research Workers in Animal Diseases 2000-2022

## **TEACHING RESPONSIBILITIES**

Iowa State University

Instructor-in-charge

2018- present	Special Topics, Clinical Pathology rounds (VPTH 590), weekly each semester
2001- 2008	Introduction to Veterinary Cytology (Vpth 409), (15 hours/year)
1999, 2001, 2004	Pathologic Hematology (Vpth 652) (45 hours/year) Graduate hematology
2000 - 2001	Clinical Pathology (Vpth 425), core course, (70 hours/year)
2000	Clinical Pathology elective (Vpth 408), (15 hours/year) clinical pathology case solving
1996-2000	Clinical Pathology (Vpth 457), cytology and hematology senior DVM students
2002-2008	1 credit, 13 times (260 hours/year) 1996-1999

	1 credit, 10 times/year (200 hours/year) 1999-2000, (100 hours/year)
1998-2000	Freshman Honors Mentoring Program, spr, (HON 290H) 3 credits total, 2 students 1998 1 credit, 1 student 1999 1 credit each, 2 students 2000 1 credit each, 2 students 2017 1 credit each, 3 students 2018
1998-2011	Special Topics (Vpth 490), 1-4 credits, on demand
1997-2011, 2018-present	Special Topics in Clinical Pathology (Vpth 590D) (30 hours/year) Resident Rounds/Seminar
1997-2000	Introduction to Clinics (VCS 440) (21 hours/year); Cytology laboratory section
Participating Instructor	
2020- 2024	Clinical Pathology (Vpth 425), leukocyte lectures (5-7)
2024	Equine Diagnostic Skills (VCS 7447), hematology lectures (2)
2008 – present	Clinical Pathology (Vpth 457), cytology, chemistry, hematology senior DVM students
1997,1999, 2000, 2018, 2021, 2022	Seminar Spring, Fall (Vpth 604) - clinical pathology cases
2017-2020	Introduction to Veterinary Cytology and Laboratory Techniques (Vpth 409). spring. 1-2 lecture, labs/year
2017-present	Systemic Pathology (VPTH 571), fall, hematopoietic lymphoid system lectures
2017-2019	Clinical Intern seminars (2-3 yearly)
Oct 2016, 2017	VDPAM 410 Llama Medicine; Llama clinical pathology (1 hour)
Nov 2011- 2015	Veterinarian in Society III VCS 313 Ethics (2 hour lecture; 1 hour 2014) Social Media
April 2004	Special Topics in Analytical Chemistry (Chem 619); Forensic science seminar series. Wildlife forensics; how to solve the case.
Nov 2003	Animal Science (211), ISU, Issues facing Animal Science: “Animal and Environmental Welfare – The Swedish Perspective” C Andreasen, Sara Hooge (VM4) and Russ Voigt (VM3)
1997, 1999, 2002	Avian Anatomy (VANat 416) - Avian hematology (2 hours/year)
1997, 2001	Advanced Medicine (VCS 676) (1 hour lecture, 2 hours lab/year)
1996, 1999, 2001	National Board Review-clinical pathology (2 hours/year)
1996	Introduction to Pet Birds (VCS 405)-clinical pathology (2 hours/year)
Oregon State University	
1996	General Pathology (VM 511/621) (4 hours/year), disturbances of circulation

1995 Clinical Diagnosis (VM 790-20) (30 hours/year), clinical pathology application

1995 Advanced Clinical and Diagnostic Veterinary Toxicology (VM 781-11) clinical pathology case section (3 hours/year)

1994-1996 Large Animal Gastroenterology (VM 790-26), clinical pathology/techniques section (3 hours/year)

1994-1996 Neonatal Medical Care (VM 790-27), clinical pathology/techniques section (3 hours/year)

1994-1996 Microscopic Anatomy (VM 714)), hematology section (5 hours/year)

1993-1996 Camelid Medicine and Surgery (VM681), clinical pathology section (2 hours/year)

1995-1996 Clinical Services Block 1--Clinical Pathology (VM 736),(160 hours/year)

1994-1995 Clinical Services Block 1--Clinical Pathology (VM 736), (240 hours/year)

1991 -1994 Clinical Services Block 1--Clinical Pathology (VM 736),(160 hours/year);  
Orientation for Clinical Services Block 1 (Clinical pathology and necropsy techniques) (8 hours/year)

1993-1996 Advanced Clinical Pathology (VM 781B), senior veterinary students (40 hours/year)

1990-1994 Clinical Services Block I--Necropsy (VM 736) and senior veterinary students (180 hours/year)

#### University of Georgia

1990 Supervision of graduate student training in pathology.

1987-1990 Clinical Pathology (VPP 540), senior veterinary students

1987-1990 Clinical Pathology Laboratory (VPP 525), sophomore veterinary students.

1986-1989 Clinical Pathology Laboratory (VPP 421L), junior veterinary students.

#### **Selected teaching seminars attended**

March 1993 Faculty Development Program, Teaching with a case-based curriculum (AAHA), 1993

October 1996 Seldin Teaching Seminar, Center for Teaching Excellence, Iowa State University

October 1996 Teaching with Style, College of Veterinary Medicine, Iowa State University

October 1997-2001 Project LEA/RN, Iowa State University, monthly class.

#### **International Experiences- Mentoring, Education**

2001 Faculty Mentor: 4 senior veterinary students attending the Small Animal World Congress, Vancouver, Canada.

2002 Site visit to Uppsala, Sweden for 2003 student trip to understand EU food animal welfare issues.

2003 Faculty Mentor: Student trip to Sweden; 14 students; Agricultural Practices in Sweden. International trip to Sweden: <http://www.vetmed.iastate.edu/academics/international/recenttrips/sweden2003/> (inactive URL)

2007 Presentation and deliver educational materials.at the First Regional Conference on Education- Balkan Education Conference, USDA Faculty Exchange Program.

2007 OIE Vaccination for the control of Avian Influenza, Verona, Italy. Organization of educational materials for High Pathogenic Avian Influenza, sponsored by USDA and ISU Center for Food Security and Public Health.

## **ADVISING/MENTORING**

### **Graduate Program membership**

Member Department of Veterinary Pathology Graduate Program, 1996-present  
Member Immunobiology Interdepartmental Graduate Program, Iowa State University, 1998-present  
Admissions Committee, 1999-2000  
Supervisory Committee, 2000-2003  
Member Graduate Faculty, Iowa State University, 1996-present  
Member Forensics Certificate Program, Iowa State University, 2003-2017, Graduate Program - present  
Member Graduate Faculty, Oregon State University, 1991-1996

### **Undergraduate/DVM Advising/Mentoring**

Oregon State University

Veterinary Student Advisor:

1993 Sara Anne Lange - Senior paper: Masticatory muscle myositis in the canine.  
1994 Sandi Statter - Senior paper: Urinary incontinence in the bitch.  
1994 Sandi Statter - Hepatic Encephalopathy - 2nd Place, Hill's Nutrition Award  
1994 Susan Neary Mayo - Senior Manuscript Competition - **Veterinary Medicine**: Mayo SN, Andreasen CB, Long P: Uroperitoneum and Renal Hypoplasia in a Cria.

Iowa State University

Summer Agricultural Minority Program (undergraduate). Summer 1999.  
Rolanda Morris from New Mexico, Native American Reservation. Project: Studies of avian hematology on the Cell Dyne and manual hemacytometer counts and differentials. Presentation and published proceedings required.

Freshman Honors Mentoring Program (HON 290H) (undergraduate)

Individual course program focused on students who are interested in the field of veterinary medicine and biomedical sciences.

1998 – 2 students in areas of veterinary research.

1999 - correlation of automated and manual avian hematology parameters and differential leukocyte counts.  
Student: Jackie Henry.

2017 – 2 students for One Health: Megan Conry – Surgery, clinical skills, and physical therapy, the human and animal connection (co-mentors Dr. Cerfogli, Ms. Joanna Hildreth); Marydith Barkley – Human impact on raptors (Wildlife Care Clinic – ISU CVM co-mentor Dr. Zaffarano) and poster.

2018 – 3 students for One Health: Grace Mercer – Fracture location, treatment, and recovery outcomes (Wildlife Care Clinic – ISU CVM, co-mentor Dr. Zaffarano); Leah Johnson – Metarubricytosis- pathogenesis in humans and canines; Zoie Green – canine and human animal bond, evaluation of BP during brief interactions (co-mentor, Dr. Millman Hartline).

1999- Work study student learning immunohistochemistry techniques; Shawna Greene.

2010- present AgDiscovery student (ages 15-17) activities summer program- Coordinate and present - Hematology laboratory- sponsored by USDA-APHIS.

2014 - 4H Summer program 5-8 grades veterinary careers, coordinate a day for careers and activities

2016-present – Veterinary Careers for GW Carver summer interns, CALS, presentation

General academic advisor to DVM students:

1996-2001 Iowa State University College of Veterinary Medicine  
DVM Student advisor

Faculty mentor for student AAV Chapter, ISU 2004-2010  
Faculty advisor for student United Humanitarian Council - 2017

Merck/Merial and NIH T32 Summer Research Scholars Program

2001 Co-director. Merck/Merial and NIH Summer Veterinary Research Scholars Program.

2002 Director. Merck/Merial and NIH Summer Veterinary Research Scholars Program.

Students:

1998 Leigh Rasmussen (student), C Andreasen. Role of ascorbic acid in regulating *in vitro* granulocyte (neutrophil and heterophil) bacterial killing. Results presented at the Conference for Research Workers in Animal Diseases (CRWAD).

2000 Shawna Greene (student), C Andreasen. Comparison of greyhound platelet function and platelet counts to non-greyhounds. Results presented at Conference for Research Workers in Animal Diseases (CRWAD).

2002 Tyson Marshall (student), C Andreasen, J Greenlee. Decreased platelet numbers accompanied by gross lesions and other clinicopathologic abnormalities in a guinea pig model of leptospirosis.

2004 Dawn Herolt, (student) D Palić, C Andreasen, J Roth. Toxic agent exposure and immune cell response in fat head minnows. 1<sup>st</sup> place ACVP Annual Meeting Veterinary Student Poster Competition, 2004.

2005 Rachel Tell (student), D Palić, C Andreasen, J Roth. Cell function and research modeling in zebrafish.

2006 EM. Godinez (student), D Palić, C Andreasen, J Roth. Cytochemical and functional characterization of neutrophils from bluegills.

2007 KD Vaagen (student), Andreasen C B, Roth J A, Palic, D. Immunomodulatory Effects of Yeast Cell Wall Preparations on Neutrophil Function in Fathead Minnows (*Pimephales promelas* Rafinesque, 1820).

2018 Elizabeth Hines (student), Andreasen CB. Comparative Hematology in a One Health Approach – Pathophysiology and Prognosis of Inappropriate Metarubricytosis of Humans and Canines

2020 Aletta Anderson (student), Andreasen CB. Establishing Data-based Reference Intervals and Health Status for Metarubricytosis (nRBCs) in Dogs

2020 Gabriella K Henthorn (student), Van Vertloo L, Andreasen CB. Hematologic Findings in Cats and Dogs PCR positive for *Bartonella sp.* (ISU CVM poster 3<sup>rd</sup> place, 2020 Summer Scholars)

2022 Elisabeth Amerson (student), Andreasen CB. Cytochemical staining of hamster neutrophils. (ISU CVM 4<sup>th</sup> place award, 2022 Summer Scholars)

**General mentoring:**

2004 ISU Preparing Future Faculty Mentoring Program (Dusan Palić)

2005 ISU Student Scholars and Leaders Recognition Ceremony (Elise Huffman)

**Graduate Students:**

Oregon State University (year of completion)

Graduate Student Committee, Co-major (acting) - Mohammed Anwer, 1992

MS Thesis: *Effect of treatments on heterophil chemotaxis*

Iowa State University (year of completion)

Major Professor: Denise Wunn, Veterinary Pathology MS, 2000

*The interaction of Shiga toxin with erythrocytes and endothelial cells*

Major Professor: Karen Kline, Veterinary Pathology MS, 2001

*Differentiation of diseases that cause mononuclear pleocytosis*

Co-major Professor: Justin Greenlee, Veterinary Pathology PhD, 2003

*Mechanisms in cellular pathogenesis of Leptospirosis*

Co-major Professor: Dusan Palić Immunobiology PhD, 2005 [acting onsite co-major professor (Dr. Menzel was in D.C.)]

*Cytochemical and functional characterization of neutrophils from kidney of fathead minnow (Pimephales promelas Rafinesque 1820) and potential for use as indicator of environmental health*

ISU graduate student research excellence award, spring 2004

Co-major Professor: Shannon Hostetter, Veterinary Pathology PhD, 2009

*Cellular and cytokine responses in a swine model of E Coli O157:H7*

NIH KO8 2006-2009

Co-major Professor: Phongsakorn Chuammitri, IMBIO, Immunobiology PhD, 2010

*Effects of genetic background and dietary immunomodulators on chicken heterophil function and Salmonella resistance*

Major Professor: Ariel Nenninger, Veterinary Pathology PhD, 2023. Co-major May 2022- Feb 2023, Major professor Feb 2023-May 2023. (J. Smith/M. Ellinwood laboratory) Evaluation of a canine model of MPS 1 and MPS 111B for ocular pathology

Graduate Student Program of Study (POS) Committees: (year of completion)

Zahar Radi, Veterinary Pathology PhD, 1999

*The effects of neutrophil-mediated damage in acute Mannheimia (Pasteurella) haemolytica pneumonia*

Amanda Fales-Williams, Veterinary Pathology PhD, 2000

*Conditions that influence production of anionic peptide in ruminant epithelium*

Julie Ridgway, VCS non-thesis MS, 2000 (acting major professor)

*Differentiation of histiocytic and lymphocytic neoplasia*

Janice Endsley, Immunobiology PhD, 2000

*Evaluation of antigen specific T cell subset responses to bovine viral diarrhea virus and bovine herpes virus-1*

Jessica Caverly, Veterinary Pathology PhD, 2001

*The effects of pneumonia on antimicrobial production*

Tim Morgan Veterinary Pathology PhD, 2003

*Mechanisms of E. coli O157:H7 Shiga toxin passage through intestinal mucosa*

Brett Sponseller, Molecular, Cellular, and Developmental Biology PhD, 2003

*Genetic and phenotypic characterization of the equine infectious anemia virus surface unit envelope glycoprotein during disease progression*

Dianna Jordan Veterinary Pathology PhD, 2003

*Novel E Coli O157:H7 colonization factors*

JoAnn Morrison Veterinary Clinical Sciences, MS, 2008, (acting major professor)

*Cytologic correlation of mast cell neoplasia*

Laura Baseler Animal Science, Meat Science, MS, 2009 *Effects of natural curing on meat quality*

Sarah Beth Genetics, Animal Science, PhD, 2010 *Genetic and dietary effects on chicken heterophil function and immune response to Salmonella enteritidis*

Redmond Immunobiology, PhD, 2012 *Zebrafish immunology, cell function, and mycobacterial interactions.*

Rachel Tell Interdepartmental Genetics, Department of Animal Science, PhD, 2018, *Chicken genetics in heat stress resistance*

Kaylee Rowland Veterinary Pathology PhD, 2025

Cheng-Shun Hsueh *Establishment and Validation of In Situ Diagnostic Assays and a Unified Genotypic Classification System for Avian Reoviruses*

Carly Kanipe Immunobiology/Veterinary Microbiology and Preventive Medicine, PhD, pending, *Interactions of BCG and Mycobacterium bovis*

International PhD students

Inger Lilliehook completed April 1999- Opponent for PhD candidate: Inger Lilliehook, College of Veterinary Medicine, University of Agriculture, Uppsala, Sweden. Dissertation: *Studies of blood eosinophils and neutrophil granulocytes in healthy and diseased dogs.*

Valarie Wong completed January 2014 – External examiner for PhD candidate: Valarie Wong, Department of Pathobiology, Ontario Veterinary College, University of Guelph, Canada, Dissertation: *Structure and functions of canine Protein C.*

Priscyla dos Santos Ribeiro completed PhD fall 2023. Dec 2022 – June 2023 visiting PhD Graduate Student. External reviewer and dissertation chapter co-author, Bióloga - Universidade Federal da Bahia (UFBA) Mestra em Microbiologia - PGMICRO UFBA. CAPES Sandwich Doctorate Fellowship, Iowa State University. ISU Sponsor- Dr. Claire Andreasen, co-sponsor USDA ARS Dr. Jarlath Nally. PhD defense September 2023. Dissertation: *Leptospirosis model in hamsters and deer mice; investigative study of biofilm.*

Naima Waheed pending PhD 2024

External Examiner for PhD candidate: Veterinary Science, University of Agriculture, Faisalabad, Pakistan. Dissertation: Epidemiological and pathomorphological investigations of avian salmonellosis in commercial and backyard poultry along with its zoonotic implications.

#### PROFESSIONAL PRACTICE/SERVICE DUTY

1996-present Cytology and clinical pathology laboratory review  
1994-1996 Cytology, clinical pathology laboratory review, and surgical biopsy.  
1990-1994 Cytology, clinical pathology laboratory review, surgical biopsy, and necropsy duty.  
1986-1990 Surgical biopsy, clinical cytology, and clinical pathology laboratory duty.

#### REFEREED JOURNAL PUBLICATIONS [\*graduate student; +veterinary student mentor]

Andreasen CB. Dietary and medical management of chronic renal failure in dogs and cats. **VM/SAC** 1983;78:62-65.

Andreasen CB, Mahaffey EA. Immunohistochemical demonstration of desmin in canine smooth muscle tumors. **Vet Pathol** 1987;25:211-215.

Andreasen CB, White MR, Swayne DE, Graves GN. Desmin as a marker for canine botryoid rhabdomyosarcomas. **J Comp Pathol** 1988;98:23-29.

Andreasen CB. Neurologic manifestations of ehrlichiosis in a dog. **Mod Vet Pract** 1988;69:96-97.

Andreasen CB, Mahaffey EA, Duncan JR. Intermediate filament staining in the histologic and cytologic diagnosis of canine skin and soft tissue tumors. **Vet Pathol** 1988;25:343-349.

Andreasen CB, Latimer KS, Kirscher IG, Brown J. Protein determination by refractometer and the biuret method in chickens and turkeys. **Avian Dis** 1989;33:93-96.

Andreasen CB, Latimer KS. Separation of avian heterophils from blood using Ficoll-Hypaque discontinuous gradients. **Avian Dis** 1989;33:163-167.

Latimer KS, Kircher IM, Andreasen CB. Separation of turkey heterophils from blood using two-step Ficoll-Hypaque discontinuous gradients. **Avian Dis** 1989;33:571-573.

Andreasen CB, Latimer KS. Cytochemical staining characteristics of chicken heterophils and eosinophils. **Vet Clin Pathol** 1990;19:51-54.

Andreasen CB, Latimer KS. Evaluation of chicken heterophil adherence. **Avian Dis** 1990;34:639-642.

Andreasen CB. What is your diagnosis - idiopathic hemorrhagic effusion. **Vet Clin Pathol** 1990;19:97-98.

Andreasen CB, Mahaffey EA, Latimer KS. What is your diagnosis - thymoma. **Vet Clin Pathol** 1991;20:15-16.

Andreasen CB, Latimer KS, Harmon BG, Glisson JR, Golden JM, Brown J. Heterophil function in healthy chickens and in chickens with experimentally-induced Staphylococcal tenosynovitis. **Vet Pathol** 1991;28:419-427.

Parnell PG, Andreasen CB. What is your diagnosis - branchial cyst. **Vet Clin Pathol** 1992;21:9.

Andreasen CB, Latimer KS. What is your diagnosis - septic meningitis. **Vet Clin Pathol** 1992;21:46.

deHaan JJ, Andreasen CB. Calcium crystal associated arthropathy (pseudogout) in a dog. **J Am Vet Med Assoc** 1992;200:943-946.

Andreasen CB, Carmichael P. What is your diagnosis - *Filaroides hirthi*. **Vet Clin Pathol**, 1992;21:77-78.

Andreasen JR, Andreasen CB. Intestinal adenocarcinoma in a chicken. **Avian Dis**, 1992;36:799-802.

Andreasen JR, Andreasen CB, Anwar M\*, Sonn AE. Heterophil chemotaxis in chickens with natural staphylococcal infections. **Avian Dis** 1993;37:284-289.

Andreasen CB, Huber MJ, Mattoon JS. Fibroadenomatous hyperplasia in the mammary gland of a goat. **J Am Vet Med Assoc** 1993;202:1279-1280.

Andreasen CB, Lovelady SD. Evaluation of equine ATIII levels using a chromogenic assay with a fixed band spectrophotometer. **Vet Clin Pathol** 1993;22:42-44.

Andreasen CB. What's your diagnosis - pulmonary carcinoma. **Vet Clin Pathol** 1993;22:67, 87-88.

Andreasen CB, Hedstrom OR, Allison PA. Mediastinal schwannoma in a horse--cytologic, histologic, and immunochemical evaluation. **Vet Clin Pathol** 1993;22:54-57.

Andreasen JR, Andreasen CB, Anwar M\*, Sonn AE. Chicken heterophil chemotaxis using staphylococcus-generated chemoattractants. **Avian Dis** 1993;37:835-838.

Andreasen CB, Gerros TC, Lassen ED. Evaluation of bone marrow content and stainable iron in healthy adult llamas. **Vet Clin Pathol** 1994;23:38-42.

Andreasen JR, Andreasen CB, Latimer KS, Oliphant JLH. Thoracoabdominal myelolipomas and carcinoma in a love bird (*Agapornis* sp.). **J Vet Diag Invest** 1995;7:271-272

Heidel JR, Philo LM, Albert TF, Andreasen CB, Stang BV. Serum Chemistry of Bowhead Whales (*Balaena mysticetus*). **J Wildlife Dis** 1996;32:75-79..

Andreasen CB, Duimstra J. Multicentric malignant lymphoma in a pallid bat. **J Wildlife Dis** 1996; 32:545-547.

Andreasen JR, Andreasen CB, Sonn AE, Robeson DC. Effects of hemolysis on serum chemistry measurements in poultry. **Avian Pathol** 1996; 25:519-536.

Pearson EG, Andreasen CB, Blythe LL, Craig AM. Atypical pneumonia associated with ryegrass staggers in calves. **J Am Vet Med Assoc** 1996;209:1137-1142.

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## **PRESENTATIONS by C. Andreasen:**

- May 1986            Andreasen CB: Immunohistochemical staining of canine cytologic and histologic preparations to diagnose soft tissue and subcutaneous tumors. Veterinary Pathology Departmental Research Seminar, Athens GA.
- 1986                Andreasen CB: AFIP Wednesday Slide Seminar Presentations: Lymphocytic cholangiohepatitis and nephritis in a cat.
- December 1986    Andreasen CB: Evaluation of a canine rhabdomyosarcoma with colloid gold immunoelectron microscopy. Course Presentation.
- May 1987            Andreasen CB: Chronic eosinophilic granulomatous pneumonia in a dog. Southeastern Veterinary Pathology Conference, Tifton, GA.
- 1987                Andreasen CB: AFIP Wednesday Slide Seminar Presentations: Pneumonia, eosinophilic granulomatous, chronic.
- November 1987    Andreasen CB: Intermediate filament staining in the cytologic and histologic diagnosis of canine skin and soft tissue tumors. Veterinary Pathology Departmental Research Seminar, Athens, GA.
- November 1987    Andreasen CB, Latimer KS: Slide review - Bacterial meningitis and septicemia. American Society for Veterinary Clinical Pathology. Monterey, CA.
- November 1987    Andreasen CB, Mahaffey EA, Duncan JR: Intermediate filament staining in the cytologic and histologic diagnosis of canine skin and soft tissue tumors. American College of Veterinary Pathologists, Monterey, CA.
- March 1988        Andreasen CB: Immunohistochemical techniques - application to skin and soft tissue tumors of dogs. Resident and intern seminar, Athens, GA.
- May 1988            Andreasen CB, Mahaffey EA: Eosinophilic pustular dermatitis. Sixteenth Annual Southeastern Veterinary Pathology Conference, Tifton, GA.
- July 1988          Andreasen CB, Latimer KS: Separation of avian heterophils from blood using Ficoll-Hypaque discontinuous gradients. Avian Medicine Section/ AAAP American Veterinary Medical Association Meeting, Portland, OR.
- November 1988    Andreasen CB: Separation of chicken heterophils and cell function studies. Veterinary Pathology Research Departmental Seminar, Athens, GA.
- February 1989     Andreasen CB: Neutrophils and cell function studies in man and animals. Resident and Intern Seminar, Athens, GA.
- March 1989        Andreasen CB, Latimer KS: Evaluation of chicken heterophil adherence. Southern Conference on Avian Diseases and Animal Parasites, Athens, GA.
- April 1989         Andreasen CB: Chicken heterophils - isolation and cell function studies. Department of Avian Medicine, Athens, GA.
- May 1989            Andreasen CB, Munsell CL, Prasse KW, Mahaffey EA: Focal cutaneous amyloidosis in a dog. Southeastern Veterinary Pathology Conference, Tifton, GA.
- November 1989    Andreasen CB, Latimer KS, Harmon BG, Glisson JR, Brown J: Evaluation of chicken heterophil adherence in healthy chickens and chickens with staphylococcal tenosynovitis. American Society for Veterinary Clinical Pathology, Baltimore, MD.

- January 1990      Andreasen CB: Evaluation and comparison of neutrophil and heterophil function. Research Seminar, Athens, GA.
- July 1990        Andreasen CB: Heterophil adherence, chemotaxis, phagocytosis and bacterial killing in healthy chickens and chickens with staphylococcal tenosynovitis. Research Seminar, Athens, GA.
- December 1990    Andreasen CB, Latimer KS, Golden JM: Flow cytometric analysis of heterophil phagocytosis in healthy chickens and in chickens with staphylococcal tenosynovitis. American Society for Veterinary Clinical Pathology, Phoenix, AZ.
- July 1991        Andreasen CB, Latimer KS, Golden JM: Flow cytometric analysis of heterophil phagocytosis in healthy chickens and in chickens with staphylococcal tenosynovitis. Avian Medicine Section/AAAP, American Veterinary Medical Association Meeting, Seattle, WA.
- March 1992      Andreasen CB: Avian heterophils and human neutrophils - similarities and differences. Research Seminar, Corvallis, OR.
- May 1992        Andreasen CB: Epizootic bovine abortion. Southeastern Veterinary Pathology Conference, Tifton, GA.
- November 1992    Andreasen CB, Lovelady S: Evaluation of equine ATIII levels using a chromogenic assay with a fixed band spectrophotometer. American College of Veterinary Pathologists, San Diego, CA.
- April 1993      Andreasen CB: Intermediate filaments and tumor diagnosis: An example of test evaluation (specificity, sensitivity, predictive values). Graduate student seminar, College of Veterinary Medicine, Corvallis, OR.
- October 1993     Andreasen CB, Lovelady S. Evaluation of equine AT III levels using a chromogenic assay with a fixed band spectrophotometer. American Association of Veterinary Laboratory Diagnosticians, Las Vegas, NV.
- December 1993    Andreasen CB, Gerros TC, Lassen ED. Evaluation of cellularity, erythroid, and myeloid populations, and stainable iron content in bone marrow from llamas. American Society for Veterinary Clinical Pathology, San Antonio, TX.
- December 1993    Andreasen CB, Rickard L. Cellular and biochemical contents of cisternal and lumbosacral fluid in healthy llamas from Oregon. American Society for Veterinary Clinical Pathology, San Antonio, TX.
- June 1994        Andreasen CB. Clinical chemistry manifestations of toxicologic and nutritional problems in large animals. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- June 1994        Andreasen CB. Clinical pathology of llamas-beyond oval red cells. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- June 1994        Andreasen CB. Adrenal disease-comparison of horses and companion animals. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- June 1994        Andreasen CB. Case studies in large animal renal disease. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- August 1994      Andreasen CB. Evaluation of leukocyte function in birds. VIth Congress of the International Society for Animal Clinical Biochemistry; American Society for Veterinary Clinical Pathology Avian Hematology Workshop, Guelph, Canada. (Invited)

- October 1994      Andreasen CB, Snyder SP, Keck TM, Poppenga RH, Braselton WE: Sudden death and hepatopathy associated with elevated hepatic iron levels in Northwestern horses. American Association of Veterinary Laboratory Diagnosticians, Grand Rapids, MI.
- May 1995          Mahaffey, EA, Duncan JR, Andreasen CB (presenter). *Morganella Morganii* enteritis in a Burmese Python. Southeastern Veterinary Pathology Conference, Tifton, GA.
- November 1995    Andreasen CB, Andreasen JR, Thomas JS. Effects of hemolysis on serum chemistry analytes in ratites. American College of Veterinary Pathology, Clinical Pathology Section, Atlanta, GA.
- December 1996    Andreasen C, Pearson E, Smith B, Lassen E, Gerros T. Normal reference ranges and the effects of time and feeding on bile acid concentrations in llamas. American Society of Veterinary Clinical Pathology, Seattle, WA.
- December 1996    Andreasen CB, Newell TK, Gerros TC. Diffuse mesothelioma in a horse. American Society of Veterinary Clinical Pathology, Seattle, WA.
- November 1997    Andreasen C, Jergens A, Hagemoser W. Criteria for gastrointestinal cytology. American College of Veterinary Pathologists (Clinical Pathology Section), Albuquerque, NM.
- November 1997    Andreasen CB, Kramer TT, James MA. Comparison of heterophil phagocytosis for heterophil-adapted *Salmonella enteritidis* (HASE), Wild type *Salmonella enteritidis* (SE), and *Salmonella choleraesuis* (SCS). 78th Conference of Research Workers in Animal Diseases. Chicago, IL.
- March 1998        Andreasen CB, Kramer TT, James MA. Comparison of heterophil phagocytosis for heterophil-adapted *Salmonella enteritidis* (HASE), Wild type *Salmonella enteritidis* (SE), and *Salmonella choleraesuis* (SCS). Western Poultry Disease Conference. Sacramento, CA. Best poster presentation award.
- March 1998        Andreasen CB. Regulation of granulocyte function by ascorbic acid: clinical implications. Microbiology, Immunology, and Preventative Medicine Departmental Seminar. Ames, IA.
- June 1999         Andreasen C, Cowan L, Fenwick B. Erythrocyte morphology in greyhounds with cutaneous and renal vasculopathy. College of Veterinary Internal Medicine, 17<sup>th</sup> Annual Veterinary Medical Forum, American College of Veterinary Internal Medicine, Chicago, IL.
- June 1999         Andreasen CB. Neutrophil function and clinical application. College of Veterinary Internal Medicine, 17<sup>th</sup> Annual Veterinary Medical Forum, Chicago, IL. (invited)
- November 1999    Andreasen C, Licklider B, Fulton C. Utilization of a multi-disciplinary resource group for student learning. 50<sup>th</sup> Meeting, American College of Veterinary Pathologists, Education Section, Chicago, IL.
- June 2001         Andreasen CB. Granulocyte function disorders. Hematopoetic and lymphoid pathology. CL Davis Foundation, University of Illinois, Urbana-Champaign. (Invited)
- July 2001         Andreasen CB, Nelson OL. The use of a plasma D-dimer assay to detect thromboembolic disease in the dog. X International Symposium of Veterinary Laboratory Diagnosticians. Salsomaggiore, Italy.
- November 2001    Andreasen CB, Nelson OL. The use of a plasma D-dimer assay to detect thromboembolic disease in the dog. American Association of Veterinary Laboratory Diagnosticians. Hershey, PA.

- November 2002     Andreasen CB. The cytology of neoplasia. The XVIII PanAmerican Congress of Veterinary Sciences, Havana, Cuba. (invited)
- June 2003         Andreasen CB, Greenlee J. The Continued Emergence of Leptospirosis- Animal Models and Vaccine Development. Seventh Biennial Conference of the Society for Tropical Veterinary Medicine, Vaccine Session, Iguazu Falls, Brazil, 2003.
- July 2003         Andreasen CB, Frank DE, Kinyon J. The effect of ascorbic acid on egg contamination, fecal shedding, and heterophil bacterial killing during Salmonella enteritidis infection. World Poultry Veterinary Association/AAAP. Denver, CO 2003.
- November 2003     Andreasen C, Fales-Williams A, Reynolds D, Ackermann M, Griffith R. A DVM summer scholars program-training future scientists. American College of Veterinary Pathologists and American Society for Veterinary Clinical Pathologists. Banff, CA.
- July 2004         Andreasen C, Frank D. Avian heterophil function and regulation during inflammatory disease. Proceedings of the AVMA/AAAP. Philadelphia, PA.
- November 2004     Andreasen CB, Myers RK. Global perspectives – the veterinary pathologist’s role. American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology annual meeting, Orlando, FL.
- June 2005         Andreasen C. Antemortem diagnosis of thromboembolic disease; Utility of D-dimers and FDPs. College of Veterinary Internal Medicine, Annual Veterinary Medical Forum. Baltimore, MD. (invited)
- June 2005         Andreasen C. The platelet and its other life; the role in carcinogenesis and infectious diseases. College of Veterinary Internal Medicine, Annual Veterinary Medical Forum, Baltimore, MD. (invited)
- November 2005     Andreasen C, Sorden S, Roth J, Blanchard T, Metwally S, McKenna T. A digital image base to enhance foreign animal disease education. Proceedings of the American Association of Veterinary Laboratory Diagnosticians 48<sup>th</sup> Annual Conference. Hershey, PA.
- December 2006     Andreasen C. Thromboembolic disease – The utility of D-dimers and FDPs. Proceedings of the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. 57<sup>th</sup> annual meeting, Tucson, AZ. (invited)
- December 2006     Andreasen C, Sorden S, Roth J, Blanchard T, Metwally S, McKenna T. A pathology image data base for foreign, emerging and zoonotic animal diseases. The American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. 57<sup>th</sup> annual meeting, Tucson, AZ.
- March 2007         Andreasen CB, Roth JA, Suarez DL, Senne DA. Training resources for prevention and intervention strategies during Avian Influenza Outbreaks. 56<sup>th</sup> Annual Western Poultry Disease Conference, Las Vegas.
- April 2007         Andreasen C, Sorden S, Roth J, Blanchard T, Metwally S, McKenna T. A Pathology Image Data Base for Zoonotic and Emerging Animal Diseases. AAVMC/ASPH Joint Symposium - Partnerships for Preparedness: Future Directions for Schools of Public Health and Colleges of Veterinary Medicine. Atlanta, GA.
- June 2007         Andreasen CB. Using clinical pathology cases to teach clinical pathology and pathology. First Regional Conference on Veterinary Education; 9<sup>th</sup> Regional Conference in Animal Clinical Pathology and Therapy. Palic, Serbia.
- December 2007     Andreasen CB. A Pathology Image Database for Zoonotic and Emerging Diseases. Iowa Emerging Infectious Diseases Conference, University of Iowa, College of Public Health.

November 2008      Andreasen CB. Granulocyte function and bacterial disease. ISU/UI Meeting for the Vaccine Institute. Newton, IA.

June 2010            Andreasen CB, Roth JA. CEEZAD Education and outreach projects. Education 1<sup>st</sup> Annual Meeting for Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD). Kansas State University, Manhattan, KS. (invited)

November 2010      Roth JA, Andreasen CB (presenter). Education Consortium, APHIS Veterinary Services Leadership- Panel Discussion. USAHA/AAVLD. Minneapolis, MN. (invited)

February 2011      Roth JA, Andreasen CB (presenter). Overview of education and outreach overlay projects. (invited) Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD) 2011 annual meeting. Florida.

March 2011          Andreasen CB, Wall J. Partnerships to ensure transport of eggs and egg products during a catastrophic disease outbreak. 5<sup>th</sup> Annual DHS University Network Summit 2011, Washington DC. <http://www.homelandsecurity.org/ReportList.htm>

October 2011        Andreasen CB. Overview of the business continuity plan for the poultry, pork and dairy industries. (invited) FAZD Center Agricultural Screening Tools III, Des Moines, IA.

August 2012         Andreasen CB, Roth JA. Iowa animal agriculture emergency response system, AVMA Meeting, Section: Public and Corporate Practice, Subsection: Current Issues/Advances. San Diego, CA.

April 2013            Andreasen CB, Roth JA. CEEZAD/USDA Higher Education grant: web-based continuing Education courses for veterinarians, graduate students, medical and public health professionals. Education and outreach presentations. CEEZAD Annual Meeting. Nebraska City, NE

March 2014          Andreasen CB. Educational Resources at Iowa State College of Veterinary Medicine; One Health Initiative at Iowa State University, Connecting Education, Research and Outreach. Co-presenters: LK Nolan, Q Zhang. American Association of Veterinary Medical Colleges, Washington DC.

September 2014    Andreasen CB. Developing training programs to support new technology- Panelist. Center of Excellence for Zoonotic Animal Disease Defense (CEEZAD/IIAD) Annual Meeting. Nashville, TN. (invited)

May 2015             Andreasen CB. Department of Homeland Security Education Fair. Washington DC.

October 2017        Andreasen CB. One Health - the Time is Now. 8<sup>th</sup> International Conference on Animal Health and Veterinary Medicine; One Health - One Society; Toronto, Canada. One Health keynote and session co-chair. (invited)

April 2018            Andreasen CB, Viall A. Webinar case presentations for the American Society for Veterinary Clinical Pathology (ASVCP).

June 2018            Andreasen CB, Roth JA. Insights gained for surveillance and biosecurity from the 2015 High Pathogenicity Avian Influenza (HPAI) outbreaks in the Midwestern U.S., 5<sup>th</sup> International One Health Congress, Saskatoon, Canada.

November 2019      Andreasen CB, Santos AP, Hodapp A. Fecal *Saccharomyces cerevisiae* resembling other pathogenic yeast in two kittens. American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. 70<sup>th</sup> Annual meeting, San Antonio, Tx C-05.

- November 2019     Andreasen CB, Hines E+. Comparative hematology - Inappropriate metarubricytosis in canine and human diseases. American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology, 70<sup>th</sup> Annual meeting, San Antonio, Tx. C-01.
- May 2021           Andreasen C. One Health – Our Role. BioConnect Iowa; Vaccines and Immunotherapeutics platform. Virtual meeting, Live Q&A. (invited keynote)
- July 2021           Andreasen C., Moderator NIAMRRE One Health Round Table, NIAMRRE Research Symposium –panelists Drs. Laura Kahn, Bernadette Dunham, Lonnie King, virtual.
- August 2021       Andreasen C, Pineyro-Pineiro P. National Veterinary Student Scholars Symposium. Meet the expert panel-Diagnostic Pathology, virtual.
- November 2023     Andreasen CB, Ngonyama DR, Zamzow J. Panel discussion. Research Hot-Topics: Research Integrity in Practice and How to stay out of trouble, ISU for the College of Veterinary Medicine. (invited)
- April 2025         Andreasen CB, Boggiatto P, Palmer M, Fernandes L VG, Tibbs-Cortes B, Stasko JA, Hamond C, Olsen S, Nally JE, Putz EJ. Peromyscus Deer Mice as an Acute Rodent Model of Leptospirosis. **American Society for Investigative Pathologists (ASIP), Pathobiology Meeting**, Portland, OR, Poster #23, April 2025. (poster presented, unable to attend)

**PRESENTATIONS AND PROCEEDINGS FOR FACULTY/GRADUATE ADVANCEMENT AND DIVERSITY**

- September 2004    Andreasen CB. How I Did It- Senior Women Faculty. Panel presentation and discussion with J. Bystydzienski and C. Cutrona. Iowa State University (invited)
- March 2006         Andreasen C, Carlson S, MacDonald R, Matibag E, Myers E, Zhu D. Recruiting and retaining a diverse and excellent faculty. 7<sup>th</sup> annual Iowa State University Conference on Race and Ethnicity (ISCORE), Ames, IA.
- November 2006     Andreasen C, Carlson S, Brooke C, Brumm T. Supporting Flexible Faculty Roles: An Integrated Model for Administrative-Faculty Partnership. Association of American Colleges and Universities, Chicago, IL.
- December 2006     Andreasen C. Work-life issues for academic faculty. Proceedings of the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. 57<sup>th</sup> annual meeting, Tucson, AZ. (invited)
- March 2007         Carlson S, Andreasen C (presenter). The Collaborative on Academic Careers in Higher Education (COACHE) survey - faculty satisfaction and experiences related to diversity. 8<sup>th</sup> Annual Iowa State University Conference on Race and Ethnicity (ISCORE), Ames, IA.
- April 2007         Carlson S, Andreasen C (presenter). Making Progress on a Science and Technology Campus--Policies, Practices, and Assessments. Keeping Our Faculties IV: Recruiting, Retaining, and Advancing Faculty of Color, Minneapolis, MN.
- February 2008     Andreasen CB. Career Flexibility for Graduate Students. University of Florida Spring Symposium on Career Flexibility. Gainesville, Fl. (invited)
- October 2009       Andreasen CB, Wendel J. (Invitation from Provost Hoffman and Associate Provost Carlson). Mentoring and supporting junior faculty: a culture of excellence, collegiality, and collaboration. Iowa State University, Deans and Chairs meeting, Ames, IA.

- April 2012      Andreasen CB. Leadership Ames, Iowa State University Day. Panel representing the ISU Veterinary College. Ames, IA.
- March 2013      Andreasen CB. Career choices and mentorship. ISU Agriculture and Natural Resources/Extension – Women and careers luncheon presentation. ISU, Ames IA.
- September 2014      Andreasen CB. The perfectionist complex- panelist. ISU CVM meeting of the Women’s Veterinary Leadership Development Initiative. Ames, IA. (invited)
- March 2015      Andreasen CB, Blodgett S, Ching B, Constant K, Hayes C. The Graduate Leadership Academy Panel, ISU. (invited)
- January 2016      Andreasen CB, Ching B, Constant K, Strathe M, White P. The Graduate Leadership Academy Panel, ISU. (invited)
- November 2017      Andreasen CB, Cutrona C, Lamont S, Oberhauser A. The Graduate Leadership Academy Panel, ISU. (invited)
- March 2025      Andreasen CB, Gansemer-Topf A, Rosentrater K. Emerging Leaders Graduate College Panel – Mentoring. ISU (invited).

#### **SEMINARS IOWA STATE UNIVERSITY**

- February 2004      Andreasen CB. “Animal and Environmental Welfare- The Swedish Perspective.” Animal Science Seminar.
- March 2004      Andreasen CB. “Immunomodulatory Stimulation of Host-Response to *Salmonella enteritidis*.” The Osborn Club, Iowa State University.
- January 2015      Andreasen CB. Working Together to Improve Animal and Human Health, Agricultural Think Tank, Ames, IA (invited)
- April 2017      Barkley M\*, Andreasen C. The Effect Humans have on the Raptor Population. Honors Student Poster Presentation. Ames, IA. (\*student)
- Nov 2021      Andreasen CB. Opportunities in One Health. CVM Student Public Health Club. Invited.

#### **PRESENTATIONS FOR VETERINARIANS/CONTINUING EDUCATION**

- July 1990      Andreasen CB: Diagnostic Cytology for the Practitioner, University of Georgia Continuing Education. University of Georgia, Athens, GA.
- November 1993      Andreasen CB, Gerros TC. Obtaining and interpreting large animal respiratory cytology. Continuing Education Weekend for Veterinarians, Corvallis, OR.
- November 1993      Andreasen CB, Hall, J. Obtaining and interpreting small animal respiratory cytology. Continuing Education Weekend for Veterinarians, Corvallis, OR.
- December 1994      Andreasen CB, Lassen ED. Hematology and cytology of food animals. Annual Fall Conference for Veterinarians, Corvallis, OR.
- December 1994      Andreasen CB, Lassen ED. Hematology and cytology of companion and exotic animals. Annual Fall Conference for Veterinarians, Corvallis, OR.
- June 1995      Andreasen CB. Hematology and clinical pathology of llamas. OVMA Conference, Sunriver, OR.

- June 1995      Andreasen CB. Exotic avian and ratite hematology and cytology. OVMA Conference, Sunriver, OR.
- December 1995      Andreasen CB, Andreasen JR. Exotic avian and ratite hematology, cytology, and necropsy. Third Annual Fall Conference for Veterinarians, Corvallis, OR.
- January 1997      Andreasen CB. Hematology and cytology - cell identification as another piece of the diagnostic puzzle. Iowa Veterinary Medical Association-Veterinary Technician Section, Des Moines, IA.
- June 1997      Andreasen CB. Hematology, cytology, instrumentation, and laboratories-putting it all together to solve the diagnostic puzzle. NDSU Extension Service and NDVMA Continuing Education for Veterinarians, Fargo, ND.
- January 1998      Andreasen CB. Clinical Pathology - In-house versus sending out testing. College of Veterinary Medicine ICN Series, Iowa State University.
- February 1998      Andreasen CB. Erythrocytes and anemias. College of Veterinary Medicine ICN Series, Iowa State University.
- February 1998      Andreasen CB. Bovine leukocytes and platelets . College of Veterinary Medicine ICN Series, Iowa State University.
- March 1998      Andreasen CB. Evaluation of respiratory cytology. College of Veterinary Medicine ICN Series, Iowa State University.
- April 1998      Andreasen CB. Cytology of tumors and lymph nodes. College of Veterinary Medicine ICN Series, Iowa State University.
- April 1998      Andreasen CB. Companion animal leukocyte responses. College of Veterinary Medicine ICN Series, Iowa State University.
- September 1998      Goldman E, Andreasen C. Preparation and cytologic evaluation of fine needle aspiration biopsy specimens. Clinical laboratory, Iowa Veterinary Medical Association Annual Meeting. Ames, IA.
- March 1999      Andreasen CB, Howard M. Clinical pathology-case study. College of Veterinary Medicine ICN Series, Iowa State University.
- April 1999      Andreasen CB. Erythrocyte morphology and mechanisms-understanding the diagnostic puzzle. College of Veterinary Medicine, University of Agriculture, Uppsala, Sweden. (Invited)
- July 1999      Andreasen CB. Getting the most out of your hematology report. College of Veterinary Medicine ICN Series, Iowa State University.
- July 1999      Andreasen CB. Solving the anemia diagnostic puzzle- classifying anemias- what we need to know. Audiovisual presentation. Am Vet Med Assoc, New Orleans, LA.
- July 1999      Andreasen CB. Solving the anemia diagnostic puzzle- how erythrocyte morphology can help. Audiovisual presentation. Am Vet Med Assoc, New Orleans, LA.
- September 2000      Andreasen CB. Urinalysis and cytology. Wet lab. Iowa Veterinary Medical Association-Veterinary Technician Section, Ames, IA.
- September 2001      Andreasen CB. Cytology: Sample collections-staining-slide evaluation. Iowa Veterinary Medical Association 119<sup>th</sup> Annual Meeting, Ames, IA.

- September 2001     Andreasen CB. Clinical pathology practice tips. Iowa Veterinary Medical Association 119<sup>th</sup> Annual Meeting, Ames, IA.
- July 2002            Andreasen CB, Troxel M. Cytology of neoplasia in the dog and cat. Audiovisual presentation. Am Vet Med Assoc, Nashville, TN.
- October 2003        Andreasen CB. Case Studies: Solving Diagnostic Dilemmas. Eastern Iowa Veterinary Medical Association, Iowa City, IA.
- September 2004     Andreasen CB. The top ten list- Questions you ask a clinical pathologist. Iowa Veterinary Medical Association 122<sup>nd</sup> Annual Meeting, Ames, IA.
- June 2007            Andreasen CB. Clinical Pathology Teaching. In association with the 9<sup>th</sup> Regional Conference in Animal Clinical Pathology and Therapy. Palic, Serbia.
- February 2011       Andreasen CB. Clinical pathology of llamas- beyond oval red cells. Iowa State Camelid Symposium, Ames, IA.

### **PRESENTATIONS FOR PRODUCER/COMMODITY GROUPS**

- March 1995          Andreasen CB. Iron deficiency anemia and iron metabolism in llamas. 8<sup>th</sup> Annual Llama Herd Health Seminar, Corvallis, OR.
- November 1995      Andreasen JR, Andreasen CB(presenter). What a diagnostic laboratory and clinical pathology laboratory can do for you. Region 4 of the Oregon Emu Association, Keizer, OR.
- March 1996          Andreasen CB. Case studies in clinical pathology. 9<sup>th</sup> Annual Llama Herd Health Seminar, Corvallis, OR.
- December 1997      Andreasen CB, Roth J, Frank D. Mechanisms of vitamin C in preventing avian staphylococcal osteomyelitis and arthritis. Healthy Livestock Initiative Committee (ILHAC).

### **FUNDED GRANTS** (PI listed first)

University of Georgia

Duncan JR, Mahaffey EA, Andreasen CB (Andreasen wrote grant proposal): Immunohistochemical staining in the cytologic diagnosis of canine skin tumors. Morris Animal Foundation, Englewood, CO. 1986-1987. \$6,535.

Duncan JR, Mahaffey EA, Andreasen CB: Immunohistochemical staining in the cytologic diagnosis of canine skin tumors. Veterinary Medical Experiment Station (VMES), University of Georgia. 1986-1987. \$5,500.

Latimer KS, Andreasen CB, Glisson JR: Clinical Pathology and cell function studies in healthy chickens and chickens with *Staphylococcal tenosynovitis*. VMES Poultry Disease and Research Center, University of Georgia. 1987-1988. \$18,985.

Latimer KS, Andreasen CB, Glisson JR: Clinical pathology and cell function studies in healthy chickens and chickens with *Staphylococcal tenosynovitis*. VMES Poultry Disease and Research Center, University of Georgia. 1988-1989. \$19,858.

Latimer KS, Andreasen CB, Glisson JR: Clinical pathology and cell function studies in healthy chickens and chickens with *Staphylococcal tenosynovitis*. VMES Poultry Disease and Research Center, University of Georgia. 1989-1990. \$22,490.

Oregon State University

Andreasen JR, Andreasen CB: A Comparison of pathogenic and nonpathogenic staphylococcal chemotactic abilities for human neutrophils and avian heterophils. National Institute of Health-Public Health Services, Oregon Research Council, Oregon State University. 1991-1992. \$8,000.

Andreasen CB: A Comparison of avian heterophil and human neutrophil phagocytosis of *Staphylococcus aureus* (capsular types 5 and 8) by flow cytometric analysis. Medical Research Foundation of Oregon. 1992-1993. \$14,772.

Andreasen CB: Flow cytometric analysis of the phagocytosis of *Staphylococcus aureus* (capsular types 5 and 8) by avian heterophils and human neutrophils. National Institute of Health - Public Health Services, Oregon. Research Council, Oregon State University. 1992-1993. \$8,000.

Andreasen CB, Andreasen JR, Sonn AE: Evaluation of avian heterophil function: phagocytosis, killing, and immunomodulating drugs. Oregon State College of Veterinary Medicine 1993-1994. \$6600.

Pearson EG, Craig AM, Andreasen CB, Blythe LL: Perennial ryegrass staggers and atypical pneumonia in Oregon cattle. Oregon State College of Veterinary Medicine 1994. \$6120.

Hall JA, Gradin JL, Andreasen CB: Hepatic secretion of triglyceride: Use of Triton WR 1339 in normal cats and cats with idiopathic hepatic lipidosis. IAMS Company 1994-1995. \$29,142.

Andreasen JR, Andreasen CB: Evaluation of avian heterophil function: bactericidal killing. Oregon State College of Veterinary Medicine. 1994-1995. \$6000.

Andreasen CB, Andreasen JR: The effects of hemolysis on serum chemistry values in broiler & layer chickens and in turkeys. Oregon State College of Veterinary Medicine. 1994-1995. \$6600.

Andreasen CB, Gerros TC: Normal reference ranges of bile acids in llamas and evaluation of the effects of time and feeding. Willamette Valley Llama Association. 1994-1995. \$3600.

Pearson EG, Andreasen CB: Chronic iron toxicity in equidae. Oregon State College of Veterinary Medicine. 1995-1996. \$7350.00.

Andreasen CB, Andreasen JR, Sonn AE: Interaction of heterophils and bacterial killing with immunomodulating drugs. Oregon State College of Veterinary Medicine. 1995-1996. \$6900.00.

Andreasen CB, Andreasen JR, Savage TF: Effects of ascorbic acid on disease manifestations of staphylococcal arthritis and osteomyelitis. Agricultural Research Foundation. 1996-1997. \$6800.00. (Money returned since left institution).

Iowa State University

Roth JA, Andreasen CB, Sorden S: Research position for a newly formed granulocyte research group. HLI Research Support Position Grant. \$27,709 per year. 1996-1999.

Andreasen CB, Roth JA, Frank DE. Mechanisms of antioxidant interactions with avian polymorphonuclear cells and implications for disease prevention. USDA Formula Funds. 1996-1997. \$10,633.

Andreasen CB, Roth JA, Frank DE. Mechanisms of antioxidant interactions with avian polymorphonuclear cells and implications for disease prevention. USDA Formula Funds. 1997-1998. \$14,000.

Kramer T, Andreasen CB. Selection of Salmonella for avirulence and immunogenicity. Healthy Livestock Initiative (HLI) Renewal. \$20,000. 1997-1998. Year 2.

Andreasen CB, Noxon JO, Frank DE. Studies of canine immunocellular function in staphylococcal pyoderma and treatment with immunomodulating drugs. Small Animal Grants Program, ISU. 1997-1998. \$11,000. Year 1.

Andreasen CB, Noxon JO, Frank DE. Studies of canine immunocellular function in staphylococcal pyoderma and treatment with immunomodulating drugs. Small Animal Grants Program, ISU. 1998-1999. \$12,000. Year 2.

Andreasen CB, Ackermann MR, Moon HW. Correlation of Erythrocyte Morphology, Coagulation and Fibrinolysis, and Shiga Toxin Levels in a Bovine Model Utilizing *Escherichia coli* O157:H7 and Implications for Hemolytic Uremic Syndrome. Special Research Initiation Grant Proposal, ISU, 1998-1999. \$10,000.

Andreasen CB, Kramer TT. The use of flow cytometry to determine the pathogenicity of *Salmonella enteritidis*. University Research Grant, ISU, 1998. \$14,992.

Kramer TT, Andreasen CB. Live vaccine against egg-transmission of *Salmonella enteritidis*. Iowa Livestock Health Advisory Council (ILHAC) 2<sup>nd</sup> year. \$19,000. 1998-1999.

Andreasen CB. Multimedia clinical pathology program: erythrocytes in health and disease. Instructional Developmental Grant, ISU, 1998-1999. \$2000.

Rasmussen L, Andreasen CB (mentor). Role of ascorbic acid in regulating *in vitro* granulocyte (neutrophil and heterophil) bacterial killing. Merck/Merial Summer Veterinary Research Scholars Program. 1998. \$5000.

Rosenbusch RF, Hagemoser WA, Andreasen CB. Characterization of systemic effects produced by *Mycoplasma bovis*. Healthy Livestock Initiative, ISU, 1998-1999. \$20,000. Year 1.

Kline K, Andreasen CB. Differentiation of canine central nervous system diseases producing pleocytosis. Small Animal Grants Program, ISU. 1998-1999. \$10,600. Year 1.

Kline K, Andreasen CB. Differentiation of canine central nervous system diseases producing pleocytosis. Small Animal Grants, Iowa State, 1998-2000. \$11,917, year 2.

Wunn D, Andreasen CB(mentor). Endothelial cell-RBC interactions during hemolytic-uremic syndrome. Graduate/resident research incentive grants. 1999. \$5000.

Bolin CA, Cheville NF, Andreasen CB, Zuerner RL. Development and evaluation of a new trivalent leptospiral vaccine for dogs. Biotechnology Research and Development Corporation. \$72,000. 1999-2000.

Licklider B, Andreasen C, Findlay R, Fowles D, Fulton C, Hendrich S, Huba M, Huiatt T, Reitmeier C, Schimelfenig C, Standly B, Vrchota D, Ware W. Promoting the scholarship of teaching through classroom-based research. Miller Faculty Fellowship. \$25,000. 1999-2000.

Lauer S, Morrison JA, Baldwin CJ, Andreasen CB, Kinyon JM. Subcutaneous totally implantable vascular access systems for feline blood donor populations. Small Animal Research Grant, \$6000, 2000-2001.

Andreasen CB, Bolin CA, Cheville NF, Zuerner RL. Development and evaluation of a new leptospiral vaccine for dogs. Biotechnology Research and Development Corporation. \$75,000. 2000-2001.

Andreasen CB, Nelson L, Ware W. The role of plasma D-dimer to detect pathologic thromboembolic disease in the dog. Morris Animal Foundation. 1999-2001. \$8,210.

Greene S, Andreasen CB (mentor), Baldwin CJ. Comparison of greyhound and non-greyhound platelet counts and platelet function using platelet agonists and shiga toxin. Merck/Merial Summer Veterinary Research Scholars Program. 2000. \$3000.

Andreasen CB, Frank D, Kinyon J. The effect of stress (corticosterone) and ascorbic acid on egg contamination, fecal shedding, and heterophil bacterial killing during *Salmonella enteritidis* infection. ILHAC. \$20,000. 2001.

Greenlee J, Andreasen CB (mentors for Tyson Marshall). Decreased platelet numbers accompanied by gross lesions and other clinicopathologic abnormalities in a guinea pig model of leptospirosis. Merck/Merial Summer Veterinary Research Scholars Program. 2002. \$3000.

Reynolds D, Andreasen CB, Uhlenhopp E. Summer research training of veterinary students. Short-term training for medical students (T35) National Institutes of Health (NIDDK). Continuation 2002-2003 (total \$218,538. 1999-2004.)

Bender H, Danielson J, Mills E, Vermeer P, Andreasen C (collaborator). Creating and distributing a comprehensive on-line learning system for diagnostic reasoning. Department of Education, Learning Anywhere, Anytime Partnership (LAAP)- Fund for the Improvement of Postsecondary Education. 2002-2005, \$959,989.

Mills EM, Bender HS, Danielson JA, Vermeer PJ, Andreasen CB. Teaching Food Animal Diagnostic Skills: A Multi-Institutional Web-Based Approach. USDA-CRESS Higher Education Challenge Grant final year 2004, \$61,208.

Danielson JA, Fales-Williams A, Myers R, Mills EM, Sorden S, Bender H, Andreasen C. Problem solving, communication, critical thinking, and peer assessment: integrating continuous improvement planning into the veterinary pathology curriculum. Miller Fellowship, Iowa State University, 2003-2005, \$25,000.

Andreasen CB, Frank D, Kinyon J. The effect of ascorbic acid on egg contamination, fecal shedding, and heterophil bacterial killing during *Salmonella enteritidis* infection. Midwest Poultry Consortium, 2003-2005, \$25,000.

Cornick N, Andreasen C, Doyle R, Lipert R. Binding and detection of Shiga toxin in blood. ISU University Research Grant. 2003-2004, \$17,343.

Andreasen C, Sorden S, Roth J. A digital image database to enhance foreign animal disease education. USDA Higher Education Challenge Grant. 2005-2007, \$141,262.

Andreasen C, Roth J. Immunomodulatory screening of yeast compounds. Diamond V Mills. 2005-2007. \$85,792.

Palić, D, Andreasen C, Roth J. Enhancing Collaboration and Transfer of Research Methodology with Norwegian National Veterinary Institute and Norwegian School of Veterinary Science, Council on International Programs, Iowa State University, 2006, \$4,708.

Carlson S, Allen B, Andreasen C (co-PI) (Office of the Provost). Flexible faculty careers in the public university-Iowa State University, a change agent for public universities. Alfred P. Sloan Foundation Accelerator Award. 2006-2007, \$25,000.

Ackermann M, Andreasen C. ACVP/STP coalition for PhD dissertation training in anatomic pathology. ACVP/STP Coalition for Veterinary Pathology Fellows. 2006-2009, \$204,905.

Roth J, Andreasen C. Tulathromycin loading and localization in bovine neutrophils and influence on neutrophil function. Pfizer Animal Health. 2006-2008, \$239,825.

Lamont S, Palić, D, Andreasen C. Functional genomics and cellular immunity to Salmonella. NRICGP CSREES-USDA, Animal Genome 43.0, 2007-2009, \$472,346.

Andreasen C, RK Myers. ACVP/STP coalition for residency training in anatomic pathology. ACVP/STP Coalition for Veterinary Pathology Fellows. 2007-2010. \$192,419.

Andreasen C (PI), Collaborators: Millman S, Plummer C, Plummer P, West J. Increasing women's awareness and leadership in global food production. ISU Women's Enrichment Fund Mini-Grants. 2010. \$3120.

Roth JA, Andreasen CB. Subcontract for Education in the Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD); Foreign Animal Disease Education. DHS. \$110,000; 2010.

Roth JA, Andreasen CB, Wall J. Education and Outreach Section, National Center for Foreign Animal and Disease Defense (FAZD), Texas A&M, A decision support system (dashboard) for egg movement. \$25,000; 2010.

Roth JA, Andreasen C, Flaming K. National Center for Foreign Animal and Zoonotic Disease Defense: Enhance and Demonstrate Critical Information for Iowa Animal Agriculture Emergency Response on the FAZD Dashboard TX A&M. \$74,000. 9-1-10 to 6-30-12 Proj # TxAgLife 570696

Simmons H (PI), Roth JA, Andreasen C, Pina M, Hullinger P, Mantelone B. Renewal of the HS- STEM Career Development Program for Foreign Animal and Zoonotic Disease Defense Department of Homeland Security HS-STEM Career Development Grants Program. GRANT10804858 11-60502 Opportunity Number: DHS-11-ST-104-001. 2011 – 2013. \$491,688.00

Roth JA, Andreasen C. Vaccines and Diagnostics for Transboundary Animal Diseases Meeting. DHS 2011-2012 \$182,660 (Direct; \$87,676 IDC; \$270,336)

Roth, J, Mogan J, Flaming K, Andreasen C, Engage to Excel (E2E)—Maintaining Business Continuity and Performing Risk Management during an Animal Disease Outbreak. National Center for Foreign Animal and Zoonotic Disease Defense (FAZD), Texas A&M University Subcontract ISU. \$169,001; total budget \$447,768 (includes IDCs) 7-1-12 to 6-30-14

Roth J PI; Co-PI Andreasen C. DHS Center of Excellence for Zoonotic and Animal Disease Defense - Education and Outreach Component. DHS, Kansas Subcontract. \$1,684,253 (6 yr), 7-1-12 to 6-30-15

Roth J PI, Co-PIs Andreasen C, Hostetter J, Flaming K, Dvorak G. DHS Center of Excellence for Emerging and Zoonotic and Animal Diseases - Education and Outreach Component \$80,000, Kansas State/DHS, 7-1-14 to 6-30-15 (ex 6-30-16) 404-2316.

Mosier D (KSU), Co-PIs: Roth J (ISU), Williams B (AFIP-Path Center), Simmons H (Texas A&M), Richt J (KSU). Collaborators (ISU): Andreasen C, Hostetter J. Curriculum and teaching enhancement for diseases that threaten food security. USDA Challenge Grant. \$198,082; total budget \$713,517(includes IDCs). 9-1-2012 to 9-1-2015

Logue C, Andreasen C. 12 books for 12 women leaders. Women's and Diversity Grant, ISU Office of the Provost. \$1896.28;2014-2015.

Rudolph A (PI), Nusser S, Mogford J, Boehm M (Co-PIs). Building a New Land Grant Ag Biosecurity Consortia to Enhance Pathogen Defense Resiliency. Reecy J (ISU Coordinator), Andreasen C, Roth J (Collaborators/leads animal agro/biodefense), Robertson A (Collaborator/lead plant agrobiodefense), Multi-institutional (CSU, ISU, Texas A&M, UNL), USDA NIFA (Agricultural Biosecurity Coordination Network; Area Code A1181), \$1,000,000 2019-2021. (Not funded)

Nally J (PI), Andreasen CB (collaborator). Palmer M. Foamy macrophages circulating in blood of the hamster model of leptospirosis. KO3 NIH NIAID. Direct costs \$100,000 (NIH is exempt from overhead from ARS). Submitted 2021-2022; not funded.

## **OTHER PROFESSIONAL ACTIVITIES:**

### **Committees:**

University of Georgia

Graduate student application review 1990, Georgia

Oregon State University

Student Computer Laboratory and Usage Committee, 1991-1995

Curriculum Committee, 1993

Computer Task Force 1993

Selection Committee for Director of Instruction and Director of Public Relations 1994

Selection Committee for Pathology Instructor 1994

Biocommunications Selection Committee 1994-1995  
Graduate Studies Committee 1994-1996  
Legislative Task Force 1995  
Selection Committee for Faculty Pathologist 1995  
Ad Hoc Scientific Instrumentation Advisory Committee 1995  
Ad Hoc Committee Practicing in the State of Oregon 1995  
Dean Search Committee, College of Veterinary Medicine 1995-1996  
DVM Student Admissions Committee 1996  
Selection Committee for Faculty Surgeon 1996

#### Iowa State University College of Veterinary Medicine

CVM Curriculum Committee 1998-2000  
Center for Food Security and Public Health Advisory Board, affiliate member 2007-present  
Chair, Search Committee Parasitologist, Veterinary Pathology Department (VPTH) 1999  
Chair, Search Committee Clinical Pathologist, Veterinary Pathology Department 2000  
CVM Strategic Planning Committee for 2000-2005, 1999-2000  
Retreat subcommittee member  
CVM Dean Search Committee, member 2000-2001  
Biosafety/VDL for necropsy facility 2001-2002  
Chair, Search Committee for Chair of Department of Veterinary Microbiology and Preventive Medicine  
2002 - 2003  
CVM Dean's Search Committee, member 2003 - 2004  
CVM Diversity Committee 2005-2009, interim chair.  
Panels to interview prospective veterinary students 2007, 2009, 2011-2017- backup  
Chair, Search Committee for public relations/communications 2013  
Lead, Develop AVMA COE Mock site visit document, 2016  
Ex-officio member as per Associate Dean 2010-2016  
Admissions Committee  
Curriculum Committee  
Academic Standards Committee  
Computer, Library and Information Management  
Student- Faculty Relations Committee  
AVMA-COE Accreditation Task Force, 4 member lead team, 2016-2017  
Safety website development  
Ad hoc committee, under-represented student recruitment, member, 2016-2017  
Ad hoc committee, reducing cost and value added to DVM, member, 2016-2017  
Search committee clinical pathologist, VPTH, member, 2019  
Search committee anatomic pathologist, VPTH, member, 2019  
CVM Admissions, member 2017- 2020  
Subcommittee lead for early admissions information, 2018  
Review committee, Talbot Professorship, 2020  
CVM Search committee, VCS radiation oncology, member 2021  
CVM Search committee, VCS medical oncologist, member 2021  
CVM Academic Standards Committee, member 2017- 2022  
CVM Faculty Senate Caucus Chair, 2018 – 2021; member 2021-2022  
Department of Veterinary Pathology Faculty Senate representative 2016-2022  
CVM Diversity and Inclusion Committee, member, 2017-2023  
Subcommittee for Office of D&I, 2017-2018.  
CVM Frederick Douglass Patterson Committee 2022-2023  
Department of Veterinary Pathology Promotion and Tenure Committee 2011-2024  
Department of Veterinary Pathology Director of Graduate Education 2023-2024  
CVM Veterinary Student Advisor 1996-2024  
CVM Art Committee, member 2016-2024  
CVM Term Faculty Advancement Committee, member 2019-2024  
Interim Chair 2020-2021  
Term Advancement Workshop Panel for CVM Dec 2023  
CVM Faculty, Staff and Alumni Awards 2023-2024  
Department of Veterinary Pathology Graduate Curriculum Committee 1997-present

Iowa State University

Ad Hoc University Committee for Curriculum Development in U.S. Diversity and International Perspectives Position 1997

Interdepartmental Graduate Program, Immunobiology

Admissions Committee, 1999-2000

Supervisory Committee, 2000-2003

University Taskforce on the Recruitment and Retention of Women and Minority Faculty 2002-2003

Strategic Planning Committee for Iowa State University 2004-2005

Provost's Task Force Reviewing the Faculty Mentoring Program, Chair 2006

Committee for ISU Foundation Departmental Leadership Award 2006

Member, Search Committee for Wildlife Biologist, NREM 2006

Iowa State University Women's Leadership Group, 2001-2010

Women's Leadership Consortium, Group leader, 2006

ISU Department Chair Cabinet/Council 2001-2007

Keeping Our Faculty of Color Leadership Team 2005-2006

University Committee for Women, member, 2006- 2011

ADVANCE Symposium Committee 2007-2008

National Campaign Committee/Campaign ISU 2007-2010

Faculty Responsibilities Work Group 2009

ADVANCE Council 2011

CVM Representative Search Committee Member, Director of Reiman Gardens 2014

Safe Zone Training 2014

Women Impacting ISU Calendar Selection Committee for 2016 calendar, member

Research Colloquium Committee 2016, member

ISU Student On-Boarding Committee, Subcommittee chair, 2016-2018

ISU Campus Climate Survey Faculty Workgroup, member 2018

ISU Child Care Task Force, member 2019-2020

ISU Search Committee for National Institute of Antimicrobial Resistance Research and Education (NIAMRRE), for Associate Director of Operations and Associate Director of External Relations 2020

ISU Review Committee for Cost-Sharing Research instrumentation (COSRIF), member 2016-2021

ISU Vice President for Diversity and Inclusion Council, member 2015- 2021

The Leadership Imperative, Office of Diversity and Inclusion 2017, contributor

ISU Faculty Senate

Council on University Resource Policies and Allocations, member, 2016-2017

Faculty Development and Administrative Relations Council, Chair, 2017-2021, member 2021-2022

Executive Board, member, 2017-2021

Administrative Committee, member, 2017- 2021

Representative Committee, member, 2018-2021

CVM Caucus Chair, 2018-2021; member 2021-2022

VPTH representative – 2016-2022

ISU graduation ceremony, Faculty Marshal, to replace spring 2020 graduation, Oct 2021

ISU Strategic Plan Working Group 2021-2022

ISU Publication Subvention Review Committee, member 2019-2022

ISU Residency Appeals Committee, member 2010-2022

CVM Dean Review Committee 2023

University Museums Advisory Committee, member 2015-2023

ISU Faculty Senate Honorary Degree review committee 2023-2024

ISU Mid-career Research Award Committee 2023- 2024

ISU University Professor Committee 2024

ISU CVM Dean Review Committee 2023

ISU CALS Dean Review Committee 2023-2024

ISU Non-Academic Use of Animals Committee, member 2014-2025

Per past Associate Dean position:

Undergraduate Program Council 2010-2016

Academic Associate Deans 2010-2016

Council for International Programs 2012- 2016

Associate Deans- Credit Distance Education 2010--2016  
ISU IT Advisory Committee 2013- 2015; now Information Technology Leadership Committee (ITLC),  
2015- 2016

ISU current:

University Museums Advancement Council, member 2018-present  
National Institute of Antimicrobial Resistance Research and Education (NIAMRRE), member 2018-  
present

Federal Agency

Search Committee National Animal Disease Center Director, Member. 2005-2006.  
National - listed under organizations

**Journal Reviewer:**

Reviewer **Advances in Small Animal Medicine and Surgery** 1991-1992.

Ad Hoc Reviewer **Journal of Zoo and Wildlife Medicine** 1996-2011

Ad Hoc Reviewer **Veterinary Pathology** 1991-present.

Ad Hoc Reviewer **Journal American Veterinary Medical Association** 1993-present.

Ad Hoc Reviewer **Journal of Veterinary Diagnostic Investigation** 1994 - present.

Ad Hoc reviewer **American Journal of Veterinary Research** 1993-present.

Ad Hoc Reviewer **Veterinary Clinical Pathology** 1994-present.

Ad Hoc Reviewer **Avian Pathology** 1997-present.

Ad Hoc Reviewer **Poultry Science** 2019- present

Editorial Board, **Comparative Haematology International** (changed to **Comparative Clinical Pathology**)  
1996- 2009, 2016-present.

**Frontiers Veterinary Science** 2016-2021; Review Editor Veterinary Humanities and Social Sciences 2016-2020;  
Veterinary Experimental and Diagnostic Pathology 2020-2021.