2023 ACVP/ASVCP Annual Meeting Program
*as of August 16, 2023

Friday, October 27
5-8pm
Meeting Registration open

5-8pm
Speaker Ready Room open

Saturday, October 28
7am-7:30pm
Meeting Registration open

7am-7pm
Speaker Ready Room open

8am-12pm, 1:30-5pm
ACVP Primate Pathology 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

8-11:45am, 1:15-5pm
ASVCP Workshop: Digital Microscopy Use in Veterinary Clinical Pathology: The Future is Now
*additional fee required
Chair: Cheryl Moller, BSc BVMS 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, Teaching/Training, Industry, Artificial Intelligence**
Julie Piccione, DVM MS DACVP
Texas A&M Veterinary Medical Diagnostic Laboratory

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

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

**Artificial Intelligence in 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
8am-12pm, 1:30-5pm

**Davis-Thompson Foundation Workshop: Tumors of the Urogenital System - No Kidneying, Ovary-reacting, or Testifying**

*additional fee required*

Chair: Jennifer Chapman, DVM DACVP

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.](#)

**Presenters**

- Dorothee Bienzle, DVM PhD DACVP
- Robert Foster, BVSc PhD MANZCVS DACVP
- Valeria Grieco, DVM PhD
- Renee Laufer-Amorim, DVM PhD Diplomate Brazilian Association of Veterinary Pathology (ABPV)
- Chiara Palmieri, DVM PhD DECVP

1-5pm

**ACVP Comparative Pathology Workshop: Contemporary Drug Modalities and Routes - Pathology and Comparative Biology**

*additional fee required*

Chairs: Hibret Adissu, DVM DVs PhD DACVP; Sue Knoblaugh, DVM DACVP; Jessica Snyder, DVM DACVP; Heather Sheppard, DVM PhD DACVP

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.

**Recent Advances in Immunotherapeutics and Associated Comparative Pathology**  
Keith Mansfield, DVM DACVP  
Novartis Institutes for BioMedical Research

**Pathology, Toxicology and Safety of Oligonucleotide Therapeutics**  
Kendal Frazier, DVM PhD DACVP DABT FIATP  
Private consultant

**Preclinical Safety and Pathology of PROTAC Therapeutics**  
Clare Hoover, DVM PhD DACVP  
AstraZeneca

**Ocular Biologic Therapeutics – Expected and Unexpected Pathology**  
Ken Schafer, DVM PhD DACVP  
Greenfield Pathology Services, Inc.

**After the Jab: Injection Site Reactions**  
Rani Sellers, DVM PhD DACVP  
University of North Carolina at Chapel Hill

5-7:30pm  
**ACVP Women in Pathology SIG Workshop: Negotiation in Practice**  
*additional fee required*  
Chair: Lorelei Clarke, DACVP

Looking to master a skill that will really pay off? Join us for a sure-to-be-rewarding presentation and workshop with negotiation expert Sophia Zisook to learn how to better value your skill sets and advocate for yourself in a market that’s constantly evolving. We’ll cover why it’s so important to negotiate salary, benefits, severance, and more and teach you how to do it well, with plenty of timely tips. Participants will have the opportunity to practice and refine the principles and skills of negotiation.

**Presenter**  
Sophia Zisook, MS  
Licensed association worker, Negotiate with Sophia

5-6:30pm  
**ACVP Comparative Pathology SIG Meeting**  
Chairs: Hibret Adissu, DVM DVs PhD DACVP; Sue Knoblaugh, DVM DACVP; Jessica Snyder, DVM DACVP; Heather Sheppard, DVM PhD DACVP

The ACVP Comparative Pathology Special Interest Group (SIG) meeting will be an opportunity for members of the SIG to connect with one another, socialize, and attend a short business meeting.

*Saturday, October 28*
5:30-7:00pm
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. Presenters representing the variety of professional activities performed by veterinary pathologists 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 open
Opening Reception and veterinary student poster viewing (authors present)
Sunday, October 29

6:30am-6:30pm
Meeting Registration open

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, DVM 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!

7am-6pm
Speaker Ready Room open

7-8am
**Sunrise Poster Viewing: Clinical Pathology and Diagnostic Pathology**
Coffee available

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 -- Microbiome: Microbial Ecology, Environmental Microbiome, Cutaneous Microbiome and Gut Microbiome in Health and Disease**
Chairs: Ingeborg Langohr, 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

Sunday, October 29
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
National Institute of Arthritis and Musculoskeletal and Skin Diseases, NIH
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 open
Education break and Clinical Pathology and Diagnostic Pathology poster viewing (authors present)
Coffee available

12-1:30pm
Exhibit Hall open
Clinical Pathology and Diagnostic Pathology poster viewing

Sunday, October 29
12:15-1:15pm
**ASVCP Education Forum: The Exodus of Pathologists from Academia**
Chairs: Shannon Dehghanpir, DACVP; Samantha Evans, DACVP; Cheryl Lawson, DACVP

Labor trends have noted increasing numbers of resignations in the labor market, including within academia. In veterinary medicine, this phenomenon could have lasting impacts on veterinary student, intern, and resident training. Please join the ASVCP Education Committee along with a group of invited panelists in a lively discussion deliberating the potential causes, impacts, and solutions to this "Great Resignation" in academia.

**Panelists**
Ingeborg Langohr, DVM MS PhD DACVP
Sanofi

Jennifer Neel, DVM DACVP
Antech Diagnostics

Leslie Sharkey, DVM PhD DACVP
Tufts University

Koranda Walsh, VMD DACVIM (SAIM) DACVP
University of Pennsylvania

12:15-1:15pm
**ACVP Emerging Disease Focus Seminar: Understanding Leptospirosis and Interactions Between Humans and Animals**
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, DVM DACVP DACVPM; Tzushan Sharon Yang, DVM PhD DACVP

Watch selected veterinary students present their research orally as part of this education session.

1:30-3:30pm
**ACVP Veterinary Students and Residents Forum**
Chairs: Sophie Aschenbroich, DVM DACVP; Janet Beeler-Marfisi, DACVP

The Forum offers an opportunity for current training program residents and faculty to showcase their offerings to interested veterinary medicine students. The event offers vet students an opportunity to meet face-to-face with current program trainees and faculty in a relaxed atmosphere, to learn about each program.

Current residents represent their program at their designated table for the first hour of the event (1:30pm-2:30pm) while chatting with prospective veterinary students about their programs and experiences. Program
directors will talk with students during the second hour of the event (2:30pm-3:30pm) to provide additional program information.

1:30-5pm

**ACVP Concurrent Session: Digital Pathology and Multimodal Data Mining in Research and 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.

- **Static Telepathology and Telecytology - A Thing of the Past or a New Trend on the Rise**
  Aleksandra Zuraw, DVM PhD DACVP
  Charles River Laboratories

- **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

**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

This session will feature an invited speaker on fat cat metabolism and the associated microbiome and platform presentations on a variety of clinical pathology topics, including test development in a variety of species.

**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**  
**Diagnostic Pathology Focused Scientific Session I**  
Chair: Arnaud Van Wettere, DVM MS PhD DACVP

The Diagnostic Pathology session features speakers presenting case reports of classic or unusual disease entities in companion, food, laboratory, and zoo/wild animals.

**3-3:30pm**  
**Exhibit Hall open**  
**Education break and Clinical Pathology and Diagnostic Pathology poster viewing (authors present)**  
**Coffee available**

**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. Mid-career pathologists will represent a range of career settings (academia, industry, diagnostics) with a wide spread of interests and expertise. **Registration is limited to the first 20 trainee and first 20 mid-career registrants.**

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
**Neuropathology Mystery Slide Session**
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.

7-9pm
**Meals for Hope Community Outreach Activity**
Chair: Kristin Fisher, DACVP

Join the ACVP Member Relations Committee for our annual Community Outreach Activity (CO-Act) event. This year we will be packing 10,000 meal kits that will be donated to a local food bank through the non-profit charity, [Meals of Hope](#). Don’t miss out on this opportunity to network for a cause as we gather with friends and colleagues to do some good for the Greater Chicago community. **Pre-registration (at time of meeting registration) is required and limited to the first 50 volunteers.**

7-9pm
**The Ohio State University Alumni & Friends Reception**
Contact: Sue Harsch

7-9pm
**Purdue Alumni & Friends Reception**
Contact: Susan Xioufaridou

7-9pm
**Michigan State University Alumni Reception**
Grand Lux Cafe
Contact: Kelsie Donaldson

7-10pm
**Student Mixer with the Society for Toxicologic Pathology**
Contact: Denise Schwahn
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!

7am-5pm
**Meeting Registration open**

7am-6pm
**Speaker Ready Room open**

7-8am
**Sunrise Poster Viewing: Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease**
Coffee available

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

8am-12pm
**ACVP Concurrent Session: 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

- **From Genes to Dreams: Veterinary Pathologists Shaping the Future of Genetic Medicine**
  Basel Assaf, BVSc PhD DACVP
  Sanofi
ACVP Concurrent Session: 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 are 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, Washington, DC

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, Brookfield, IL

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 FacTM
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
Diagnostic Pathology Focused Scientific Session II
Chair: Arnaud Van Wettere, DVM MS PhD DACVP

The Diagnostic Pathology session features speakers presenting case reports of classic or unusual disease entities in companion, food, laboratory, and zoo/wild animals.

9:45-10:15am
Exhibit Hall open
Education break and Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease poster viewing (authors present)
Coffee available

9:45-10:15am
ACVP Mentorship Meetup
Chairs: Pompei Bolfa, DVM DACVP; Erica Carroll, DACVP; Katherine Gibson-Corley, DVM PhD DACVP

Mentors and Mentees (current and past) in the ACVP Mentorship Program are invited to join us to connect with your current pairing and with others in the program. Members interested in participating in the program in the future are also encouraged to attend to learn more in this informal setting. ACVP Mentors and Mentees can be identified throughout the meeting by ribbons on their name badges.

12-1:30pm
Exhibit Hall open
Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease poster viewing
** 2023 Exhibit Hall concludes at 1:30pm on Monday

12:15-1:15pm
ACVP Training Program Network Lunch
*Invitation only
Chairs: Valerie McElliott, DACVP; Keith Nelson, DACVP; Corry Yeuroukis, DACVP

12:15-3pm
Latin Comparative Pathology Group Presents and Meeting
Chair: Angela Arenas, DVM PhD DACVP

In this session, the LCPG will host presentations of distinguished veterinary pathologists from the United States 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)
Recent Advances in Immunotherapeutics and Associated Comparative Pathology
Jao Pedro Cavasin, DVM DACVP
Novartis Institutes for BioMedical Research

1:30-3pm
**Natural Disease Focused Scientific Session**
Chair: Elena Alina Demeter, DACVP

The Natural Disease session features speakers presenting research, case series, and case reports on classic and unusual natural disease entities in a broad range of species. From updates on classic conditions to unusual presentations of disease entities, this session should not be missed!

1:30-3:30pm
**ASVCP Case Review Session**
Chair: Kristin Fisher, DACVP

1:30-5pm
**ACVP and AAVLD Session: Cutting Edge Molecular Technology and Its Application in the Diagnostic Lab**
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

*Monday, October 30*
1:30-5pm
**Industrial and Toxicologic Pathology Focused Scientific Session**
Chair: Amit Kumar, DACVP

Partnership between academia and industry in advancing the field of toxicologic pathology is essential. This session will focus on opportunities and challenges of providing toxicologic pathology education to trainees and early career toxicologic pathologists to meet the needs of pharmaceutical and other biomedical industries. Contributions to the field by academic pathologists will be discussed. The desired outcome of this session is to incentivize collaboration between academic training programs, industry, and professional societies to provide appropriate training and resources for toxicologic pathologists. The session will also include presentations from abstract submitters focusing on topics such as protein degraders, digital pathology, developmental toxicology, and environmental toxicology.

**Toxicologic Pathology: From Academia to Industry**
Wanda Haschek-Hock, BVSc PhD DACVP DABT FIATP
University of Illinois

**Toxicologic Pathology: From Academia to Industry**
Kristin Barnhart, DVM PhD DACVP
Inotiv Inc.

3-3:30pm
**Education break and Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease poster viewing (authors present)**
Coffee available

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**
Chair: Cheryl Lawson, DACVP

7-9pm
**Mystery Slide Review Session: Respiratory Pathology**
Chair: Kurt Williams, DVM PhD DACVP

*Monday, October 30*
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.

7-9pm
Cornell University Veterinary Alumni Reception
Contact: Jill Beebe

7-9pm
University of California, Davis, Alumni & Friends Reception
Contact: Denise Imai-Leonard

8-10pm
University of Georgia, Department of Pathology Alumni Reception
Contact: Amanda Wages
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!

7am-1pm
**Meeting Registration open**

7am-1pm
**Speaker Ready Room open**

7-8am
**Sunrise Poster Viewing: Late-breaking**
Coffee available

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

**A Different Kind of Surf & Turf: The Spectrum of Comparative Pathology**
Jose Vilches-Moure, DVM PhD DACVP
Stanford University Medical Center

**Rodent Hematology and Clinical Chemistry: Learning “Groupthink” in Clinical Pathology**
Charles Wiedmeyer, DVM PhD DACVP
Charles River (MWN-CR)
Is it Human or Mouse? Interpreting Lesions in Preclinical Humanized Mouse Models
Heather Sheppard, DVM PhD DACVP
St. Jude Children's Research Hospital

8am-12pm
ACVP Concurrent Session: Veterinary Forensic Pathology
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

8am-12pm
Clinical Pathology Focused Scientific Session II
Chair: Melinda Camus, DACVP

This session will feature an invited speaker on the role of lipids in inflammation and platform presentations on a wide variety of topics from competitors for the Young Investigator Award.

Tuesday, October 31
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

9:45-10:15am
Education break and late-breaking poster viewing (authors present)
Coffee available

10am-12pm
ACVP Career Development Session: Letters or Not, Here We Come!
Chair: Ingeborg Langohr, DVM MS PhD DACVP; Ingrid Pardo, DVM MS 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.

Panelists
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

Keith Mansfield, DVM DACVP
Novartis

Andres F Mejia, DVM MS DACLA M DACVP
University of Wisconsin-Madison

Emily Meseck, DVM DACVP DABT
Novartis Pharmaceuticals Corporation
Andrew D. Miller, DVM DACVP
Cornell University College of Veterinary Medicine, Department of Population Medicine and Diagnostic Sciences

Kelley Penraat, MS DVM MVSc DACVP
Novartis Institutes for Biomedical Research

Angela Pillatzki, DVM MS DACVP
South Dakota State University

12-1:30pm
Late-breaking poster viewing

12:15-1:15pm
Veterinary Pathology Journal Session: Making Your Pictures Worth a Thousand Words -- Capturing and Editing Publication Worth Images
Chair: Joshua Webster, DACVP

Images are a key way pathologists communicate in scientific publications and presentations. In this session, image editors from Veterinary Pathology will discuss how to capture and edit publication quality images for scientific presentations and publications with an emphasis on publishing in Veterinary Pathology.

Panelists
Hannah Bender, BVSc PhD DACVP
Genentech

Silvia Ferro, DVM
University of Padova

1:30-5pm
ASVCP Mystery Slide Case Session
Chair: Kristin Fisher, DACVP

1:30-5pm
Experimental Disease Focused Scientific Session
Chair: LaTasha Crawford, DVM PhD DACVP

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

Tuesday, October 31
1:30-5pm  
**Natural Disease Focused Scientific Session**  
Chair: Elena Alina Demeter, DACVP

The Natural Disease session features speakers presenting research, case series, and case reports on classic and unusual natural disease entities in a broad range of species. From updates on classic conditions to unusual presentations of disease entities, this session should not be missed!

**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

2-4:30pm  
**ACVP Diversity, Equity, and Inclusion Committee Session and Social Event**  
From Ideas to Action: Insights from Leadership for Creating an Inclusive Veterinary Pathology Community  
Chairs: Raisa Glabman, MS VMD DACVP; Timothy Wu, MS DVM DACVP

In this session, ACVP and ASCVP members with leadership roles within or outside of ACVP/ASVCP are invited for a panel discussion concerning aspects of diversity, equity, and inclusion. This panel will not only seek to identify and speak on issues within the colleges, but also identify action items to address these issues, and discuss any limitations to these actions that might exist, and how to overcome them. During the panel discussion, prepared questions will be presented to the panelists, and afterwards the floor will be opened for questions from the audience. The session will conclude with time for socializing and discussion over light snacks and drinks.

**Panelists**
- Melinda Camus, DVM DACVP  
  Auburn University  
- K. Paige Carmichael, DVM PhD DACVP  
  University of Georgia  
- Amy Durham, MS VMD DACVP  
  University of Pennsylvania  
- Emily Meseck, DVM DACVP DABT  
  Novartis Pharmaceuticals

3-3:30pm  
**Late-breaking poster viewing (authors present)**  
Coffee available

3:15-6:30pm  
**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.