

CURRICULUM VITAE

CLAIRE BUCHANAN ANDREASEN, DVM, PhD, Diplomate ACVP

Address: Department of Veterinary Pathology
College of Veterinary Medicine
Iowa State University
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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

2021- present	University Professor, Iowa State University (ISU), Ames, Iowa
May 2022- present	Clinical Pathology Laboratory Director, ISU, Ames, Iowa
2018-present	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-present 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/Still Active:

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)
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. 1st 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 3rd place, 2020 Summer Scholars)

2022 Elisabeth Amerson (student), Andreasen CB. Cytochemical staining of hamster neutrophils. (ISU CVM 4th 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
- Kaylee Rowland Interdepartmental Genetics, Department of Animal Science, PhD, 2018, *Chicken genetics in heat stress resistance*
- Cheng-Shun Veterinary Pathology PhD, pending
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 2024
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 funded. 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.
- Andreasen CB, Andreasen JR, Sonn AE, Oughton JA. Comparison of the effect of different opsonins on the phagocytosis of fluorescein-labeled staphylococcal bacteria by chicken heterophils. **Avian Dis** 1996; 40:778-782.
- Brooks RL, Bounous DI, Andreasen CB. Functional comparison of avian heterophils with human and canine neutrophils. **Comp Haematol Int** 1996;6:153-159.
- Cowan LA, Hertzke DM, Fenwick BW, Andreasen CB: Clinical and clinicopathologic abnormalities in Greyhounds with cutaneous and renal glomerular vasculopathy:18 cases (1992-1994). **J Am Vet Med Assoc** 1997; 210:789-793.
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Burrough ER, Andreasen CB, Frana TS, Hostetter JM. Disseminated aspergillosis in a dog due to *Aspergillus alabamensis*. **54th Proceedings of the American Association of Veterinary Laboratory Diagnosticians**, Buffalo, NY 2011.

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Nolan LK, Andreasen CB, Zhang Q (co-presenters). One Health Initiative at Iowa State University, Connecting Education, Research and Outreach. Co –presenters: LK Nolan, Q Zhang. Proceedings of the Annual American Association of Veterinary Medical Colleges, Washington DC. March 2014.

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Andreasen CB, Roth JA. Insights gained for surveillance and biosecurity from the 2015 High Pathogenicity Avian Influenza (HPAI) outbreaks in the Midwestern U.S., **Proceedings 5th International One Health Congress**, Saskatoon, Canada. Abstract P062 OHS Bo1 Surveillance and Early Detection, June 2018, p. 227.

Hines E+, Andreasen CB. Comparative Hematology in a One Health Approach - Pathophysiology and Prognosis of Inappropriate Metarubricytosis of Humans and Canines. **National Summer Scholars Symposium, Texas A&M University**, and ISU Summer Scholar Symposium, August 2018. (Summer scholar mentor)

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

Andreasen CB, Hines E+. Comparative hematology - Inappropriate metarubricytosis in canine and human diseases. **Proceedings of the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology**, 70th Annual meeting, C-01, November 2019.

Anderson A+, Andreasen CB. Examination of reference intervals for metarubricytosis in healthy canines - A One Health approach to comparative hematology, **2020 Veterinary Student Scholars National Symposium**, Ames, IA (Poster, Virtual, Pathology 1), August 2020.

Henthorn GK+, Van Vertloo L, Andreasen CB. Hematologic findings in cats PCR positive for *Bartonella sp.* **2020 Veterinary Student Scholars National Symposium**, Ames, IA (Poster, Virtual, Pathology 1), August 2020, (co-mentors)

Putz E, Stasko J, Hornsby R, Nally J. Circulating foamy macrophages found in the blood of the golden Syrian hamster model of leptospirosis. **Conference of Research Workers in Animal Diseases**, Immunology section, #373. [C. Andreasen-collaborator, acknowledgement] December 2020

Putz EJ, Andreasen C, Stasko JA, Fernandes LGV, Hornsby R, Nally JE. Lipid laden macrophages found in the blood of the golden Syrian hamster model of leptospirosis. **Keystone Symposia, Lipidomics of Health and Disease**, Virtual March 24-26, 2021.

Sitthicharoenchai P, Andreasen C, D Gall. Histiocytic Disorder in a North American River Otter (*Lontra canadensis*). **American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology**, 72th Annual meeting (virtual). November 2021.

Amerson EC+, Andreasen CB, Putz EJ. Cytochemical characterization of hamster neutrophils. **2022 Veterinary Student Scholars National Symposium**, Minneapolis/ St. Paul, MN. August 2022.

Amerson EC+, Andreasen CB, Putz EJ. Cytochemical characterization of hamster neutrophils. **2022 ISU CVM Research Day - Veterinary Student Scholars**, Ames, IA. August 2022. Poster – 4th place award.

Ribeiro P*, Andreasen C, Putz E, Hamond C, Shircliff A, Stasko J, Palmer MV, Ristow P, Nally JE. Investigation of biofilm formation in the kidneys of chronically infected laboratory hamsters. **58th Congress of the Brazilian Society of Tropical Medicine (MEDTROP)**, Salvador, Bahia, Sept 2023.

Peng L*, Kelly J, Reeve A, Mainenti M, Andreasen CB, Reicks DL, Gauger PC, Hoenig CL, Connor JF, Holtkamp DJ, Gustavo S. Silva GS, Linhares DCL. Comparison of a sow Tonsil-Oral-Scraping collector prototype to a ready-to-use analogue and tonsil scraping samples by histopathology and cytology. **Allen D. Leman Swine Conference**, poster, September 2023.

Putz E, Andreasen C, Stasko J, Hamond C, Olsen S, Nally J, Palmer M. Circulating foamy macrophages and other features of Mycobacterium bovis BCG challenge in Golden Syrian hamsters. **Conference of Research Workers in Animal Diseases**, Immunology section, Poster 25, Chicago, IL, January 2024.

Putz EJ, Andreasen CB, Boggiatto P, Palmer M, Fernandes LVG, Tibbs-Cortes B, Stasko JA, Hamond C, Olsen S, Nally JE. Peromyscus deer mice as an acute rodent model of leptospirosis. **International Leptospirosis Society Conference**, Brussels, Belgium, Poster. September 2024.

dos Santos Ribeiro P, Stasko J, Shircliff A, Fernandes LG, Putz E, Andreasen C, Azevedo V, Ristow P, Nally J. Biofilm formation by Leptospira at different temperatures encountered during infection and lifecycle. **International Union of Microbiological Societies**, Florence, Italy, October 2024. Accepted.

PRESENTATIONS by C. Andreasen:

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| 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 Andreassen 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 Andreassen 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 Andreassen 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 Andreassen 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 Andreassen CB. Clinical chemistry manifestations of toxicologic and nutritional problems in large animals. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- June 1994 Andreassen CB. Clinical pathology of llamas-beyond oval red cells. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- June 1994 Andreassen CB. Adrenal disease-comparison of horses and companion animals. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- June 1994 Andreassen CB. Case studies in large animal renal disease. College of Veterinary Internal Medicine, San Francisco, CA. (Invited)
- August 1994 Andreassen 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 Andreassen 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, Andreassen CB (presenter). *Morganella Morganii* enteritis in a Burmese Python. Southeastern Veterinary Pathology Conference, Tifton, GA.
- November 1995 Andreassen CB, Andreassen JR, Thomas JS. Effects of hemolysis on serum chemistry analytes in ratites. American College of Veterinary Pathology, Clinical Pathology Section, Atlanta, GA.
- December 1996 Andreassen 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 Andreassen CB, Newell TK, Gerros TC. Diffuse mesothelioma in a horse. American Society of Veterinary Clinical Pathology, Seattle, WA.
- November 1997 Andreassen C, Jergens A, Hagemoser W. Criteria for gastrointestinal cytology. American College of Veterinary Pathologists (Clinical Pathology Section), Albuquerque, NM.
- November 1997 Andreassen 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 Andreassen 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 Andreassen CB. Regulation of granulocyte function by ascorbic acid: clinical implications. Microbiology, Immunology, and Preventative Medicine Departmental Seminar. Ames, IA.
- June 1999 Andreassen C, Cowan L, Fenwick B. Erythrocyte morphology in greyhounds with cutaneous and renal vasculopathy. College of Veterinary Internal Medicine, 17th Annual Veterinary Medical Forum, American College of Veterinary Internal Medicine, Chicago, IL.
- June 1999 Andreassen CB. Neutrophil function and clinical application. College of Veterinary Internal Medicine, 17th Annual Veterinary Medical Forum, Chicago, IL. (invited)
- November 1999 Andreassen C, Licklider B, Fulton C. Utilization of a multi-disciplinary resource group for student learning. 50th Meeting, American College of Veterinary Pathologists, Education Section, Chicago, IL.
- June 2001 Andreassen CB. Granulocyte function disorders. Hematopoetic and lymphoid pathology. CL Davis Foundation, University of Illinois, Urbana-Champaign. (Invited)
- July 2001 Andreassen 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 Andreassen 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 Andreassen CB. The cytology of neoplasia. The XVIII PanAmerican Congress of Veterinary Sciences, Havana, Cuba. (invited)
- June 2003 Andreassen 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 Andreassen 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 Andreassen 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 Andreassen C, Frank D. Avian heterophil function and regulation during inflammatory disease. Proceedings of the AVMA/AAAP. Philadelphia, PA.
- November 2004 Andreassen 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 Andreassen 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 48th 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. 57th 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. 57th 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. 56th 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; 9th 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 1st 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. 5th 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. 8th 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., 5th 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. 70th 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, 70th 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)

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. 7th 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. 57th 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. 8th 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)

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 119th Annual Meeting, Ames, IA.
- September 2001 Andreasen CB. Clinical pathology practice tips. Iowa Veterinary Medical Association 119th 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 122nd Annual Meeting, Ames, IA.
- June 2007 Andreasen CB. Clinical Pathology Teaching. In association with the 9th 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. 8th 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. 9th 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) 2nd 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

Current:

Department of Veterinary Pathology Graduate Curriculum Committee 1997-present
Department of Veterinary Pathology Promotion and Tenure Committee 2011-present
Department of Veterinary Pathology Director of Graduate Education 2023-2024

CVM Veterinary Student Advisor 1996-2024
CVM Art Committee, member 2016-present
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

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

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 most current:

University Museums Advancement Council, member 2018-present
ISU Non-Academic Use of Animals Committee, member 2014-present
ISU National Institute of Antimicrobial Resistance Research and Education (NIAMRRE), member 2018-present
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

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.