

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, cellular host-pathogen interaction. Species emphasis: poultry, fish.

EDUCATION/LEARNING/OUTREACH EMPHASIS

Infectious disease pathology, images for infectious diseases (emerging, foreign to U.S., zoonotic). Clinical pathology. Example: <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 <http://www.provost.iastate.edu/administrator-resources/recruitment/guide>

EMPLOYMENT

2016-present	Professor and Director of One Health, Iowa State University, Ames, Iowa.
2010- 2016	Professor and Associate Dean for Academic and Student Affairs, Iowa State University, Ames, Iowa.
2003-present	Professor, Clinical Pathology, Veterinary Pathology, Iowa State University, Ames, Iowa.
2008 – 2009	Interim Chair, Department of Clinical Sciences, Iowa State University, Ames, IA
2006	Special Assistant to the Provost, Office of the Provost, Iowa State University, Ames, IA.

- 2005-2006 Administrative Intern (50%), Office of the Provost, directed by the Associate Provost for Academic Advancement and Diversity, Iowa State University, Ames, Iowa.
- 2001-2011 Chair, Department of Veterinary Pathology, Iowa State University, Ames, Iowa.
- 2001 Interim chair, Department of Veterinary Pathology, Iowa State University, Ames, Iowa.
- 2000- 2011 Director of the Departmental Clinical Pathology Laboratory
- 1999-2003 Associate Professor, Clinical Pathology, Veterinary Pathology, Iowa State University, Ames, Iowa.
- 1996-1999 Assistant Professor, Clinical Pathology, Veterinary Pathology, Iowa State University, Ames, Iowa.
- 1995-1996 Assistant Professor, Clinical and Surgical Pathology, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, Oregon State University, Corvallis, Oregon.
- 1994-1996 Section Head, Clinical Pathology Laboratory, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, Oregon State University, Corvallis, Oregon.
- 1993-1994 Co-director, Clinical Pathology Laboratory, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, Oregon State University, Corvallis, Oregon.
- 1991-1994 Assistant Professor, Clinical and Anatomic Pathology, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, Oregon State University, Corvallis, Oregon.
- 1990-1991 Instructor, Clinical and Anatomic Pathology, Veterinary Diagnostic Laboratory and College of Veterinary Medicine, Oregon State University, 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, 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
- 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

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-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

Current:

American Veterinary Medical Association, 1982-Present

Iowa Veterinary Medical Association 2001-present

IVMA Foundation board 2010- present

C. L. Davis Foundation

Associate Member, 1985-1990

Member, 1995-1998, 2001-2014

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

American Association of Veterinary Laboratory Diagnosticians, 1991-Present

American Association of Avian Pathologists 2004-present; prior affiliated

American College of Veterinary Pathologists 1994-present

Pilot Participant for Developmental Activities 1994-1999

ACVP Training representative for ISU clinical pathology, 2001- 2011

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
 Conference of Research Workers in Animal Diseases 2000-present
 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-present
 Osborn Club Scientific Organization (by invitation), Iowa State University, elected 2003/2004 - present

TEACHING RESPONSIBILITIES

Iowa State University

Instructor-in-charge

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 2002-2010	Clinical Pathology (Vpth 457), cytology and hematology senior DVM students 1 credit, 13 times (260 hours/year) 1996-1999 1 credit, 10 times/year (200 hours/year) 1999-2000, (100 hours/year) 2002-2008, 2008-present, variable
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	Special Topics in Clinical Pathology (Vpth 590D) (30 hours/year)
1997-2000	Introduction to Clinics (VCS 440) (21 hours/year); Cytology laboratory section

Participating Instructor

1997,1999, 2000, 2018	Seminar Spring, Fall (Vpth 604) - clinical pathology cases
2017- present	Clinical Pathology Techniques (Vpth 409) 1-2 lectures Spring
2017-present	Clinical Intern seminars (2-3 yearly)

October 2016 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 Andreassen, 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 LEARN, 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 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-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 Vaagen, K. D (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

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

Graduate Student Committee - Mohammed Anwer, completed 1992

MS Thesis: *Effect of treatments on heterophil chemotaxis*

Iowa State University

- Major Professor: Karen Kline, Veterinary Pathology MS, completion 2001
Differentiation of diseases that cause mononuclear pleocytosis
Denise Wunn, Vpth MS candidate, completion 2000
The interaction of Shiga toxin with erythrocytes and endothelial cells
- Co-major Professor: Justin Greenlee, Veterinary Pathology PhD, completion 2003
Mechanisms in cellular pathogenesis of Leptospirosis
- Co-major Professor: Shannon Hostetter, Veterinary Pathology PhD, completion 2009
Cellular and cytokine responses in a swine model of E Coli O157:H7
NIH KO8 2006-2009
- Co-major Professor: Phongsakorn Chuammitri, PhD, Immunobiology, *Effects of genetic background and dietary immunomodulators on chicken heterophil function and Salmonella resistance*
completion 2010
- Graduate Student Committees: (year of completion)
- 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
- Zahar Radi, Veterinary Pathology PhD, 1999
The effects of neutrophil-mediated damage in acute Mannheimia (Pasteurella) haemolytica pneumonia
- 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
EIA heterogeneity
- Dianna Jordan Veterinary Pathology PhD, 2003
Novel E Coli O157:H7 colonization factors
- Dusan Palić Immunobiology, PhD, 2005 [acting onsite co-major professor (Dr. Menzel in D.C.)]
(ISU graduate student research excellence award, spring 2004)
Cytochemical and functional characterization of neutrophils from kidney of fathead minnow (Pimephales promelas Rafinesque 1820) and potential for use as indicator of environmental health
- JoAnn Morrison Veterinary Clinical Sciences, MS, 2008, *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 Rachel Tell Immunobiology, PhD, 2012 *Zebrafish immunology, cell function, and mycobacterial interactions.*
- Kaylee Rowland Interdepartmental Genetics, Department of Animal Science, PhD, 2015-present, *Chicken genetics in heat stress resistance 2015- present*

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.*

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.*

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

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.

Andreasen CB, Andreasen JR, Thomas JS. Effects of hemolysis on serum chemistry analytes in ratites. **Vet Clin Pathol** 1997; 26:165-171.

Hamir AN, Andreasen CB, Pearson EG. Endogenous lipid pneumonia (alveolar histiocytosis) in an adult llama (*Lama glama*). **Vet Rec** 1997; 141:474-475.

Andreasen CB, Pearson EG, Smith BB, Gerros TC, Lassen ED. Normal reference intervals and the effects of time and feeding on serum bile acid concentrations in llamas. **J Vet Diagn Invest** 1998; 10:174-178.

Jergens AE, Andreasen CB, Hagemoser WA, Ridgway J, Campbell KL. Cytologic examination of exfoliative specimens obtained during endoscopy for diagnosis of gastrointestinal tract disease in dogs and cats. **J Am Vet Med Assoc** 1998; 213:1755-1759.

Gerros TC, Andreasen CB. Analysis of pleural fluid and transtracheal aspirates in clinically healthy llamas (*Llama glama*). **Vet Clin Pathol** 1999; 28:29-32.

Brees DJ, Sondhoff A, Kluge JP, Andreasen CB, Brown CM. *Lawsonia intracellularis*-like organism infection in a miniature foal. **J Am Med Assoc** 1999; 215:511-514.

Andreasen CB, Frank DE. The *in vitro* effect of ascorbic acid on avian heterophils. **Avian Dis** 1999; 43:656-663.

Hall JA, Gradin JL, Andreasen CB, Wander RC. Use of a nonionic detergent (Triton WR 1339) in healthy cats to assess hepatic secretion of triglycerides. **Am J Vet Res** 2000; 61:941-950.

Jergens AE, Andreasen CB, Miles KG. Gastrointestinal endoscopic exfoliative cytology- Techniques and clinical application. **Comp Cont Ed Prac Vet** 2000; 22:941-952.

Pearson EG, Andreasen CB. Effect of excessive oral iron administration to adult ponies. **J Am Vet Med Assoc** 2001;218:400-404.

Andreasen CB, Akunda JK, Kramer TT. Comparison of heterophil phagocytosis for heterophil-adapted *Salmonella enteritidis* and wild-type *Salmonella enteritidis*. **Avian Dis** 2001; 45:432-436.

Caverly JM, Radi ZA, Andreasen CB, Dixon RAF, Brogden KA, Ackermann MR. Comparison of bronchoalveolar lavage fluid obtained from *Mannheimia haemolytica*-inoculated calves with and without prior treatment with the selectin inhibitor, TBC1269. **Am J Vet Res** 2001; 62:665-672.

Nelson OL, Andreasen CB. The utility of plasma D-dimer to identify thromboembolic disease in dogs. **J Vet Intern Med** 2003; 17:830-834.

Bird KE, Parker JE, Andreasen CB, Watrous BJ, Heidel JR. Ameloblastoma in a nine-month-old llama. **J Vet Diagn Invest** 2004; 16:89-92.

Greenlee JJ, Bolin CA, Alt DP, Cheville NF, Andreasen CB. Clinical and pathologic comparison of acute canine leptospirosis caused by two strains of *Leptospira kirschneri* serovar grippotyphosa. **Am J Vet Res** 2004; 65:1100-1107.

Palić D, Andreasen CB, Frank DE, Menzel BW, Roth JA. Gradient separation and cytochemical characterisation of neutrophils from kidney of Fathead Minnow (*Pimephales promelas* Rafinesque, 1820). **Fish Shellfish Immunol** 2005; 18: 263-267.

Greenlee JJ, Alt DP, Bolin CA, Zuener RL, Andreasen CB. Experimental canine leptospirosis caused by *Leptospira interrogans* serovars pomona and bratislava. **Am J Vet Res** 2005; 66:1816-1822.

Palić D, Andreasen CB, Menzel BW, Roth JA. A rapid, direct assay to measure degranulation of primary granules in neutrophils from the kidney of fathead minnows (*Pimephales promelas* Rafinesque, 1820). **Fish Shellfish Immunol** 2005; 19(3), 217-227.

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Lauer SK, Morrison JA, Baldwin CJ, Andreasen CB, Kinyon JM, Evans RB, Swanson E. Subcutaneous totally implantable vascular access systems for feline blood donor populations. **J Vet Intern Med** 16:363, 2002, #146.

Marshall T, Greenlee J, Andreasen C*. Decreased platelet numbers accompanied by gross lesions and other clinicopathologic abnormalities in a guinea pig model of leptospirosis. **National Symposium Merck/Merial Summer Scholars Proceedings**, Purdue University, IN. 2002.

Greenlee J, Andreasen C. A comparison of experimental canine infections by three different serovars of

Leptospira. **Proceedings of the XVIII PanAmerican Congress of Veterinary Sciences and International Conference on Leptospirosis**, November 2002. (invited)

Andreasen CB. The cytology of neoplasia. **Proceedings of the XVIII PanAmerican Congress of Veterinary Sciences**, November 2002. (invited)

Andreasen CB. Clinical pathology practice tips. **Proceedings of the Iowa Veterinary Medical Association 119th Annual Meeting**. 2001 pp. 71-72. (invited)

Fales-Williams A, Fisher P, Andreasen C. Using VADDS as a teaching tool in senior clinical pathology rotations. **Vet Pathol** 39:647, 2002, #138.

Greenlee J, Alt D, Zuerner R, Bolin C, Andreasen C. Experimental infection by *Leptospira interrogans* serovar pomona in dogs. **Vet Pathol** 39:633, 2002, #81.

Andreasen CB, Frank DE, Kinyon J. The effect of ascorbic acid on egg contamination, fecal shedding, and heterophil bacterial killing during Salmonella enteritidis infection. **Proceedings of the World Poultry Veterinary Association/AAAP**. Denver, CO 2003. #102, p. 158.

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. Abstract SP 4.04, p. 77.

Fales-Williams A, Danielson J, Myers R, Mills E, Sorden S, Bender H, Andreasen C. Multiple uses of a senior year assignment by assessment of the pathology curriculum. **Vet Pathol** 40:599, 2003, #25.

Andreasen C, Fales-Williams A, Reynolds D, Ackermann M, Griffith R. A DVM summer scholars program-training future scientists. **Vet Pathol** 40:598, 2003, # 23.

Hostetter SJ, Andreasen CB, Cornick NA. Evaluation of shiga toxin 2E binding to porcine leukocytes. **Vet Pathol** 40:614, 2003, #87.

Bender HS, Young KM, George JW, Christopher MM, Danielson JA, Vermeer PJ, Mills EM, Wood RD, Pion PD, Preast VA, Andreasen CB. Implementation of the diagnostic pathfinder, an internet-based tool to teach clinical pathology in diverse educational settings. **Proceedings of the 38th American Society for Veterinary Clinical Pathology/ 54th American College of Veterinary Pathologists Annual Meeting**, Banff, CA. 2003, pp. 345-359.

Palić, D, Andreasen, C B, and Roth, J A. Separation, cytochemical characterization and functional tests of fathead minnow (*Pimephales promelas* Rafinesque, 1820) kidney neutrophils. **6th Annual Meeting of Southern Conference of Researchers in Aquatic Diseases**. Biloxi, MS, 2004

Andreasen C, Frank D. Avian heterophil function and regulation during inflammatory disease. **Proceedings of the AVMA/AAAP**. Philadelphia, PA. 2004. CDROM.

Palić D, Andreasen CB, Roth JA. Separation cytochemical characterization and functional tests of fathead minnow kidney neutrophils. **American Fisheries Society Annual Meeting**, Madison, WI, 2004. Abstract CO-286.

Herolt DM, Palić D, Andreasen CB, Roth JA. Anesthetic efficacy and effects of tricaine methanesulfonate, clove oil, and metomidate on neutrophil function in the fathead minnow. **5th Annual Merck/Merial Symposium**, Auburn, AL. August 2004.

Palić D, Herolt DM, Andreasen CB, Roth JA. Anesthetic efficacy of tricaine methanesulphonate, metomidate and clove oil; effects on plasma cortisol levels and neutrophil function in fathead minnows (*Pimephales promelas* Rafinesque, 1820). **Conference of Research Workers in Animal Diseases**, Chicago, IL 2004, p.128, Abstract #128.

Andreasen CB, Myers RK. Global perspectives – the veterinary pathologist's role. **Vet Pathol** 2004 p. 564, Abstract

#73.

Herolt DM, Palić D, Andreasen CB, Roth JA. Effects of anesthetics on neutrophil function in fish. **Proceedings of the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology meeting**, Orlando, FL, 2004. DVM student poster competition; 1st place. Abstract #SP5.

Palić D, Andreasen C, Roth J, Menzel B. Degranulation of primary granules in neutrophils from kidney of fathead minnow. **65th Midwest Fish and Wildlife Conference**. Indianapolis, IN. 2004, #184.

Palić D, Andreasen CB, Herolt MD, Menzel WB, Roth JA. Immunomodulation of fish neutrophil function with B-glucan. **135th American Fisheries Society Meeting**, Anchorage, Alaska. 2005, # CP-1-EEX-121.

Palić D, Ostojic J, Andreasen C B, Roth J A. Fish Cast NETs: The release and quantitation of fish neutrophil extracellular traps (NETs). **Annual Meeting of Fish Health Section of American Fisheries Society**, Mnnneapolis, Minnesota, July 2005.

Andreasen C. Antemortem diagnosis of thromboembolic disease; Utility of D-dimers and FDPs. **Proceedings American of the College of Veterinary Internal Medicine**, Annual Veterinary Medical Forum. #235. Baltimore, MD. June 2005. (invited)

Andreasen C. The platelet and its other life; the role in carcinogenesis and infectious diseases. **Proceedings of the American College of Veterinary Internal Medicine**, Annual Veterinary Medical Forum, #236. Baltimore, MD. June 2005. (invited)

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., 2005, p. 110.

Palic, D, Andreasen C B, Ostojic J, Tell MR, and Roth JA. Zebrafish (*Danio rerio*) Whole Kidney Assays to Measure Neutrophil Extracellular Trap Release and Degranulation of Primary Granules. **5th International Symposium on Aquatic Animal Health**, San Francisco, California, 2006. Abstract ID# 104.

Palic D, Beck LS, Ostojic J, Webb MAH, Kappenman, K, Andreasen CB. Use of Rapid Cytochemical Staining to Characterize Fish Blood Leukocytes in Species of Special Concern and Determine Potential for Neutrophil Functional Testing. **5th International Symposium on Aquatic Animal Health**, San Francisco, CA, 2006. Abstract ID# 156.

Godinez, EM, Tell, RM, Andreasen CB, Roth JA, Palic D. Cytochemical and Functional Characterization of Neutrophils from Bluegill (*Lepomis macrochirus*, Rafinesque 1819). **Summer Scholar Program Research Day**. Iowa State University, Ames, Iowa, 2006.

Palić D, Andreasen CB, Ostojic J, Roth JA. Fish cast nets: The release, characterization, and quantitation of fish neutrophil extracellular traps. **10th International Congress – International Society of Developmental and Comparative Immunology**. Charleston, SC, 2006, ID#214.

Andreasen C, Sorden S, Roth J, Blanchard T, Metwally S, McKenna T. A pathology image data base for foreign, emerging and zoonotic animal diseases. **Vet Pathol** 43:828, 2006, #92.

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, 2006, pp. 58-61.

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, 2006, pp.316-319.

C. B. Andreasen, J. A. Roth, D. L. Suarez, D. A. Senne. Training resources for prevention and intervention strategies during Avian Influenza Outbreaks. **Proceedings 56th Annual Western Poultry Disease Conference**, Las Vegas, March 2007. p. 57.

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. April 2007. Concurrent sessions, p. 5.

Palic, D., Beck, L. S. Andreasen C. B. Effects of Acute Stress on Leukocyte Hematology and Heterophil Function in Pallid Sturgeon. **Annual Meeting of American Fisheries Society**, Fish Health Section, Jackson Lake Lodge, Grand Teton National Park, Wyoming. June 2007.

Andreasen C. Clinical Pathology. Using clinical pathology cases to teach clinical pathology and pathology. The 9th **Regional Symposium in Animal Clinical Pathology and Therapy**. Palic, Serbia, June 2007 Program Proceedings CD.

Vaagen, K. D., Andreasen, C. B., Roth, J. A., and **Palic, D.** Immunomodulatory Effects of Yeast Cell Wall Preparations on Neutrophil Function in Fathead Minnows (*Pimephales promelas* Rafinesque, 1820). Poster presentation. **Summer Scholar Program Research Day**. Iowa State University, Ames, Iowa, August 2007.

Morrison J, Andreasen C, Flaherty H, Schmidt P. Identification and correlation of cytologic criteria to histology grade in canine cutaneous mast cell tumors. **Am College of Vet Intern Medicine** June 2008.

Lamont SJ, Palic D, Andreasen C. Functional genomics and cellular immunity to Salmonella. **CSREES report** poster presentation. Washington DC. 2008. USDA.

Redmond SB, Chuammitri P, Palić D, Andreasen C, and Lamont SJ. Genetic differences in expression of immune response genes by chicken heterophils stimulated with *Salmonella enteritidis* [abstract]. In: **Proceedings of the Avian Immunology Research Group**; 2008 June 24-27; Gold Coast, Australia. Abstract number 40.

Redmond SB, Chuammitri P, Palić D, Andreasen C, and Lamont SJ. Immuno nutrigenomics of the chicken spleen. **18th Annual Systems Biology Symposium; Integrative, Comparative and Multi-scale Modeling**. Ames, IA June 2009.

Redmond SB, Chuammitri P, Palić D, Andreasen C, and Lamont SJ. Genetic line and dietary immunomodulator effects on expression of CXCLi2 in chicken heterophils responding to *Salmonella enteritidis*. **Poultry Science Association** 2010

Redmond SB, Chuammitri P, Andreasen C, Palić D, Lamont SJ. SNP Association of chicken heterophil functional traits and response to dietary β -glucans in two advanced intercross lines. **Animal Genomics for Animal Health Conference** 2010.

Andreasen CB. Clinical pathology of llamas- beyond oval red cells. Iowa State **Camelid Symposium**, Ames, IA. Feb 2011.

Andreasen CB, Wall J. Partnerships to ensure transport of eggs and egg products during a catastrophic disease outbreak. **Proceedings of the 5th Annual DHS University Network Summit**, March 2011. Website accessed August 1, 2011 <http://www.homelandsecurity.org/ReportList.htm>

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.

Andreasen CB, Roth JA. Iowa animal agriculture emergency response system, **Annual AVMA Meeting**, Section: Public and Corporate Practice, Subsection: Current Issues/Advances. San Diego, CA August 2012. #12177.

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.

Barkley M, Andreasen C. The Effect Humans have on the Raptor Population. **Honors Student Poster Presentation Booklet**. April 27, 2017, Ames, IA.

Andreasen CB. One Health - the Time is Now. **Proceedings 8th International Conference on Animal Health and Veterinary Medicine**; One Health - One Society; Toronto, Canada. October 1917, p.22.

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, June 2018. Abstract P062 OHS Bo1 Surveillance and Early Detection p. 227.

PRESENTATIONS:

- 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, 17th 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, 17th 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. 50th 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 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 C. B. Andreasen, J. A. Roth, D. L. Suarez, D. A. Senne. 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. Education Consortium, APHIS Veterinary Services Leadership- Panel Discussion. USAHA/AAVLD. Minneapolis, MN. (invited)
- February 2011 Roth JA, Andreasen CB. 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)
- 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.

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. 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. 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)

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. 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 (Office of the Provost). Flexible faculty careers in the public university- Iowa State University, a change agent for public universities. Alfred P. Sloan Foundation. 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, KState/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.

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

Veterinary Student Advisor 1996-present
Pathology Department Graduate Curriculum Committee 1997-present
CVM Curriculum Committee 1998-2000
CVM Academic Standards Committee 2000-present
Chair, Search Committee Parasitologist, Pathology Department 1999
Chair, Search Committee Clinical Pathologist, 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.
Center for Food Security and Public Health Advisory Board, member 2007-present
Served on panels to interview prospective veterinary students 2007, 2009
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

Current:

CVM Diversity and Inclusion Committee, member, 2017-2021
Subcommittee for Office of D&I, 2017-2018.
CVM Admissions, member 2017-2020
Subcommittee lead for early admissions information, 2018.
CVM Academic Standards Committee, member 2017- 2019
CVM Art Committee, member 2016-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

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 Advisory Committee, member 2015-present
University Museums Advancement Council, member 2018-present
ISU Faculty Senate, VPTH representative – 2016 - 2018
Council on University Resource Policies and Allocations, member, 2016-2017
Chair, Faculty Development and Administrative Relations Council, 2017-2019
ISU Review Committee for Cost-Sharing Research instrumentation (COSRIF) 2016-2019
ISU Residency Appeals Committee 2010-present
ISU Non-Academic Use of Animals Committee 2014-present
ISU Vice Provost for Diversity and Inclusion Council, member 2016-present

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

Federal Agency

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

National - listed under organizations

Journal Reviewer:

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

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

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

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

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

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

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

Ad Hoc Reviewer for **Comparative Haematology International** (changed to **Comparative Clinical Pathology**) 1996- 2009, 2016-present.

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