2023 ACVP/ASVCP Annual Meeting Program
*as of June 29, 2023

Saturday, October 28
8am-12pm, 1:30-5pm
ACVP Workshop: Natural Spontaneous Pathology of Prosimians
*additional fee required
Chairs: Sarah Beck, DVM PhD DACVP; Mary Duncan, BVMS PhD DACVP; Sushan Han, DACVP

Of interest to pathologists who work with primates every day and to those interested in learning more about a species they rarely see. The workshop will provide an overview of health and disease of prosimians, critically endangered species due to multiple climate and anthropogenic pressures in their native habitat of Madagascar. Maintenance and thorough understanding of these species in managed care is becoming more essential. Prosimians have many unique anatomical and physiological differences to comparative non-human primates, and diseases in this species are poorly reported in literature. In the morning, the following experts will present, and the afternoon will allow time for review of discrete interesting primate/prosimian cases presented by workshop attendees.

A Prosimian Pathology Primer
Denise McAloose, VMD DACVP
Wildlife Conservation Society

Galago Pathology in Biomedical Research
Tzushan Sharon Yang, DVM Phd DACVP
Vanderbilt University Medical Center

A One Health Approach to Understanding and Mitigating Pathogenic Threats to Wild Lemurs
Thomas Gillespie, MS PhD
Emory University

8am-12pm, 1:15-5pm
ASVCP Workshop: Digital Microscopy Use in Veterinary Clinical Pathology: The Future is Now
*additional fee required
Chair: Cheryl Moller, BSc BVMA MS DACVP

The ASVCP Education Committee will be lifting the lid on digital clinical pathology. There will be a large and diverse range of speakers, covering multiple aspects of digital including why clinical
pathology is moving to digitization, a grounding in the literature, digital microscopy in resident and veterinary student education (including addressing training guidelines), digitization in toxicologic pathology, and artificial intelligence in laboratory data analysis. In addition, there will be a rare opportunity to learn about digital clinical pathology in commercial diagnostic laboratories from multiple companies and institutions. All this in one day!

This workshop is an opportunity to understand the ins and outs of digital microscopy from multiple perspectives (academic, diagnostic, industry) including current applications and future directions, and gain insight on the best methods and guidelines for using digital diagnostic technologies for education. This educational component will help those involved in training and mentoring roles, including those training clinical pathology residents and those developing curricula. See you in Chicago!

**Introduction to Digital Clinical Pathology**  
Julie Piccione, DVM MS DACVP  
Texas A&M Veterinary Medical Diagnostic Laboratory

**Training and Teaching Digital Clinical Pathology**  
Tamara Hancock, DVM MS PhD DACVP  
University of Missouri

**Digital Pathology in Toxicologic Pathology**  
Daniel Rudmann, DVM PhD DACVP FIATP  
Charles River Laboratories

**Artificial Intelligence in Digital Pathology**  
Stefan Keller, DVM PhD DECVP  
University of California, Davis

**Digital Clinical Pathology at IDEXX**  
Janice Cruz Cardona, DVM DACVP  
IDEXX

**Digital Clinical Pathology at Zoetis**  
Sarah Johnson, DVM MS DACVP  
Zoetis

**Digital Clinical Pathology at Moichor**  
Kaori Davis, DVM PhD DACVP  
Moichor

**Digital Clinical Pathology at Antech**  
Sarah Beatty, DVM DACVP  
Antech
Tumors of the Urogenital System create considerable difficulty for diagnostic pathologists because many are seldom encountered. Speakers will present a workshop based on material from the upcoming fifth volume of the series, “Surgical Pathology of Tumors of Domestic Animals: Tumors of the Urogenital System.”

This meeting is suitable for veterinary students, interns, residents, graduate students, and anatomic pathologists. The workshop will be organized into presentations and case-based interactive discussions with digital microscopy files available to registrants prior to the meeting. The presentations will focus on the approach to, and the histology and cytology of, key neoplasms of the urinary system, particularly the kidney and bladder, and the reproductive tissues, to include the gonads, accessory genital glands (prostate), and tubular components including the urethra, uterus and external genitalia of both males and females. More information.

Robert Foster, BVSc, PhD, MANZCVS, DACVP
Chiara Palmieri, DVM, PhD
Valeria Grieco, DVM, PhD
Renee Laufer-Amorim, DVM, PhD, ABPV
Dorothee Bienzle, DVM, PhD, DACVP, CAHSF

The toolbox for drug design and discovery is continuously expanding beyond traditional screening methods and chemically synthesized inhibitory small molecules. Emerging biological
products based on improved understanding of human diseases, enhanced understanding of target biology, and the increasing use of precision medicine approaches include oligo therapeutics, mRNA vaccines, targeted protein degraders, antibody-drug conjugates, genome editing, and cellular therapies. Many biological products are demonstrating clinical successes and are increasingly considered earlier in target evaluations. Biological products also bring novel and unique on- and off-target safety challenges in preclinical and/or clinical settings. Understanding the potential advantages and pitfalls of biological products is critical to deciphering their in vivo functions and efficacy, pathobiology, and safety risks. In this workshop experts from academic institutions and pharmaceutical enterprises will provide an overview of these modalities and key safety and pathology features to introduce and broaden our understanding of these emerging areas of drug development. This workshop would be of interest to all career level pathologists and affiliates working in biomedical research and drug development as well as trainees.

5:15-6:30pm
Meet the Pathologist
Chair: Mark Simpson, DVM PhD DACVP

Join us for an informative and insightful discussion on careers in veterinary pathology. Attendees will obtain astute perspectives from established or earlier career ACVP members from diverse sectors and disciplines. Our presenters are selected to represent the variety of professional activities performed by veterinary pathologists. Presenters will introduce their careers, discuss their paths, and describe how they benefit society in a variety of meaningful ways. We will welcome questions regarding these topics and the roles for pathologists in academic, industry, and research disciplines. This informal exchange is designed for veterinary students considering a career as a veterinary pathologist, as well as pathologists/pathologists-in-training thinking about how to navigate their professional trajectories.

7:30-9pm
Exhibit Hall
Opening Reception and Veterinary Student poster viewing with authors
Sunday, October 29
6:30-7:30am
**Yoga Flow with Katherine & Meditation with Sue**
Chairs: Katherine Gibson-Corley, DVM PhD DACVP; Julie Engiles, DACVP
Leaders: Katherine; Sue Knoblaugh, DACVP

Join us for yoga and meditation during the 2023 Annual Meeting! Fellow pathologists, yoga teachers, and meditation experts will lead in-person sessions in the morning before the education programming begins. Classes are designed for beginners, but all yoga and meditation practitioners are welcome!

7-8am
**Exhibit Hall**
**Clinical Pathology and Diagnostic Pathology poster viewing**

7-8:30am
**Student Chapters of ACVP Breakfast**
Chairs: Sophie Aschenbroich, DVM DACVP; Janet Beeler-Marfisi, DACVP

ACVP’s Student Chapters Committee invites all veterinary students attending the 2023 Annual Meeting to attend a breakfast and networking event. The event will highlight what the Committee has to offer, discuss ongoing opportunities from the Society of Toxicologic Pathology, and showcase both the Tuskegee Clinical and Anatomic Pathology Internship Programs, which provide excellent pre-residency support. The Veterinary Student Poster Awards and this year’s Mentor of the Year honoree will also be announced! Finally, this event also offers an opportunity to meet and mingle with pathology heroes, win raffle prizes, as well as engage and learn during a Q&A session fielding general inquiries about residency programs, application processes, and other questions you may have about the field of pathology!

8am-12pm
**ACVP and ASVCP Joint Plenary Session: Microbiome: Microbial Ecology, Environmental Microbiome, Cutaneous Microbiome and Gut Microbiome in Health and Disease**
Chairs: Ingeborg Langoehr, DACVP; Aline Rodrigues Hoffmann, DVM MS PhD DACVP

The Microbiome is a complex ecosystem of bacteria, archaea, fungi, and viruses, that interact with each other and the environment they inhabit to influence health. A Microbiome may be found in ocean water, soil, plants, animals, and humans. Here we will explore how these microorganisms influence health in animals and humans, through complex interactions with the immune system.

**Adventures in our Microbial World**
Jack Gilbert, PhD  
University of California, San Diego

**Precision Microbiome Engineering and the Built Environment**  
Claudia Gunsch, PhD FEWRI  
Duke University

**The Skin We Live In: The Human Skin Microbiome in Health and Disease**  
Heidi H. Kong, MD MHSc  
Cutaneous Microbiome and Inflammation Section, Dermatology Branch, National Institute of Arthritis and Musculoskeletal and Skin Diseases, NIH

**Impact of Bacteria-Derived Small Molecules on Cancer Development and Management**  
Christian Jobin, PhD  
University of Florida

---

8am-12pm  
**ASVCP Veterinary Laboratory Professionals Session I**  
Chair: Trellor Fraites; Sandra Sisson

The VLP sessions cover a broad array of practical and technical clinical pathology topics of interest to clinical pathologists, laboratory technicians, and managers, as well as interns, residents, and graduate students in veterinary pathology programs and veterinary students. Topics to be covered this year include quality assurance and control of point of care analyzers, standardization of cross match reporting, urinary tract diagnostics, sample interferences, the Sysmex hematology analyzer, avian and reptilian hematology, avian biochemistry, and fluid analysis.

**Sizing Up the Sysmex Hematology Analyzer**  
Susan Daly, BSc (Hons) MSc PhD  
Veterinary Pathology Group

**Standardization of Crossmatch Reporting**  
Shauna Blois, DVM DVSc DACVIM (SAIM)  
Ontario Veterinary College, University of Guelph

**Avian/Reptile Hematology**  
Francisco Conrado, DVM MSc DACVP  
Cummings School of Veterinary Medicine, Tufts University

**Fluid Analysis**  
Nora Springer, DVM PhD DAVCP  
College of Veterinary Medicine, University of Tennessee
9:45-10:15am
Exhibit Hall
**Education break and Clinical Pathology and Diagnostic Pathology poster viewing with authors**

12:15-1:15pm
**ASVCP Education Forum**
Chairs: Shannon Dehghanpir, DACVP; Samantha Evans, DACVP; Cheryl Lawson, DACVP

12:15-1:15pm
**Understanding Leptospirosis and Interactions Between Humans and Animals Emerging Disease Focus Seminar**
Chair: Derron Alves, DVM DACVP

Leptospirosis is a zoonotic, multisystemic bacterial disease caused by pathogenic spirochetes of the genus Leptospira. This talk explains the impact of cutting-edge research tools on our understanding of the epidemiology, pathogenesis, clinical manifestations, diagnosis, and prevention of the disease.

Jane Sykes, BVSc(Hons) PhD MBA GCPH DACVIM(SAIM)
University of California, Davis

12:15-1:15pm
**Veterinary Student Platform Session**
Chairs: Emily Corbin, DACVP; Tzushan Sharon Yang, DACVP

1:30-3:30pm
**ACVP Veterinary Student and Resident Forum**
Schools with veterinary pathology programs showcase their programs at their designated table, with faculty and current residents available to chat with veterinary students who move from table to table, exploring options in a relaxed atmosphere.

1:30-5pm
**ASVCP Veterinary Laboratory Professionals Session II**
Chair: Trellor Fraites; Sandra Sisson

The VLP sessions cover a broad array of practical and technical clinical pathology topics of interest to clinical pathologists, laboratory technicians, and managers, as well as interns, residents, and graduate students in veterinary pathology programs and veterinary students. Topics to be covered this year include quality assurance and control of point of care analyzers,
standardization of cross match reporting, urinary tract diagnostics, sample interferences, the Sysmex hematology analyzer, avian and reptilian hematology, avian biochemistry, and fluid analysis.

**QA/QC for POC Analyzers**  
Susan Daly, BSc (Hons) MSc PhD  
Veterinary Pathology Group

**Urinary Tract Diagnostics**  
Mary Nabity, DVM PhD DACVP  
Texas A&M University School of Veterinary Medicine & Biomedical Sciences

**Avian Biochemistry**  
Melanie Ammersbach, DVM DACVP  
UC Davis School of Veterinary Medicine

**Sample Interferences**  
Erica Behling-Kelly, DVM PhD DACVP  
Cornell University College of Veterinary Medicine

1:30-5pm  
**Clinical Pathology Focused Scientific Session I**  
Chair: Melinda Camus, DACVP

**Feline Obesity: Systemic Effects of Energy Metabolism on Dysregulation**  
Obesity is common in the pet cat population and causes significant morbidity in these patients. This situation presents a unique opportunity to use them as large animal models for unraveling the mechanisms of obesity-related metabolism and testing of novel therapeutics. This talk will present recent data characterizing feline obesity from an adipose-centric perspective and will include a presentation of unique microbiome differences. We will round the talk out with a presentation of preliminary findings on circulating fibroblast growth factor 21 (FGF21), a potential novel therapeutic agent, with a focus on the signaling pathway in cats.

Emily Graff, DVM PhD DACVP  
Auburn University

1:30-5pm  
**Digital Pathology and Multimodal Data Mining in Diagnosis**  
Chairs: Elisa Salas, DACVP; Aleksandra Zuraw, DVM PhD DACVP
Speakers will cover topics ranging from digital microscopy and telecytology/telehistopathology accessibility to artificial intelligence use in data integration. This session will demystify computational pathology and offer accessible tools for use in diagnostic and experimental pathology.

**Big Data-Driven Decision-Making: AI and Integrative Diagnostics**  
Lila Ramaiah, DVM PhD DACVP  
Janssen

**Data Mining on Microscopy Datasets: What Can We Learn to Help the Diagnostic Pathologists?**  
Christof Betram, DVM PhD DACVP  
University of Veterinary Medicine Vienna, Austria

1:30-5pm  
**Diagnostic Pathology Focused Scientific Session I**  
Chair: Arnaud Van Wettere, DVM MS PhD DACVP

3-3:30pm  
Exhibit Hall  
**Education break and Clinical Pathology and Diagnostic Pathology poster viewing with authors**

5-7pm  
**Speed Networking Event**  
*Limited pre-registration required. Watch for details.*  
Chair: Oded Foreman, DVM DACVP

Speed Networking offers veterinary pathology trainees access to mid-career pathologists in a relaxed, intimate atmosphere, via round-robin style brief interactions. **Registration is limited to the first 20 trainee and first 20 mid-career registrants.**

Mid-career pathologists will represent a range of career settings (academia, industry, diagnostics) with a wide spread of interests and expertise.

How: Trainees are randomly paired with volunteers in a series of round-robin-style brief exchanges. Pairs have 5 minutes to introduce themselves and briefly summarize their histories and goals and to exchange contact information. Once the first round is complete the trainees rotate to the next space.

Mid-career pathologist commitment: Attend the event, be willing to share professional information about yourself and your career path, have fun.
Trainee commitment: Attend the event, have fun.

What’s in it for you: Meet 20 new colleagues and expand your professional and social network. Help the next generation of pathologists grow their interests and careers.

5:30-7pm
**ACVP Town Hall Business Meeting**
Chair: ACVP President Jerry Ritchey, DVM PhD DACVP
*ACVP members only*

7-9pm
**Mystery Slide Review Session: Neuropathology**
Chair: Andrew Miller, DACVP

The mystery neuropathology session has been a mainstay at the annual ACVP meeting dating back close to four decades. Cases will be presented and discussed further by a panel of expert veterinary neuropathologists.

Submit your interesting cases for possible inclusion to [Andrew Miller](mailto:Andrew.Miller@acvp.org) by July 5.

7-10pm
**Affiliate and Alumni Receptions**
Monday, October 30
6:30-7:30am
**Yoga Flow with Katherine & Meditation with David**
Chairs: Katherine Gibson-Corley, DVM PhD DACVP; Julie Engiles, DACVP
Leaders: Katherine; David Rotstein, DVM MPVM DACVP

Join us for yoga and meditation during the 2023 Annual Meeting! Fellow pathologists, yoga teachers, and meditation experts will lead in-person sessions in the morning before the education programming begins. Classes are designed for beginners, but all yoga and meditation practitioners are welcome!

7-8am
Exhibit Hall
**Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease poster viewing**

7-10am
**Davis-Thompson Foundation Board Meeting**
Chair: Francisco Uzal, DVM MSc PhD DACVP
*Invitation only*

8am-12pm
**ASVCP Current Topics in Clinical Pathology: From Data to Diagnosis: Harnessing Artificial Intelligence in Pathology**
Chair: Julie Allen, DACVP

We will explore the remarkable potential of AI in pathology, shedding light on its applications and challenges, and the future it holds. As the field of pathology undergoes a revolutionary transformation, fueled by the power of AI, we explore how intelligent algorithms and machine learning techniques are reshaping the landscape of disease detection, prognostication, and treatment. We will delve into the realm of digital pathology, where algorithms analyze complex medical images with unprecedented accuracy, uncover patterns in vast datasets, and empower pathologists with enhanced diagnostic capabilities. Join us as we learn about the convergence of medicine and technology as we unravel the intricacies and applications of Artificial Intelligence in Pathology.

**Introduction to AI/MBL in Pathology**
Hooman Rashidi, MD MS FCAP
Cleveland Clinic
Artificial Intelligence in Human Cytopathology
Jianyu Rao, MC FCAP FacdTM
University of California, Los Angeles

Use of AI in Veterinary Anatomic and Toxicologic Pathology
Aleksandra Zuraw, DVM PhD DACVP
Digital Pathology Place, Charles River Laboratories

Use of AI Algorithms in the Diagnosis of Disease
Krystle Reagan, DVM DACVIM (SAIM)
UC Davis School of Veterinary Medicine

8am-12pm  
**Frontiers in Unconventional Drug Discovery Tools and Therapeutics Concurrent Session**  
Chairs: Lauren Himmel, DACVP; Katie Heinz-Taheny, DACVP

**Wild Mouse Microbiota in Preclinical Models of Inflammation and Metabolism**  
Barbara Rehermann, MD  
Immunology Section, Liver Diseases Branch, NIDDK, NIH

**Xenotransplantation: Considerations for First-in-Human Clinical Trials**  
Judith Arcidiacono, MS  
U.S. Food and Drug Administration, Center for Biologics Evaluation and Research, Office of Therapeutic Products

**CVM Oversight of Intentional Genomic Alterations in Animals Intended for Xenotransplantation Use**  
Adam Moyer, PhD  
U.S. Food and Drug Administration, Center for Veterinary Medicine, Division of Animal Bioengineering and Cellular Therapies

8am-12pm  
**Wildlife Pathology Impacts on Research, Conservation, and Policy Concurrent Session**  
Chairs: Kathleen Colegrove, DVM PhD DACVP; Martha Delaney, DVM MS PhD DACVP

Diagnostic pathology and surveillance of free-ranging wildlife and non-domestic animals in managed care is critical to conservation of these species, but also preservation of ecosystems and advancements in public health worldwide. Join us as we journey around the globe through stories from four pillars of wildlife pathology.
The Role of Zoo and Wildlife Pathology in Conservation
Patricia Gaffney, DVM MPVM PhD DACVP
San Diego Zoo Wildlife Alliance, San Diego, CA

Wildlife Health Surveillance Across the Canadian North
Pierre-Yves Daoust, DVM PhD DACVP
Canadian Wildlife Health Cooperative, Atlantic Veterinary College, University of Prince Edward Island, Canada

Wildlife Pathology in Asia
Neel Aziz, DVM DACVP
Smithsonian Conservation Biology Institute/National Zoological Park

Disease Monitoring of Wild Primates: Contributions to Conservation and Primate Health Including Human Primates
Karen Terio, DVM PhD DACVP
University of Illinois Zoological Pathology Program

8am-12pm
Diagnostic Pathology Focused Scientific Session II
Chair: Arnaud Van Wettere, DVM MS PhD DACVP

9:45-10:15am
Education break and Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease poster viewing with authors

12:15-3pm
Latin Comparative Pathology Group Presents and Meeting
Chair: Francisco Carvallo, DACVP
In this session, the LCPG will host presentations of distinguished veterinary pathologists from the U.S. and Latin America. After the academic session, the annual business meeting will take place.

Standardization Oncologic Pathology - What Took So Long?
Donald Meuten, DVM PhD DACVP
retired (North Carolina State University)

1:30-3pm
ASVCP Case Review Session
Chair: Kristin Fisher, DACVP
1:30-5pm
Cutting Edge Molecular Technology and Its Application in the Diagnostic Lab (AAVLD session)
Chairs: Grant Burcham, DVM PhD DACVP; Francisco Uzal, DVM MSc PhD DACVP

This session, a joint effort between the pathology committee of the American Association of Veterinary Laboratory Diagnosticians (AAVLD) and the ACVP, highlights scientists engaged in innovative work happening in veterinary diagnostic labs throughout the US. Caseloads that include livestock and poultry require efficient testing for a range of infectious causes of disease, and techniques such as next-generation sequencing offer promise in this realm. Linking etiologies to histologic lesions has also been a challenge for pathologists in diagnostic settings; in-situ hybridization is one possible, although technically challenging, solution. Speakers will cover in-situ hybridization and next-generation sequencing, and their current uses.

Next Generation Sequencing for Pathogen Detection and Characterization in Veterinary Diagnostics
Eric Burrough, DVM PhD DACVP
Iowa State University Veterinary Diagnostic Laboratory

Next Generation Sequencing and Its Use in Vector-Borne Disease Panel Conception and Validation, and Syndromic Panel Development
Rebecca Wilkes, DVM PhD DACVM
Dept. of Comparative Pathobiology and Animal Disease Diagnostic Lab, College of Veterinary Medicine, Purdue University

In Situ Hybridization: Past and Present
Corrie Brown, DVM PhD DACVP
University of Georgia

Applications of Next-Generation Sequencing For Clinical Viral Cases at Veterinary Diagnostic Laboratories
Leyi Wang, DVM PhD DACVM
University of Illinois at Urbana-Champaign

1:30-5pm
Industrial and Toxicologic Pathology Focused Scientific Session
Chair: Amit Kumar, DACVP
1:30-5pm
**Natural Disease Focused Scientific Session**
Chair: Elena Alina Demeter, DACVP

*The Continuing Saga of Highly Pathogenic Avian Influenza: The Plight of Wild Birds*
This session will provide an update on the highly pathogenic avian influenza virus (HPAIV) in poultry, wild birds, and mammals, with special focus on impact, pathology, zoonotic aspects, and ecology.

Nicole Nemeth, DVM PhD DACVP
UGA-College of Veterinary Medicine, Department of Pathology, Department of Population Health, Southeastern Cooperative Wildlife Disease Study

3-3:30pm
**Education break and Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease poster viewing with authors**

3:45-5:15pm
**ASVCP Business Meeting**
Chair: ASVCP President Charlotte Hollinger, DACVP
*ASVCP members only*

5-6:30pm
**Davis-Thompson Foundation Awards Reception**
Chair: Annette Gendron-Fitzpatrick, DACVP

5:15-6:45pm
**ASVCP Reception**
Chair: ASVCP President Charlotte Hollinger, DACVP
*ASVCP members only*

7-8pm
**ASVCP Resident Meet and Greet**

7-9pm
**Mystery Slide Review Session: Respiratory Pathology**
Chair: Kurt Williams, DVM PhD DACVP
This year’s rotating mystery slide session topic is Respiratory Pathology! This session will emphasize cases that give a glimpse into the diverse array of causes of respiratory disease in veterinary medicine and the varied response of the system to injury.

Interesting respiratory pathology cases for consideration may be emailed to Kurt Williams by July 20. Preference will be given to cases that reflect a diversity of causes of disease and reflect the varied response of the respiratory system to injury.

7-10pm
Affiliate and Alumni Receptions
Tuesday, October 31
6:30-7:30am
Yoga Flow & Meditation with Julie
Chairs: Katherine Gibson-Corley, DVM PhD DACVP; Julie Engiles, DACVP
Leader: Julie

Join us for yoga and meditation during the 2023 Annual Meeting! Fellow pathologists, yoga teachers, and meditation experts will lead in-person sessions in the morning before the education programming begins. Classes are designed for beginners, but all yoga and meditation practitioners are welcome!

7-8am
Late-breaking poster viewing

8am-12pm
The Real World of Laboratory Animal Pathology Concurrent Session
Chairs: Ingrid Bergin, VMD MS DACLAM DACVP; Heather Tillman, DACVP

Join us for a case-based, realistic glimpse into the daily practice of laboratory animal pathology. In this field, species diversity and experimental scenarios often lead to some very unusual and challenging case presentations. In this session, laboratory animal pathologists will share examples of their day-to-day cases from diagnostic, experimental biology, or industry settings. If you are interested in a lab animal pathology career, if you occasionally see lab animal species and want to understand more about this type of pathology, or if you simply enjoy weird stuff and a good mystery, this session is for you!

You Are What You Eat: The Microbiome Influence on Phenotype
Ingrid Bergin, DVM PhD DACVP
University of Michigan, Ann Arbor

Expect the Unexpected in Nude Mice
Denise Imai, DVM PhD DACVP
University of California-Davis School of Veterinary Medicine

Rodent Hematology and Clinical Chemistry: Learning “Groupthink” in Clinical Pathology
Charles Wiedmeyer, DVM PhD DACVP
Charles River (MWN-CR)
8am-12pm  
**Clinical Pathology Focused Scientific Session II**  
Chair: Melinda Camus, DACVP

**Lipoproteins and Their Role in the Innate Immune Response in Veterinary Species**  
Lipoproteins are critical components of the innate immune response. They are known to sequester the majority of circulating bacterial toxins, modulate the response to inflammatory cytokines, and impact the function of neutrophils and macrophages across several species. The composition of lipoproteins is altered by diet, season, life-stage, and several inflammatory, endocrine, and metabolic diseases. This talk will focus on work done using the dog and cow as animal models to elucidate mechanistic interactions between subsets of lipoproteins and the innate immune response and elucidate how compositional changes of the lipoproteins impact these interactions.

Erica Behling-Kelly, DVM PhD DACVP  
Cornell University

8am-12pm  
**Veterinary Forensic Pathology Session**  
Chairs: Beverly McEwen, DVM MSc PhD DACVP, Adam Stern, DVM DACVP; Tabitha Viner, DVM DACVP

The theme of this session is decomposition. Attendees will learn about decomposition, taphonomy, estimation of the postmortem interval, and postmortem examination of decomposed animal bodies. Case reports will illustrate the value of examining less-than-fresh cases.

**Decomposition/Taphonomy**  
Lerah Sutton, PhD  
University of Florida

**Autopsy of Burned and Decomposed Animal Bodies**  
Adam Stern, DVM DACVP  
University of Florida

**Effects of Submersion in Water on Decomposition**  
Samantha Polk, BVMS  
Oregon State University

**Postmortem Interval – Current Status in Animals**  
Jason Brooks, DVM PhD DACVP  
Pennsylvania State University
Utilization of Alternate Matrices for Detection of Pentobarbital in Deceased Cats and Dogs
Courtney Valerio, BVMS MRCVS
University of Florida

Using NGS and ISH to Identify Thanatotranscriptomic Expressions of the Mouse Brains for Estimating Postmortem Intervals
Wei-Hsiang Huang, DVM PhD CSVP
National Taiwan University

Illegal Take of Formosan Black Bears
Yi-Hsiang Huang, DVM
National Taiwan University

9:45-10:15am
Education break and late-breaking poster viewing with authors

10am-12pm
Letters or Not, Here We Come! Career Development Session
Chair: Corry Yeouroikis, DACVP

After spending years in college, professional school, and sometimes working in the field, veterinarians might decide to go through residency training and possibly graduate school to obtain the required credentialing to work as clinical and/or anatomic pathologists. Some colleagues in industry also might see the necessity to pursue credentials in toxicology (national and international), laboratory animal medicine, and other related fields. The objective of this session is to have an open discussion with a panel of successful professionals with diverse experience and professional background about the credentials truly required to perform our jobs as clinical and/or anatomic pathologists.

Panel Discussion:
Brad Bolon, DVM MS PhD DACVP DABT FATS FIATP FRCPath
GEMpath, Inc.

Phaedra Cole, DVM MS DACVP DABT
Zoetis

Sue Knoblaugh, DVM DACVP
The Ohio State University, College of Veterinary Medicine

Richard Luong, BVSc DACVP
IDEXX
The experimental disease session features speakers whose research propels what we know about pathophysiology and pathogenesis. The work highlighted during this session elucidates carcinogenesis and chemoprevention, fueling therapeutic advances to benefit animal and human health. Other studies unearth the molecular secrets of etiologic agents and probe the immune responses that shape disease progression. With animal models of any size, from neuro- to uro-, you won’t want to miss it!
Induction Animal Models of Prostate Cancer: Relevance, Applications, and Mechanisms
Maarten Bosland, DVSc PhD CRP/TP Board Certified Laboratory Animal Pathologist (Netherlands)
University of Illinois at Chicago

1:30-5pm
Natural Disease Focused Scientific Session
Chair: Elena Alina Demeter, DACVP

3-3:30pm
Education break and late-breaking poster viewing with authors

5:15-6:30pm
ACVP Awards and Recognition Event
Chair: ACVP President Jerry Ritchey, DVM PhD DACVP
Come celebrate 2023 ACVP award winners.

6:30-8pm
President's Reception
Chair: ACVP President Jerry Ritchey, DVM PhD DACVP
Wrap up your Annual Meeting experience networking with other attendees.