From the President

Krista La Perle, DVM, PhD, DACVP
2018 ACVP President

As a relatively new motorcycle rider and owner, I frequently recall the Ralph Waldo Emerson paraphrase, “It’s not the destination, it’s the journey”? I totally concur…but not with regard to professional organizations! Insert your favorite “if you don’t know where you are going” quote here! Two of mine continue, “You won’t know when you get there,” and “You’ll probably end up somewhere else!” Concerning the latter, that “somewhere else” might not be as enjoyable, efficient, cost-effective, or beneficial!

Since ACVP initiated strategic planning under President Gary Boorman in 2000, we have done an impressive job of establishing and accomplishing our strategic initiatives. When Council recently convened in Chicago for action-planning during our spring face-to-face meeting, we were pleased to recognize all that we realized during our 2012-2017 Strategic Plan, (https://bit.ly/2s4gXxn), including:

• Creation of the Certifying Exam Board and everything that Keith Harris and his expansile team have accomplished with regard to transformation of our certifying exam;

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The Secretary/Treasurer’s Corner

Mark Ackermann, DVM, PhD, DACVP
ACVP Secretary/Treasurer

The many major structural and operational changes completed in the ACVP over the last few years could have been a budgetary drain. These changes required numerous teleconferences, face-to-face meetings, major purchases of items such as databases, a new website membership vendor, a new strategic plan, standard setting (twice), movement of exam materials and resources from Ames to Tampa, Job Task Analysis, a new contract with the ACVP executive offices (The Rees Group), formation of major new committees such as the CEB and increased role of the credentialing committee, creation of maintenance of certification (MOC), increased activities and support for residents and students, changes in the annual meeting, major bylaw revisions/updates, and more.

While these changes were being planned and completed, I and others had great concerns about the toll of these changes on the ACVP budget. But it is a relief to now see that we came away with much less of an impact on the budget than it could have been. And investments were not used or tapped. Now, having weathered those storms, the ACVP is well-positioned for growth and a very strong financial future that can implement the new strategic plan, establish financial strengths for new initiatives, and handle unforeseen issues that can and often arise despite our best crystal balls.

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Bottom line: There is something for everyone, whether you’re excited by the new and renewed noted above, or by the old classics like the exam, training programs, or student chapters. In the event that you are passionate about enhancing benefits to our members, you might consider the Member Relations, Life Long Learning, Education, or Awards Committees. You may be interested in shorter-term efforts with defined end-products as undertaken by a task force, or committee work over a longer period of time.

In search of new and additional revenue streams to fuel our aspirational strategic plan, we are excited about executing a comprehensive advancement strategy that incorporates marketing and communications, as well as an all-inclusive fundraising approach. Council will soon be undertaking a review of proposal submissions from agencies catering to non-profit organizations in response to a marketing and communications RFP. We shared our new strategic plan with these firms with the expectation that they will customize their proposed approaches to ACVP’s unique needs. We are eager to make a final selection and begin working with an adviser on our brand and on a far-reaching communication strategy to our members, donors, and stakeholders using multiple media modalities.

We have a clearly mapped “destination” as well as “some stops at interesting attractions planned along the way”! Now we just need “fellow riders” to join us on this ride! Kickstands up!

While we weren’t able to accomplish everything we intended, those actions that deserve more cultivation segue nicely into our new 2018-2022 Strategic Plan, 2018-2022 Strategic Plan summarized below and described in detail on our website. We have also incorporated a scorecard that will help Council formally monitor the collective progress made by our task forces and committees, Council, and the Executive Office, toward accomplishing our new strategic initiatives.

As we tackle the future of veterinary pathology, dominated by digital pathology, artificial intelligence, and advanced molecular tools, we are mindful of our intended, positive impactfulness to our Diplomates specializing in both anatomic pathology and clinical pathology, working in all employment sectors, throughout their entire careers, as well as to our veterinary students and residents/graduate students, employers, and customers.

To do so, we are establishing new committees (i.e., Pathology Informatics, Private Foundations) and task forces (i.e., Future Practice, Intramural Grant Program Implementation, Governance); revamping some existing committees with new names (i.e., Government Policy Policy and Advocacy) and/or new charges (Life Long Learning, Policy and Advocacy, Training Program); and redefining our relationships with existing (i.e., AAVLD, ASIP, ASVCP, CL Davis, STP) and new (i.e., Association for Pathology Informatics, Association for Molecular Pathology) strategic partners.
Our expenses are scrutinized closer than ever through the experience and expertise of Amy Overby, our Executive Director. Amy has revised our budget documentation and also is re-establishing connections with corporate partners and various stakeholders. Also, Karen Terio is making incredible advances with Development and Membership, while Kirstin Barnhart is re-connecting with various corporate partners, and finding new partners and alliances. ACVP has established a Finance Committee, composed of a very thoughtful and insightful cohort who oversees ACVP fiduciary issues. In addition, a private foundation committee is being created to complement fundraising efforts by the development and corporate partners committee. And soon a task force will be created to assess ACVP governance structure to ensure that we can effectively execute our new strategic plan.

Two additional changes with regard to ACVP financial operations are moving the ACVP financial and membership years to a new time. Currently, the fiscal year follows a calendar cycle, while the membership year runs from April 1 to March 31. Both years will now align to July 1 to June 30. Adjusting the financial year and the membership year to this time has great potential to streamline development of the annual budget through better alignment of membership renewal income and reconciliation of annual meeting expenses with the financial year, facilitating more periodic financial reviews.

A lot has been done and there is a lot to do, but we are positioned well in my view. And it happens because we have so many dedicated members who care and work hard to make the ACVP as strong and viable as possible.

Christopher Premanandan, DVM, PhD, DACVP, DACT, remembers reading The Hot Zone in high school and learning for the first time what veterinary pathology entailed.

Today Premanandan is an associate professor in the Department of Veterinary Biosciences at The Ohio State University (OSU), where he directs the Theriogenology and Reproductive Pathology Service.

He completed his undergraduate work at Miami University in Oxford and his veterinary degree in 2001 at OSU. During his senior year, a classmate talked him into doing an elective rotation with the veterinary program on the Navajo reservation, whose veterinarian had left recently. He found the work challenging, so he returned to work there right after graduation. “Strangely enough, a large portion of the clinical work was reproduction oriented,” said Premanandan. “I had no idea that I would make that a focus of my career later on.”

Premanandan returned to OSU for its combined pathology residency/PhD program and completed his dissertation in the laboratory of Michael Lairmore (now the dean of UC Davis). After finishing the program in 2008, he accepted a clinical faculty position at OSU, and he has been there ever since.

He credits several individuals, including Steve Weisbrode, Paul Stromberg, Don Schlafer, and Rob Foster, for fueling his passions during veterinary school, residency, and beyond. However, his interest in reproductive pathology did not grow from any kind of inspiring occurrence. After starting the faculty position, Steve Weisbrode told him to take on the instruction of reproductive histology. Having spent his PhD studying pulmonary anthrax and immunology, Premanandan thought the respiratory system would be a better fit. Dr. Weisbrode responded, “Tough,” and the rest was history.

Several years after starting his faculty position, he had the opportunity to pursue an alternate route training program in theriogenology under the mentorship of OSU theriogenologist Marco Coutinho da Silva. Thanks to Marco and the support of his chairperson at the time, Mike Oglesbee, Premanandan achieved board certification in theriogenology in 2016. Each person had important roles in shaping Premanandan’s career path and inspired him to constantly challenge himself.

At OSU, approximately 70%-75% of Premanandan’s time is devoted to teaching and service (necropsies, surgical biopsies, etc.). The rest of his time involves collaborative research projects and administrative responsibilities. About two years ago, he started the Theriogenology and Reproductive Pathology Service. The tissues submitted to this service come from practitioners around the country and provide a variety of challenging cases as well as teaching materials.

His advice to students entering the field? “Maintain a degree of flexibility during your journey,” he said. “I ended up going in a completely different direction with my career after finishing my training.”
2018 ballots were sent via email to all ACVP members and emeritus members on May 31. Two reminder messages will be sent prior to the deadline of June 21. ACVP is your college. Please participate in ACVP elections!

Kathryn (Kate) Eaton, DVM, PhD, Dipl ACVP

Vision Statement: In my experience working with many different volunteer organizations (from dog training to the Society of Friends [Quakers]) I have never experienced an organization whose members are as committed as those of the ACVP. We are a remarkable group. Over my 25+ year membership we have addressed complex and difficult issues ranging from the certifying examination to recertification, and most recently globalization, modernization, and major changes in our profession and the world. I've been consistently impressed that in spite of our differences each and every one of us is completely committed to the good of the college. We care. I was not directly involved in the exam in 2001 when air travel ceased immediately before the test. Rental cars could not be had for love or money, and the various parts of the exam were still scattered across the US. In spite of seemingly unsurmountable challenges, through the dedication and persistence of individual members of our college, the exam happened. I don't know any other organization that would have been able to do it. It was a striking example of who we are as a college and as a community.

It’s not only that we work well together. We like each other. Even under pressure (and managing the certifying exam is nothing if not stressful), we not only work things out, but remain friends (mostly). In 2012 the strategic planning committee came up with an ambitious proposal to address challenges to the college and profession, some of which we had struggled with for years. Remarkably, in 2018, much of the plan is complete. Among other things, our college has achieved:

• Successful transition to a new 2-part exam format with greater transparency and equity.
• Institution of a life-long learning program that will ensure competency and meet current standards for continuing education.
• Overwhelming improvements in our annual meeting both in structure and scientific content.
• Stronger relationships with our Latin American, European, and Japanese counterparts as well as domestic organizations.
• Improved content, efficiency, and visibility of our journal.
• Increased development activity leading to new scholarships and programs.

I’ve probably left out a great deal, but it is clear that the energy, creativity, and commitment among individuals in this college are truly remarkable.

Like all of us, I am proud and humbled to be a part of this organization, and honored to have the opportunity to serve the college as part of our leadership. We have made remarkable progress, but challenges remain. A new strategic plan is in the works. The first Renewal of Certifications will occur in 2026, and the Maintenance of Certification Committee is working to ensure a smooth transition. The new examination format will require continued evaluation and update to ensure that it appropriately and fairly measures competency. Facing the veterinary profession as a whole, the high cost of a veterinary education challenges us to find improved ways to support students and residents so that they can afford to achieve their educational goals. And undoubtedly, new challenges will arise as the world changes around us. My vision for the future is that our greatest strength, and the one thing that we must maintain to be able to face these challenges, is our community. Times will change, but our support of each other, our love for our profession, respect for each other and our college, and the commitment, creativity, and energy of each one of us is what has brought us this far and will see us through.

Education:
1978  BA  Amherst College
1984  DVM  Tufts University
1990  PhD  The Ohio State University
1990  ACVP Board Certification

Professional Positions:
1984-1985  Veterinarian, New England Animal Medical Center, West Boylston, MA
1985-1986  Veterinarian, Monroe Veterinary Associates, Rochester, NY
1986-1988  Resident Trainee, Department of Veterinary Pathobiology, Ohio State University, Columbus, OH
1988-1990  Graduate Student, Department of Veterinary Pathobiology, Ohio State University, Columbus, OH
1990-1991  Postdoctoral Fellow, Department of Veterinary Pathobiology, Ohio State University, Columbus, OH
1991-1996  Assistant Professor, Department of Veterinary Pathobiology, Ohio State University, Columbus, OH
2000-2003  Consulting Pathologist, Veterinary Diagnostics, Columbus, OH
1996-2003  Associate Professor, Department of Veterinary Pathobiology, Ohio State University, Columbus, OH
2003-2010  Associate Professor, Unit for Laboratory Animal Medicine, University of Michigan Medical School, Ann Arbor, MI
2003-2010  Associate Professor, Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, MI
2010-present  Professor, Unit for Laboratory Animal Medicine, University of Michigan Medical School, Ann Arbor, MI
2010-present  Professor, Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, MI

Scientific Interests/Experience:
Since completing my PhD and residency I have been employed in academia. At Ohio State University I worked as a general pathologist teaching veterinary students and residents, and working mostly with domestic animals. At the University of Michigan I teach laboratory animal residents, medical students, and graduate students, and work in diagnostic pathology for laboratory animals. I established and direct the University of Michigan Germ-Free Mouse Core facility, and I do considerable collaborative research and consulting in the fields of gnotobiology and mouse pathology. My research interests are bacterial gastroenteritis, immune response of the gastrointestinal tract, and host/microbiota interactions in health and disease, as well as general gnotobiology. My current research is in the pathogenesis of enterhemorrhagic E. coli in a gnotobiotic mouse model of disease.

ACVP Activities:
1994  Co-Chair Gastroenterology Specialty Group, Annual Meeting
2003  Board Examination Committee, Proctor
2007  Session Chair, Annual Meeting Educational Session
2008-2013  Board Exam Committee, Member
2015  Board Exam Committee, Phase I Exam Transition
Vision Statement: The ACVP has the important and unique role of promoting excellence in veterinary pathology training, practice and research while advancing the public's knowledge of veterinary pathology and veterinary pathologists. Right now, we have the opportunity to push veterinary pathology to the cutting edge of science and medicine that will contribute to the betterment of animal and human health. Key elements of this push include determining the future practice of veterinary pathology in the context of digital pathology, artificial intelligence and molecular tools by envisioning and developing key strategic partnerships. The ACVP can expand the impact and influence of veterinary pathologists in science, medicine, and public policy. With our newly developed strategic plan, there are specific actions and key indicators that can help guide us in these aspirations.

Education: BA Political Philosophy, Michigan State University; BS Biology, University of New Mexico; MS Biology, University of New Mexico; DVM, Colorado State University; PhD, Veterinary Pathology, Washington State University; Clinical Pathology residency, Washington State University.

Professional Positions: Professor of Clinical Pathology and Dean, Carlson College of Veterinary Medicine (CCVM), Oregon State University (OSU); Associate Professor and Associate Dean for Student and Academic Affairs, CCVM, OSU; Assistant Professor, CCVM, OSU; Research Associate, Dept. of Veterinary Microbiology and Pathology, Washington State University (WSU); Resident, Clinical Pathology, Department of Veterinary Clinical Sciences WSU; Research Associate, Veterinary Diagnostic Services, State of New Mexico, Albuquerque, NM; Associate veterinarian, Adobe Animal Medical Center, Albuquerque, NM; Research associate, Dept. of Reproductive Endocrinology, School of Medicine, University of New Mexico, Albuquerque, NM.

Scientific Interests/Experience: Hematology and clinical chemistry, especially of camelids, infectious disease and immune responses, diagnostic cytology, innovative pedagogy and curriculum development.

ACVP Activities: Currently, fourth year Council member, ACVP. Past activities include: Member Certifying Examination Board (CEB), 2011-2014; Chair, Test Plan Working Group for CEB, 2011-2013; Member ACVP training program development task force, 2008-2010; Member, Role Delineation Task Force, 2007-2009; ASVCP Executive Committee, 2001-2006 (President ASVCP in 2004-2005); Chair, Clinical Pathology Specialty group, Program Committee, 2004; Member, ASVCP Program Committee, 2004-2013; Member ACVP Board Examination Committee, 2000-2005 (Chair of Clinical Pathology section in 2006); Member, ASVCP Education Committee, 2000-2003.

Council Candidates’ Bios: Secretary/Treasurer-Elect (2019)

Amy C. Durham, MS, VMD, DACVP

Education:
1997 Bachelor of Arts, Psychology; University of Virginia
2000 Master of Science, Neuroscience; Georgetown University
2005 Veterinariae Medicinae Doctoris, Cum Laude, University of Pennsylvania
2008 Residency in Veterinary Anatomic Pathology, University of Pennsylvania

Professional Positions
2010-2017 Assistant Professor, Department of Pathobiology, University of Pennsylvania
2017-present Associate Professor, Department of Pathobiology, University of Pennsylvania
2008-present Anatomic Pathology Residency Director, University of Pennsylvania
2015-present Faculty Director, Comparative Pathology Core, Abramson Cancer Center, University of Pennsylvania

Scientific Interests/Experience:
My daily efforts as an anatomic pathologist integrate the responsibilities of my position and provide the basis for my research focus, namely through: (1) teaching and training of veterinary students, interns, and residents; (2) participating in diagnostic pathology biopsy/autopsy services; (3) directing the Comparative Pathology Core; and (4) identifying, classifying, and investigating the subtypes of lymphoma in veterinary medicine.

My main didactic teaching efforts are as director and lecturer in the General and Systemic Pathology course, the largest core course at Penn Vet. I have also served as the anatomic pathology residency director since 2008 and mentored over a dozen pathology residents in this role. I have played an active role in our diagnostic pathology surgical biopsy and ocular pathology service for 10 years, which interprets 12,000 samples per year. I established and direct the Comparative Pathology Core (CPC), which serves to meet the demand for the expertise of veterinary pathologists in research using animal models. As an Abramson Cancer Center (ACC) Shared Resource with an outstanding rating by the NCI, the CPC supports over 100 researchers from across Penn’s campus, including the Medical School, Veterinary School, Engineering School, ACC, Wistar, and Children’s Hospital of Philadelphia (CHOP).

My research interests are in oncologic pathology with the main focus on lymphoma in domestic animals and application of the World Health Organization classification system to identify subtypes of lymphomas, correlate subtypes to clinical behavior and optimal treatment protocols, and explore personalized medicine-based therapies using Next Generation Sequencing technology. My secondary research focus is on mammary carcinoma through the Penn Vet Shelter Canine Mammary Tumor Program, including tumor-stromal interactions. I have authored/co-authored >40 journal publications and a book chapter (Bone Marrow, Blood Cells and the Lymphoid/Lymphatic System. In: Zachary, Pathologic Basis of Veterinary Disease, 6th ed.).

ACVP Activities:
Resident Training Committee Member 2008-2010
Training Program Committee Chair 2010-2015
Student Chapter Faculty Advisor 2010-present
Training Program Network (developed and coordinator) 2011-2015
Maintenance of Certification Committee (MOC) Chair 2015-present
Web Technology Task Force Member 2016-2017
Certifying Exam Board (MOC Liaison) 2017-present
Alicia K. Olivier, DVM, PhD, DACVP

Education:
BS, Biochemistry and Molecular Biology, Mississippi State University (2001); DVM, College of Veterinary Medicine, Mississippi State University (2005); Residency in Anatomic Pathology (2005-2010), Iowa State University; PhD, Veterinary Pathology, Iowa State University (2010); Diplomate, ACVP (Anatomic) (2009)

Professional Positions:
Associate Professor, Department of Pathobiology and Population Medicine, Mississippi State University (2014-2018); Assistant Professor, Department of Pathology, University of Iowa (2010-2014); Adjunct Instructor, Department of Veterinary Pathology, ISU (2005-2010)

Assistant Director, Mississippi State University Diagnostic Laboratory (2018-current); Faculty Director, Diagnostic Histology Laboratory, Department of Pathobiology and Population Medicine (2014-current); Director, Comparative Pathology Laboratory, Department of Pathology, University of Iowa (2010-2014)

Scientific Interests/Experience:
For the past four years I have been at the Mississippi State University College of Veterinary Medicine. I previously worked at the University of Iowa College of Medicine in comparative pathology primarily supporting research. In my current position, I enjoy the challenges of diagnostic service and the variety that every case brings. A significant portion of my time is spent teaching veterinary students and pathology residents, and is a large part of the reason I returned to MSU-CVM. Much of my research efforts are devoted to the study and phenotyping of animal models through gross and histopathologic examination, morphometric techniques and analysis, immunohistochemical development and interpretation. I participate in a variety of collaborative research projects, currently with an emphasis in influenza pathogenesis.

Anne Provencher, DVM, MSc, Diplomate ACVP (Clinical Pathology), Dipomate ECVP, Fellow IATP

Education:
DVM, 1985, University of Montreal (Canada)
IPSAV, 1989, (Clinical Pathology), University of Montreal (Canada)
Residency in Clinical Pathology, 1992-1994, Michigan State University (USA)
MSc, 1994, University of Montreal (Canada)
Diplomate ACVP (Clinical Pathology), 1999
Diplomate ECVP, 2007
Fellow IATP, 2010

Professional Positions:
Executive Director, Global Clinical Pathology, Charles River Laboratories (2011-present); Scientific Director, Clinical Pathology, Charles River Laboratories (2009-2011);
Senior Clinical Pathologist, Charles River Laboratories (2008-2009);
Group Head and Clinical Pathologist, Novartis Pharma (2003-2008);
Clinical Pathologist, Novartis Pharma (2002-2003);
Assistant professor, Clinical Pathology, University of Bern (2001-2002);
Specialist, Endocrinology Diagnostic Section, Michigan State University (1998-2001);
Assistant professor, Clinical Pathology, University of Bern (1994-1998);
Clinical Pathologist, Bio Research Laboratories (1990-1992);
Clinical Veterinarian, Bio Research Laboratories (1989-1990);

Scientific Interests/Experience:
Early on in my career, I chose clinical pathology for specialty as it gave me the opportunity to work with all species while focusing on disease pathogenesis. Life led me to explore different aspects of this great discipline and I had the chance to work in academia, diagnostic as well as in drug development. From those experiences, toxicological/ laboratory animals’ clinical pathology became my core expertise and has been for the past 16 years.

Scientifically, my main interest remains understanding the mechanisms of toxicities faced in drug development, in particular those related to hematotoxicity, including providing expert advice on specific issues/questions raised by health authorities related to hematotoxicity.
I also have an interest in digital pathology and it is apparent to me that the future of our profession will heavily rely on the acquisition and analysis of digital images. These images provide a convenient mechanism to share data and consult with expert colleagues over long distances in real-time. Likewise, virtual slides of tissues representing common and rare diseases can be shared with our younger colleagues, thus allowing them to study the tissue in detail as if they were looking at the glass, a vast improvement over photomicrographs. Digitized slides can also be evaluated using a form of artificial intelligence (AI) known as deep neural networks to help increase the speed and accuracy of histologic diagnoses. At Bluebird bio, we now routinely perform whole-slide digital scans and then use the digital images for diagnostic evaluation as well as for quantitative image analysis techniques. Digital pathology and AI are critical components of the plan being formulated by the Strategic Planning Task Force and as a Councilor, I would work with the Task Force to help implement their plan. It will also be important to educate the membership about the benefits of digital pathology and AI, and to provide continuing education opportunities to allow our colleagues to develop the requisite expertise. Armed with our deep understanding of pathophysiology, medicine and cutting-edge digital analysis techniques, veterinary pathologists will be positioned to have a profound influence on the direction of biomedical research in the near future.

I also enjoy sharing my passion for veterinary pathology with veterinary students and have taught sections of the General Pathology and Veterinary Immunology courses at Tufts University Cummings School of Veterinary Medicine for almost 20 years. During class, I joke with the students about convincing them to join me on the “dark side” of veterinary medicine. To this end, I established summer veterinary pathology internships at Amgen and now Bluebird bio to provide students an opportunity to do basic pathology research. It always surprises me that more of the students are not interested in veterinary pathology. Frankly, I think the ACVP can do a lot more to attract the best and brightest to our profession and as a Councilor, I would promote novel approaches to stimulate student excitement about veterinary pathology. For example, why not broadcast semi-monthly webinars to all veterinary schools, featuring engaging speakers who are immersed in timely topics of the day? Picture our expert colleagues discussing their experience in the Ebolavirus epidemic or describing their contribution to the discovery of a new cancer treatment or demonstrating cutting-edge artificial intelligence techniques to the students. For minimal cost, we could showcase the deep talent in our college and ignite the intellectual fires of our students.

My career has been largely devoted to studying T cell trafficking and activation. I am particularly interested in taking advantage of basic immunologic mechanisms to create effective immunotherapeutic medicines. Early in my biotech career, I studied the mechanism by which chemokines, chemokine receptors and adhesion molecules recruit T cells to chronically inflamed tissues in patients with autoimmune disease. More recently, I helped develop bispecific T cell engager (BiTE) molecules at Amgen. I also helped establish the mechanism of action of Amgen’s genetically engineered oncolytic virus T-Vect, currently being used to treat melanoma patients. Currently, I am participating in the design, testing and preclinical development of chimeric antigen receptor (CAR-T) and TCR-engineered T cells at Bluebird bio.

**Academic/Teaching/Scholarly Activities:**
- Adjunct Associate Professor, Tufts University Cummings School of Veterinary Medicine, 1999-present
  - Teach sections of General Pathology and Veterinary Immunology courses to first year veterinary students
- Amgen Summer Veterinary Pathology Internship Program, 2009-2014: Provided an opportunity for veterinary students with an interest in veterinary pathology to work in my discovery pathology lab for the summer.
- Bluebird bio Summer Veterinary Pathology Internship Program, 2017-present: Provide an opportunity for veterinary students with an interest in veterinary pathology to work in my discovery pathology lab for the summer.
- Author of 58 peer-reviewed publications
- Inventor, 11 US Patents
- Inventor, 12 EU Patents

**Scientific Interests/Experience:**
My career has been largely devoted to studying T cell trafficking and activation. I am particularly interested in taking advantage of basic immunologic mechanisms to create effective immunotherapeutic medicines. Early in my biotech career, I studied the mechanism by which chemokines, chemokine receptors and adhesion molecules recruit T cells to chronically inflamed tissues in patients with autoimmune disease. More recently, I helped develop bispecific T cell engager (BiTE) molecules at Amgen. I also helped establish the mechanism of action of Amgen’s genetically engineered oncolytic virus T-Vect, currently being used to treat melanoma patients. Currently, I am participating in the design, testing and preclinical development of chimeric antigen receptor (CAR-T) and TCR-engineered T cells at Bluebird bio.
Daniel G. Rudmann, DVM, PhD, DACVP, LSSBB

Education:
BA (Kenyon College-1988), DVM (Purdue University-1992), PhD (Purdue University-1997); Anatomic Pathology Residency (Indiana Animal Disease Diagnostic Laboratory-1995)

Professional Positions:
I have enjoyed individual contributor and leadership roles in Toxicologic Pathology in the Pharmaceutical Industry and Contract Research Organizations for over 20 years. These positions have taught me to work hard, lead and follow well, and the importance of being a thoughtful team player. I also learned the value of a continuous improvement mindset for the "what and how" of our science as pathologists. I would apply diligently these skills to my work with Council and the ACVP membership.

My early positions were at the bench for DuPont and Pharmacia and Upjohn (now Pfizer) working on drug development teams as an anatomic pathologist and toxicology study director. These multidisciplinary teams within a highly regulated industry provided a fantastic training ground for becoming a team player who can contribute both scientifically and operationally. I was thankful to have the opportunity to act as an Adjunct for The Ohio State University, Michigan State University and Purdue University soon after entering industry. The interaction with residents and faculty resulted in an excellent exchange of ideas and my own support of 3 graduate students and ACVP/STP fellows. My next decade plus at Eli Lilly and Co challenged my leadership and scientific development as I contributed to Lilly Research Laboratory’s Toxicology, Pathology, and Drug Discovery groups. Eli Lilly helped me learn the business of science through specialized training such as Lean Six Sigma (LSS) for which I became a certified Black Belt.

My family and I extended ourselves to an international experience with AstraZeneca in 2014-15 and will always value the learning that is gained from taking a risk personally and by engaging whole heartedly with the global scientific community. We returned to a leading technology image analysis company in Colorado (Flagship Biosciences), where I became a student once again and experienced the additional power our pathology data can have in both preclinical and clinical medicine. Presently at Charles River Laboratories, I am enjoying collaborating with a global pathology group that is 100+ strong. The diversity of experiences of these pathologists who come from all of our career sectors, academia, government and industry is wonderful and motivating.

Scientific Interests/Experience:
Immunopathology, Reproductive Pathology, Toxicologic Pathology, Digital Image Analysis and Artificial Intelligence/Machine Learning

ACVP Activities:
I am thankful for the opportunities ACVP has provided me to serve the college over the years and have enjoyed interacting with my ACVP colleagues in these efforts. I want to continue serving ACVP and its membership and believe a Councilor position will provide a wonderful opportunity to do so. My volunteer resume for ACVP to date is as follows: World Wide Web Committee Chair 1999-2000; Training Strategic Task Force 2001-2003; Intern Selection Committee, Member 2003-2006; International Alliances Committee, Member 2006-2008; Veterinary Pathology Journal Task Force 2009-2010; ACVP/STP Coalition for Veterinary Pathology Fellows, Member 2004-2009; ACVP Exam Committee 2006 (Proctor), 2011-14 (Committee); 2014 General Exam Committee Chair; and Certifying Exam Board (CEB) member 2016-present.

Mission:
The American College of Veterinary Pathologists fosters excellence in veterinary pathology to protect and improve animal, human, and environmental health to benefit society.

Vision:
To be an innovative and integral contributor to global health solutions by understanding disease.
The Mid-Career Excellence Award was established in 2012 to recognize and reward outstanding ACVP Diplomates in the middle phase of their careers who have made exceptional contributions to the veterinary pathology profession. This year, three awards will be given: one for excellence in research, one in education, and one in diagnostics, with the common theme among all being leadership. The Awards will be granted annually and include a financial gift of $1,000 intended to further scholarly and mentoring goals of the individual and the ACVP.

To be considered, candidates must be active ACVP Members in good standing and near the mid-point of their careers, generally within 10 to 20 years of achieving Diplomate status. Nominations must be submitted by an active or emeritus ACVP member other than the nominee. Award winners will be announced at the annual meeting of the ACVP.

The nomination packet must include:

1. External Letter of Nomination. The letter of nomination should clearly highlight career accomplishments that substantiate the exceptional contributions and leadership qualities of the nominee.

2. Letters of Recommendation. Two additional letters of recommendation from active or emeritus ACVP Members, one of whom is affiliated with an institution separate from that of the nominee, should be provided to further document candidate activities and accomplishments.

3. Curriculum Vitae. The curriculum vitae of each nominee should include all relevant professional achievements, including publications, leadership roles, awards, and other achievements.

4. Nominee Self-statement. The self-statement prepared by the nominee should be focused on future career plans and goals within the veterinary pathology profession.

The completed nomination packet must be received by the ACVP Executive Offices by September 1st, 2018.

For more information, contact Amy Overby, ACVP Executive Director, 608-443-2466, ext. 149 or aoverby@acvp.org
FALLS CHURCH, VA — When it’s time for your pet to get a routine checkup, you visit a local veterinarian for an exam. If the vet suspects a possibly serious medical situation – like a lump on your dog's leg – blood work may be ordered or a mass surgically removed and sent to a lab. Your vet later receives the results from a veterinary pathologist, who specializes in identifying diseases in animal tissues and body fluids.

“It’s difficult for pet owners and military working dog handlers because their companion animal can’t tell them what’s wrong,” said Col. Derron ‘Tony’ Alves, DVM and DACVP, who is a U.S. Army veterinary pathologist. “That’s where I come in. Our diagnosis adds to the clinical plan and may affect treatment options.”

Alves’ first introduction to military veterinary medicine came in the eighth grade as a Red Cross volunteer at Langley Air Force Base, Virginia. He knew he wanted to grow up and be like the Army veterinarian who showed him around the installation’s clinic. Later, in veterinary medical school, Alves decided to further his training by specializing in veterinary pathology, where he looks through a microscope to determine what disease or condition an animal has – or did have, while living.

Alves currently serves as director for the Department of Defense Veterinary Pathology Residency Program, within the Defense Health Agency’s Joint Pathology Center. Initially established under the Armed Forces Institute of Pathology in 1949, this department is the only veterinary specialty among 20 “human” pathology sub-specialties. And, it’s the only place in the DoD that trains Army veterinarians to become veterinary pathologists through a three-year, postdoctoral residency training program and consultation service.

“The residency program runs a diagnostic service for animals in the DoD, for service members’ pets, and handles all military working dog specimens from across the globe,” said Alves.

Once residents graduate and become board-certified by the American College of Veterinary Pathologists, Alves says they go on to directly support military-relevant medical research at a DoD research institute.

According to Alves, veterinary pathologists “see anything and everything” – including specimens surgically removed following diagnostic procedures, such as ultrasound or radiographs. They also analyze tissue taken from autopsies. Like a human hospital, the diagnostic process includes collecting information, discussing the animal patient cases, making a final conclusion based on microscopic examination of tissue, and delivering a diagnosis to the clinical veterinarian.

“Skin biopsies are the most routine samples sent for analysis,” Alves said. “Pet owners and military working dog handlers commonly see and feel lesions while petting their animal.”

Since 75 percent of significant emerging diseases impacting humans originate in animals, Alves says veterinary pathologists are uniquely trained and familiar with disease in tissues, along with how they are transmitted. Being wellversed in animal health also directly supports military research initiatives for human health.

“If there is a drug or vaccine in development,” said Alves, “it’s tested on an animal model before humans to determine whether there could be issues with it, or if it needs to be administered differently. If there are adverse reactions, that particular drug or vaccine won’t be considered for clinical trials in humans.”

Alves says studying the effects of Anthrax, Ebola, sarin gas, or mustard gas in animal tissues helps inform veterinary pathologists about disease processes and makes them a valuable resource.

“Military veterinary pathologists work on some of the most highly infectious and dangerous agents in the world,” said Alves. “Some agents link to national security interests, or support warfare countermeasures development.”

Alves is proud to serve in what he calls a very specialized and important niche of the DoD.

“We don’t know what we’re going to get until we look in a microscope,” said Alves. “I really enjoy that part of the job, including leading the next generation of military veterinary pathologists. I like helping them put the puzzle together.”
Thank you to everyone who participated in the recent newsletter survey!

Your feedback provided helpful insights, which can help shape the direction of the newsletter moving forward. In summary, there was strong support for the following:

* Case of the Quarter
* Highlighted Members
* Clinical Pathology Corner
* Links to relevant meetings and publications

You will notice the addition of one or more of these features each quarter.

It was also apparent that members are unaware of how to submit newsletter content and how to find archived issues. Instructions for each are detailed below.

To submit content or notify the Executive Office that a Diplomate has passed away, email Amy Overby at aoverby@reesgroupinc.com.

To submit content for your Member Profile or recommend a colleague for a Member Profile, use this form: [http://www.acvp.org/default.asp?page=member_profile_form](http://www.acvp.org/default.asp?page=member_profile_form)

To view the new Remembering Diplomates page and submit your memories and stories about colleagues, see [http://www.acvp.org/?page=College_Archive/RememberingDiplomates](http://www.acvp.org/?page=College_Archive/RememberingDiplomates)

To find archived issues of the newsletters, see the secure Members Only portal of the ACVP website: [http://www.acvp.org/?page=Newsletter](http://www.acvp.org/?page=Newsletter)

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Final Print ACVP Newsletter

Please note that this is the final print version of the ACVP newsletter. As a result of member feedback, and to encourage readership and modernize delivery, the ACVP newsletter will be moving to an all-digital format beginning with the September 2018 issue. The electronic newsletter will be delivered via group email with most of the content available on the ACVP website.
ACVP-Intersociety Experimental Pathology Committee (IEPC) Symposium at Experimental Biology 2018

Topic: Vector-Borne Diseases: Bridging Scale

Co-Chairs: A. Sally Davis, DVM, PhD
Nicole Gottdenker, DVM, PhD, DACVP

The annual ACVP-IEPC Symposium was held at Experimental Biology 2018 in San Diego, CA, on Tuesday, April 24, 8:30 a.m.-11:30 a.m. Forty-three individuals attended and provided positive feedback on the symposium theme and speakers.

2018 Speakers:

Lieza Odendaal, BVSc, BVSc (Hons), MSc (Vet Sc)
Lecturer, Department of Paraclinical Sciences, Veterinary Faculty, University of Pretoria, South Africa
“Tissue and Cellular Tropism of Rift Valley Fever Virus in Sheep”

Barbara Drolet, PhD
Research Microbiologist at the Arthropod Borne Animal Disease Research Unit, Agricultural Research Service, USDA, Manhattan, KS
“Virus-Vector-Host Interactions in Vector-Borne Diseases”

Nicole Gottdenker, DVM, MS, PhD, DACVP
Associate Professor Anatomic Pathology, Department of Pathology, University of Georgia College of Veterinary Medicine
“Chagas Disease Transmission in Fragmented Forest Landscapes”

Courtney Murdock, MS, PhD
Assistant Professor with a joint appointment in the Odum School of Ecology and the Infectious Disease Department, University of Georgia College of Veterinary Medicine
“Experimental Approaches to Studying Impacts of Global Climate Change on Mosquito-Borne Disease Transmission”

Mark your calendars for the 2019 Symposium to be held Monday, April 8, 2:00 p.m.-5:00 p.m., in Orlando, Florida!

Topic: Nontraditional Laboratory Animal Models for Neuropathology

Co-Chairs: A. Sally Davis, DVM, PhD
Nora Springer DVM, PhD, DACVP
Update from the editors of *Veterinary Pathology*

1. **Full-issue downloads**
   It is now possible to download full issues of *Veterinary Pathology*. This has been a popular request over the years, particularly from those preparing for the certifying exam. A full-issue pdf can be downloaded from the Table of Contents page for each issue since January 2018 (for example: [http://journals.sagepub.com/toc/vetb/55/2](http://journals.sagepub.com/toc/vetb/55/2)). Simply click the button “This PDF Issue.” Be aware of the large size of the downloaded file. Happy reading to all.

2. **ORCID unique author identifier**
   ORCID is now part of the submission process for *Veterinary Pathology*. ORCID ([https://orcid.org](https://orcid.org)) is a non-profit organization providing a system for unique digital identification of authors. It is useful for distinguishing your publications from those of other authors with the same name, and can also be used to link publications, sources of funding, and other professional activities.

3. **Publons for validation of peer review activities**
   Publons is now integrated into the *Veterinary Pathology* system of peer review. Publons ([https://publons.com/home/](https://publons.com/home/)) is a system by which you can record and validate your efforts as a peer reviewer. This may be useful, for example, for academic pathologists in documenting these activities for tenure and promotion applications.

4. **Open access to Supplemental Materials**
   On the horizon: Soon, information published as Supplemental Materials will be available on Figshare, an open repository of research data. Authors can cite this data by using the DOI. This initiative is expected to improve the discoverability of supplemental data and support the visualization of this data online. *Veterinary Pathology* strongly encourages authors to make raw data available (such as large tables of individual-animal raw data, for example: [http://journals.sagepub.com/doi/suppl/10.1177/0300985817707005](http://journals.sagepub.com/doi/suppl/10.1177/0300985817707005)). This promotes full confidence in the findings, allows further consideration of relationships among the data, provides reference information that may be useful for future studies, and supports a move toward openness and transparency in communication of scientific data.

5. **Information for authors and reviewers**
   As always, information for authors and reviewers is available on the *Veterinary Pathology* website:
   a. Instructions to Authors: [http://journals.sagepub.com/pb-assets/cmscontent/VET/Veterinary%20Pathology-Instructions%20to%20Authors%202018-04-11.pdf](http://journals.sagepub.com/pb-assets/cmscontent/VET/Veterinary%20Pathology-Instructions%20to%20Authors%202018-04-11.pdf)
   c. Tips from the photo editors: [http://journals.sagepub.com/pb-assets/cmscontent/VET/VETPhotoediting2016.pdf](http://journals.sagepub.com/pb-assets/cmscontent/VET/VETPhotoediting2016.pdf)
   d. Advice for reviewers: [http://journals.sagepub.com/pb-assets/cmscontent/VET/AdviceonhowtoreviewmanuscriptsforVET.pdf](http://journals.sagepub.com/pb-assets/cmscontent/VET/AdviceonhowtoreviewmanuscriptsforVET.pdf)

**Questions and comments?** Contact Jeff Caswell, jcaswell@uoguelph.ca
Dr. Michael Lairmore, dean of the University of California-Davis School of Veterinary Medicine, was named president-elect of the Association of American Veterinary Medical Colleges (AAVMC) following an intra-organizational election held in late January. Lairmore, board certified by both the American College of Veterinary Pathologists (ACVP) and American College of Veterinary Microbiologists (ACVM), has served as dean at California since 2011. He is a member of the National Academy of Medicine.

Dr. Susan Tornquist, dean of the Carlson College of Veterinary Medicine at Oregon State University, was elected to serve a second term on the AAVMC Board of Directors as an At-Large Representing Region I (US).

Dr. Patricia Pesavento, professor, Department of Pathology, Microbiology and Immunology, at the University of California-Davis School of Veterinary Medicine received an Academic Senate Award for Distinguished Teaching.

Dr. Elizabeth (Buffy) Howerth received the 2018 Distinguished Alumni Award from Michigan State University.

2018 ACVP Award for Excellence in Pathology – ACVP Student Chapters

The American College of Veterinary Pathologists provided an ACVP-sponsored award at all AVMA-accredited schools within North America with an active ACVP Student Chapter. The purpose of the award is to acknowledge an outstanding fourth-year veterinary student who has demonstrated exceptional proficiency and interest in anatomic and/or clinical pathology. The award includes a Certificate of Recognition that can be linked to a pre-existing pathology-related monetary award at the university or can be awarded separately. Certificates are presented at the annual awards ceremonies at each institution. Congratulations to the following fourth-year veterinary students who received the 2018 ACVP Award for Excellence in Pathology.

| Emily Hipp | Auburn University, CVM |
| Elizabeth Goldsmith | Colorado State University, CVM |
| Jordan Ford | Cornell University, CVM |
| Jessica Elbert | Iowa State University, CVM |
| Annie Bauman | Louisiana State University, SVM |
| Samantha Darling | Michigan State University, CVM |
| Marissa Blomstrand | Mississippi State University, CVM |
| Morgan Movius | Oregon State University, CVM |
| Melissa Swan | Purdue University, CVM |
| Chloe Goodwin | Texas A&M University, CVM |
| Marisa Maglaty | The Ohio State University, CVM |
| Thomas James Bunn | The Royal Veterinary College, UK |
| Gile Siddons | Tufts University, CVM |
| A. Troy Mulder | Tuskegee University, CVM |
| Mohamed Issam Atmane | Université de Montréal, Faculté de Médecine Vétérinaire |
| Hannah Laurence | University of California-Davis, SVM |
| Mackenzie Long | University of Georgia, CVM |
| Beth MacMillan | University of Guelph, Ontario Veterinary College |
| Sara Obeiter | University of Minnesota, CVM |
| Brett Havis | University of Missouri, CVM |
| Talia Wong | University of Pennsylvania, SVM |
| Veronique Dufour | University of Prince Edward Island, Atlantic CVM |
| Elaine Wu | University of Saskatchewan, Western CVM |
| Jenny Howard | University of Tennessee, CVM |
| Melanie Iverson | University of Wisconsin-Madison, SVM |
| Alex Aceino | Western University of Health Sciences, CVM |
The ACZM is saddened to announce the passing of Dr. Richard (Dick) J. Montali, a great friend and colleague to many in the profession. Dick was a significant contributor to the field of zoo and wildlife medicine for over 4 decades. He was one of eight Charter Diplomates of the ACZM, recognized for his contributions to the pathology of non-domestic species in the early years of our specialty. He helped shape and build a strong foundation for the College in its formative years.

His initial pathology training was at Johns Hopkins School of Medicine – Dept. of Comparative Medicine, providing him with excellent training and early exposure to the “One Medicine concept” with studies in human, veterinary and zoological pathology. He worked tirelessly throughout his career to break down barriers between clinical medicine and pathology and make them a continuum, with both benefiting from his efforts.

Dick was truly one of the founders of modern investigative zoological pathology. He authored over 200 peer reviewed papers and proceeding publications, many of which were seminal in nature. He was internationally recognized for his highly collaborative work. His investigations and publications spanned broad areas from mycobacteriosis affecting all vertebrate groups, to canine distemper virus and vaccine strategies in carnivores, to disease agents affecting individual species or genera such as Callitrichid hepatitis virus and elephant endotheliotropic herpesvirus. He documented and catalogued the pathology and health issues in many iconic, as well as lesser known species, including elephants, rhinos, giant pandas, red pandas, lion tamarins, maned wolves, black footed ferrets, tree kangaroos, tiger quoll, Bali mynah, cuttlefish, and many others.

Dr. Dick Montali made a tremendous and long-standing impact on zoological medicine through all of the young pathologists and clinicians he mentored and trained. He trained at least 13 pathology residents at the National Zoo, many of which are working at major zoological institutions or are still involved in some way with zoo and wildlife pathology and disease investigations. He also was involved in the training of over 65 pathologists at the Armed Forces Institute of Pathology, as well as countless veterinary students. He instilled in many clinical veterinarians the importance of pathology being done correctly. Dick was heavily involved with the C.L. Davis Foundation for the Advancement of Veterinary Pathology which brought a very interesting, and always well attended, pathology case presentation workshop to the annual AAZV annual conference for both pathologists and clinicians.

Dick has been honored by his zoological and pathology colleagues over the years, receiving the AAZV Emil P. Dolensek Award in 1999, the ACVP Distinguished Member Award in 2010, and the ACZM Murray Fowler Lifetime Achievement Award in 2015.
Obituaries

Henry Wayne Taylor, DVM, PhD, DACVP

Dr. Henry Wayne Taylor, 74, a resident of Dothan, died Monday, February 5, 2018 at Extendicare Health Facility following a brief illness. A Celebration of Life memorial service will be held at 4:30 p.m. Friday, February 9, 2018 at Glover Funeral Home Chapel with Pastor Troy West and Rev. Kevin Kelly speaking and Kendall Glover directing. The family will receive friends from 3:30 until 4:15 p.m. prior to the services. In lieu of flowers the family requests contributions be made to Wiregrass Humane Society, P O Box 1045, Dothan, AL 36302. Dr. Taylor was born March 4, 1943 in Elba, Alabama where he lived the early years of his life. He was a 1961 graduate of Elba High School and later received his Doctor of Veterinary Medicine degree in 1967 from Auburn University. He also earned a PhD in Comparative Pathology at the University of Missouri in 1972. He became a Diplomat of the American College of Veterinary Pathology in 1975. Dr. Taylor was part of the inaugural faculty at the LSU College of Veterinary Medicine where he served as Professor of Pathology for almost 30 years. In 2005, he retired and moved to Dothan. He was preceded in death by his parents, Henry Eskar and Addie Lou Morgan Taylor. Survivors include: wife of 50 years, Gail W. Taylor, Dothan; a son, LTC (U.S. Army) Brett Taylor, Germany; two sisters, Shirley Nelson, Dothan and Jennifer Napier, (Ken) Dothan; a grandson, William Taylor and his mother, Stacy Taylor, Frederick, MD; a special aunt, Louise Moon, Dothan; a special cousin, Marion Morrow, Dothan; numerous friends and extended relatives and a special yorkie, “Crickett.” Glover Funeral Home of Dothan has been entrusted with the arrangements. (334) 699-3888. Please sign the guestbook on line at www.gloverfuneral.com.

Tributes to Dr. Taylor

Undoubtedly, Dr. Wayne Taylor was one of the best teachers I had in my entire educational career! Although my focus shifted to oncology during my clinical year of veterinary school, I spent the majority of my pre-clinical years preparing to become a pathologist because of his influence. His enthusiasm, passion, and teaching style made pathology make sense in a way that I understood the subject material rather than memorized (and later forgot) it. Now that I am a veterinary educator myself, I strive to emulate Dr. Taylor’s style, in hope that I can instill at least some of the same excitement and confidence in my students. It was an honor to call Dr. Taylor a professor and mentor, and I am eternally grateful for the impact he had on me.

--Corey Saba, DVM, DACVIM (Oncology), LSU ‘02

Wayne Taylor was more than a gifted mentor and pathologist: He was a friend. While I remain forever indebted for all that he taught me, I am equally thankful that we had the chance to share a beer and occasionally wet a fishing line. It didn’t matter if the fish weren’t biting and the weather was terrible. It was a pleasure to be in Wayne’s company. He gave much of himself to his residents and students. He was patient, practical, encouraging, respectful, and kind. Beyond the knowledge he so generously shared, two additional things stand out in my mind for which I have the greatest respect. He needed no script or gimmicks to teach; he could still use a blackboard and command the attention of a room of vet students by his enthusiasm alone. Wayne also loved to laugh, and I believe more than anything loved to laugh at himself. I owe him much.

--Al Camus, DVM, PhD, LSU ’84

Wendy J. Coe Memorial Scholarship Fund Update

Thank you to everyone who contributed more than $14,000 in honor of Wendy Coe, ACVP’s Executive Director from 2005 until her passing in late December 2016. Wendy was a strong advocate for residents to attend the annual meeting. As a result, distributions from the Wendy J. Coe Memorial Scholarship will support existing annual meeting travel awards.

To make a gift to Wendy’s Fund, or other ACVP programs, sign in to the Members Only portal of the ACVP website www.acvp.org.

New Emeritus Members: January-May 2018

On behalf of Council and your colleagues, congratulations and best wishes to the following ACVP members on your retirement from careers in veterinary pathology! We are grateful for your service to our profession.

Neil Allison
Lawrence Arp
Holly Bender
William Brinkley
David Fairchild
Diane Gunson
Bradley Hamilton
Sylvia Hsau-Tame Liu
Michael Jokinen
Roy Kerlin
James MacLachlan
Nabeel Mehdi
Jerome Nietfeld
Bruce Parry
William Quinn
James Richardson
Trenton Schoeb
Elizabeth Welles
Joseph Zinkl
Call for Neuropath Mystery Slide Case Submissions

The Muscle Pathology session chairs are pleased to entertain submissions for the Muscle Mystery Slide Session, an evening of case presentations focused on natural and experimentally induced diseases of muscle that are observed in animals. Cases considered may highlight unique disease presentations, classic entities, or even true mysteries.

Oral case presentations will be approximately 10 minutes, with five minutes for questions/discussion. Any interested parties, including clinicians, pathologists, residents, and research scientists are encouraged to submit cases.

For each case, please submit:

1. Three H&E-stained, covered, slides of photographic quality.
2. A Microsoft Word or pdf document with signalment page, containing a brief pertinent history, laboratory diagnostics, gross description, and any gross photos.
3. A brief summary of the diagnosis and case relevance for the session chairs.
4. If accepted for presentation, a separate page with an enhanced microscopic description, diagnosis, discussion, and brief reference list (if applicable) will be required.

Please send slides and case information to:

Dr. Diane Shelton  
Comparative Neuromuscular Laboratory  
9500 Gilman Dr.  
Biomedical Sciences Bldg. Room 2095  
La Jolla, CA 92093-0709

Any questions? Contact Diane at gshelton@ucsd.edu or 858-534-1537.

The case submission deadline is Wednesday, August 1, 2018.

If a submission is accepted the individual must be available to present on the evening of Monday, November 5, 2018, from 7:00 p.m. to 9:00 p.m.

We are looking forward to an exciting workshop and hope to see you in Washington, DC!

Call for Muscle Pathology Mystery Slide Case Submissions for the 2018 ACVP Annual Meeting

Do you have a great neuropathology case that you would like to share with your colleagues? A tricky case that you want discussion on? Send your submissions to session chair Dr. Andrew D. Miller at adm10@cornell.edu, with the subject line “(Your name) NPMS Case Submission” and attach the following:

- A single PDF document consisting of a brief summary of the case including your name, institution, and contact information, plus a short history, signalment, summary of representative gross and microscopic findings, any additional supporting data, and no more than five good quality images (histo +/- gross) that are representative of the lesion. As always, true “unsolved mysteries” are highly encouraged!

Please remember that if your case is chosen, the submitter (or designated alternate, preferably a resident) must be able to present at the ACVP Annual Meeting in Washington, DC, and you must be able to provide 100 high-quality, H&E stained slides in which the lesion is well represented. **Exceptions to this may be made at the Chair’s discretion for particularly compelling cases that can’t yield 100 slides. If this is the case, a digital format may be acceptable, but we will still need approximately six slides for scanning, archiving, and panelist distribution.

Deadline for submissions is August 15, 2018!  
Decisions on cases chosen for the session will be made no later than September 15.
2018 Primate Pathology Pre-Meeting Workshop: November 3, 2018

**Important Non-Human Primate Viral Pathogens Call for Short Case Submissions**

The Primate Pathology Workshop Committee is pleased to announce the 2018 Primate Pathology Pre-Meeting Workshop associated with the concurrent Annual Meetings of the ACVP and ASVCP.

The theme of this year’s workshop is Important Non-Human Primate Viral Pathogens. The first focus will be on addressing established viral pathogens in primate colonies. Invited speakers will address simian herpesviruses as well as an array of other endemic viruses that are often ignored but that can affect research/study outcomes by immunomodulatory or other means. The second focus of the workshop will be on Emerging Viral Pathogens in primates. Invited speakers will address Ebolavirus among others.

In addition to presentations by invited speakers, there will be “mystery” NHP case presentations from workshop attendees in the afternoon. Case material with a focus on viral disease is encouraged, but material can be from any interesting, unique, or classic primate disease. Oral case presentations will be 10-12 minutes with 3-5 minutes for questions/discussion. Any interested parties, including clinicians, pathologists, and research scientists, are encouraged to submit cases.

For each case, please submit:

- A single H&E-stained, coverslipped slide, which will be scanned, OR a CD/USB stick with an Aperio scan of the glass slide.
- A Microsoft Word document with signalment page, containing a brief pertinent history, laboratory diagnostics, gross description, and possibly gross photos.
- On a separate page, the microscopic description, diagnosis, discussion, and brief reference list (if applicable).

Please send slides and case information to boulineautoxpath@gmail.com and/or:

**Dr. Theresa Boulineau**
65 Mounthaven Drive
Livingston, NJ, 07039 USA

Any questions? Contact Theresa at boulineautoxpath@gmail.com or (973) 396-7843.

The case submission deadline is August 15, 2018.

All submitters must be available to present on the afternoon of November 3, 2018.

We are looking forward to another exciting workshop and hope to see you in Washington, DC!

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**Phase I Exam Summary**

The 2018 Phase I Examination was administered to a total of 140 candidates at 68 testing centers in 9 countries on March 15, 2018. The examination consisted of 100 Multiple Choice test items. 115/140 candidates passed the examination, a pass rate of 82%. This result is consistent with previous Phase I examinations: 81% of candidates sitting the exam passed the 2017 exam, 82% passed in 2016, and 86% passed in 2015. Of the 140 Phase I candidates, the 121 “new” candidates had a pass rate of 84%, and the 19 “repeat” candidates (one or more previous attempts) had a pass rate of 68%. The cut score or passing point was set at 64 points based on a standard setting study conducted in 2017 coupled with the psychometric analysis of actual candidate performance on the 2018 Phase I examination. The 64-point cut score will be in effect for future Phase I examinations until another standard setting study is conducted.
Friday, November 2, 2018

5:00 p.m.-8:00 p.m.
Speaker Ready Room Open

6:00 p.m.-8:00 p.m.
Registration Open

Saturday, November 3, 2018

7:00 a.m.-7:30 p.m.
Registration and Information Desk

7:00 a.m.-6:00 p.m.
Speaker Ready Room

8:00 a.m.-5:00 p.m. (available at an additional fee)
ACVP Pre-Meeting Workshop
Primate Pathology: Important Non-Human Primate Viral Pathogens
Session Chairs:
Theresa Boulineau, DVM, MS, DACVP, Boehringer Ingelheim Pharmaceuticals, Inc. Ridgefield, CT
Karyn Colman, BVetMed, DACVP, Novartis Institutes for BioMedical Research, East Hanover, NJ

The theme of this year’s workshop is Important Non-Human Primate Viral Pathogens. The first focus will be on addressing established viral pathogens in primate colonies. Invited speakers will address simian herpesviruses as well as an array of other endemic viruses that are often ignored but that can affect research/study outcomes by immunomodulatory or other means. The second focus of the workshop will be on Emerging Viral Pathogens in primates. Invited speakers will address Ebolavirus among others.

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8:00 a.m.-5:00 p.m. (available at an additional fee)
ASVCP Pre-Meeting Workshop
Clinical Pathology of Exotics
Session Chair: Nicole Rosen, MT (ASCP), Purdue University, West Lafayette, IN

8:00 a.m.-5:00 p.m.
C.L. Davis-Thompson Foundation Pre-Meeting Workshop
Endocrine Pathology
Session Chairs: Bruce H. Williams, DVM, DACVP, Joint Pathology Center, Silver Spring, MD
Jennifer L. Chapman, DVM, DACVP, Defense Health Agency, Falls Church, VA

In this workshop, Dr. Don Meuten will provide a review of lesions, pathogenesis and clinical pathology associated with diseases of the endocrine system. Emphasis will be on common endocrinopathies, primarily in dogs and cats, but with a comparison to similarities and differences in other species. Gross, microscopic, cytology and lab data will be presented. Topics will include parathyroid and calcium disorders, disorders of the thyroid gland, adrenal gland, pituitary gland, and endocrine pancreas. This exciting course should be of interest to veterinary pathologists, pathology residents, and diagnosticians.
Sunday, November 4, 2018

7:00 a.m.-5:00 p.m.
Registration and Information Desk

7:00 a.m.-6:00 p.m.
Speaker Ready Room

8:00 a.m.-12:00 noon
ASVCP Current Topics in Clinical Pathology:
Clinical Immunology
Session Chair: Kristina Meichner, DVM, DECVIM-CA, DACVP,
University of Georgia, Athens, GA

8:00 a.m.-8:50 a.m.
Diagnostic Criteria for Immune-Mediated Hemolytic Anemia: Laying the Ground Rules, or Opening Pandora's Box?
Oliver Angus Garden, BVetMed, PhD, DACVIM (SAIM), DECVIM-CA, University of Pennsylvania, Philadelphia, PA

8:50 a.m.-9:40 a.m.
What is the Evidence for the Use of Commonly Used Diagnostic Tests for IMHA and How Are They Most Optimally Performed?
Amy MacNeill, DVM, PhD, DACVP (clinical), Colorado State University, Ft. Collins, CO

9:40 a.m.-10:10 a.m.
Refreshment Break

10:10 a.m.-11:00 a.m.
A Veterinary Pathologist and a Social Worker Share an Uber: What Happens Next?
Sandra Brackenridge, PhD, MSSW, Center for Veterinary Specialty and Emergency Care, Lewisville TX

11:00 a.m.-12:00 noon
Roundtable Discussion
Does Veterinary Medicine Have a Mental Health Crisis?
Sandra Brackenridge, PhD, MSSW
Tracy Gluckman MS, DVM, DACLAM
Linda Lord, DVM, PhD
Elizabeth Strand PhD, MSSW

8:00 a.m.-12:00 noon
Concurrent Session I:
Pathology Beyond Borders: Global Engagement
Session Chairs:
Sarah M. Corner, DVM, MS, DACVP, Michigan State University,
East Lansing, MI
Derron A. Alves, DVM, DACVP, U.S. Army Veterinary Corps,
Silver Spring, MD

In 2016, the GHPN held a mini-symposium outlining the creation of the Global Health Pathology Network and describing the nature of potential international endeavors that veterinary pathologists could pursue. Now, in 2018, the GHPN would like to expand on the earlier program and more specifically detail ways in which veterinary pathologists could interact with colleagues and programs in-country or via remote technologies such as telepathology. Part 1 of this session will focus on important transboundary animal diseases and disease reporting, and Part 2 will cover the use of telepathology to connect and partner with developing nations.

8:00 a.m.-8:10 a.m.
Introduction and Update on GHPN
Derron A. Alves, DVM, DACVP

8:10 a.m.-8:50 a.m.
Pathogenesis of Selected Transboundary Animal Diseases
Corrie Brown, DVM, PhD, DACVP, University of Georgia, Athens, GA
8:50 a.m.-9:30 a.m.
Reporting Transboundary Diseases
Aaron D. Lehmkuhl, DVM, MS, DACVP, National Veterinary Services Laboratories, Ames, IA

9:30 a.m.-9:40 a.m.
Questions and Discussion

9:40 a.m.-10:10 a.m.
Refreshment Break

Part 2: Those who have created learning programs for colleagues in developing nations will share their ideas and platforms, including what works and what doesn’t in this format.

10:10 a.m.-11:00 a.m.
Challenges and Opportunities in Global Veterinary Telepathology: Real World Experiences
Dalen Agnew, DVM, PhD, DACVP, Michigan State University, Lansing, MI

11:00 a.m.-11:50 a.m.
Innovation Through Partnerships and Technology in Pathology
Danny A. Milner, Jr., MD, MSc (Epi), FASCP, FASTMH, American Society for Clinical Pathology, Chicago, IL

11:50 a.m.-12:00 noon
Questions and Discussion

8:00 a.m.-12:00 noon
Industrial and Toxicologic Pathology Focused Scientific Session I
Session Chair: Janardhan Kyathanahalli, BVSc, MVSc, PhD, DACVP, Integrated Laboratory Systems, Research Triangle Park, NC

Invited Speakers
Immunotoxicity Evaluation: Approaches and Challenges
Gopinath Palanisamy, BVSc, MS, PhD, DACVP, Genentech, South San Francisco, CA

Histopathological Evaluation for Immunotoxicity
Cynthia Willard-Mack, VMD, PhD, Envigo, East Millstone, NJ

8:00 a.m.-12:00 noon
Natural Disease Focused Scientific Session I
Session Chair: Daniel R. Rissi, DVM, PhD, DACVP, University of Georgia, Athens, GA

Invited Speakers
Interdisciplinary Insights on the New World Origin of Canine Distemper
Elizabeth Uhl, DVM, PhD, DACVP, University of Georgia, Athens, GA

Toxic Plants of Livestock: Case Studies and Diagnostic Workup
Leslie W. Woods, DVM, PhD, DACVP, University of California, Davis, CA

9:00 a.m.-5:00 p.m.
Career Center

9:30 a.m.-4:30 p.m.
Focused Scientific Poster Session
Exhibits Open

12:00 p.m.-1:30 p.m.
Lunch Break (on your own)

12:15 p.m.-1:15 p.m.
Emerging Disease Focus Seminar
Session Chair: Schantel A. Bouknight, DVM, PhD, DACVP, Charles River Laboratories, Durham, NC

12:15 p.m.-1:15 p.m.
Veterinary Pathology Resident/Trainee Luncheon

1:30 p.m.-5:00 p.m.
ASVCP Veterinary Laboratory Professionals Session I
Session Chair: Nicole Rosen, MT (ASCP), Purdue University, West Lafayette, IN

1:30 p.m.-5:00 p.m.
Mini-Symposium I:
Leadership Development: Involve and Evolve
Session Chairs: Barbara Davis, VMD, PhD, DACVP, Innogenics, Harvard, MA
R. Mark Simpson, DVM, PhD, DACVP, National Cancer Institute, Bethesda, MD

What is leadership?
Leadership can be hard to define and it means different things to different people, but there are some characteristics that appear common to the best leaders. Foremost, leaders help themselves and others do the right things. They set directions, build an inspiring vision and create something new. Leadership is about mapping out where you need to go to win as a team or organization and communicating the vision and future. Leadership is dynamic, exciting and inspiring. Effective leaders have integrity, enthusiasm and good communication skills.

A leader has faith in their ability to train and develop the employees under them. Because of this, they have the willingness to empower those they lead to act autonomously.

Facilitator: Betsy Charles, DVM, MA, DACVR, Veterinary Leadership Institute and Western University of Health Sciences

1:30 p.m.-3:00 p.m.
Panel Discussion of Prominent Leaders in Our Field
Anne Barger, DVM, MS, DACVP, ACVP Past President, 2018–2019, University of Illinois at Champaign-Urbana, Champaign, IL
Diane Brown, DVM, PhD, DACVP, AKC Canine Health Foundation, Raleigh, NC
Dawn Duncan-Evans DVM, DACVP, LSU School of Veterinary Medicine, Baton Rouge, LA
Richard T. Miller, DVM, PhD, DACVP, RD Platform Technology & Science, King of Prussia, PA
Mary Anna Thrall, DVM, MS, DACVP, ACVP Past President, 2007, Ross University, Basseterre, West Indies
Michael J. Topper, DVM, PhD, DACVP, AVMA Past-President, Merck & Company, Harleysville, PA
Monday, November 5, 2018

7:00 a.m.-6:00 p.m.
Speaker Ready Room

7:30 a.m.-1:00 p.m.
Registration and Information Desk

8:00 a.m.-12:00 noon
ACVP and ASVCP Plenary Session:
Artificial Organs to Tissue Chips- Medical Advances in Tissue Bioengineering
Session Chairs:
Erin Brannick, DVM, MS, DACVP, University of Delaware, Newark, DE
John Slater, PhD, University of Delaware, Newark, DE

Recent advances in computer-modeling, bioprinting, and tissue engineering have led to the creation of synthetic tissues and organs for transplantation, as well as new diagnostic and drug development assays such as organ-on-a-chip technologies. Just how closely do synthetic tissues match their real counterparts? What potential role could veterinary pathologists play in development and evaluation of synthetic tissue models? Global leaders in the field of tissue bioengineering will share successes, challenges, and future opportunities in this burgeoning research field.

8:00 a.m.-9:00 a.m.
Micro and Nanoengineered Hydrogels for Regenerative Engineering and Precision Medicine
Ali Khademhosseini, PhD, University of California, Los Angeles, CA

9:00 a.m.-10:00 a.m.
Body-on-a-Chip Systems for Drug and Diagnostic Test Development
Michael L. Shuler, PhD, Cornell University, Ithaca, NY

10:00 a.m.-10:30 a.m.
Refreshment Break

10:30 a.m.-11:30 a.m.
Regenerative Medicine: Current Concepts and Changing Trends
Anthony Atala, MD, Wake Forest University, Winston-Salem, NC

11:30 a.m.-12:00 noon
Speaker Panel for Q&A

8:00 a.m.-12:00 noon
ASVCP Veterinary Laboratory Professionals Session II
Session Chair: Nicole Rosen, MT (ASCP), Purdue University, West Lafayette, IN

9:00 a.m.-5:00 p.m.
Career Center
9:30 a.m.-1:00 p.m.
Focused Scientific Poster Session
Exhibits Open

12:00 noon-1:30 p.m.
Lunch Break (on your own)

12:15 p.m.-1:15 p.m.
Veterinary Pathology Journal Editors Present
Session Chair: Jeff L. Caswell, DVM, DVSc, PhD, DACVP, Editor,
Veterinary Pathology and University of Guelph, Guelph, Ontario

12:15 p.m.-1:45 p.m.
Latin Comparative Pathology Group Presents
(presented in English)
Session Chairs: Melissa Sanchez, VMD, PhD, DACVP, Antech
Diagnostics
Ana Alcaraz, DVM, PhD, DACVP, Western University of Health
Sciences

Lessons and Lesions from Around the World
Corrie Brown, DVM, PhD, DACVP, University of Georgia,
Athens, GA

Reproductive Pathology in Zoo and Wild Animals
Dalen Agnew, DVM, PhD, DACVP, Michigan State University,
Lansing, MI

1:30 p.m.-3:30 p.m.
ASVCP Case Discussion Session
Session Chair: Amy MacNeill, DVM, PhD, DACVP (clinical), Colorado
State University, Ft. Collins, CO

1:30 p.m.-4:00 p.m.
Community Service Activity: Clean the World

1:45 p.m.-3:00 p.m.
Meet the Pathologists

3:00 p.m.-5:00 p.m.
Veterinary Student and Resident Forum

3:45 p.m.-5:15 p.m.
ASVCP Education Forum for Discussion
Session Chair: Deanna M. Schaefer, DVM, DACVP, University of
Tennessee, Knoxville, TN
Ashleigh W. Newman, VMD, DACVP, Cornell University, Ithaca, NY

5:15 p.m.-6:45 p.m.
ASVCP Reception

5:30 p.m.-7:00 p.m.
ACVP New Diplomates Reception

7:00 p.m.-9:00 p.m.
Mystery Slide Review Session: Muscle Pathology
Session Chair: G. Diane Shelton, DVM, PhD, DACVIM, University of
California, San Diego, CA
Heather Tillman, DVM, PhD, DACVP, St. Jude Children’s Research
Hospital, Memphis, TN

Tuesday, November 6, 2018

7:00 a.m.-6:00 p.m.
Speaker Ready Room

7:30 a.m.-5:00 p.m.
Registration and Information Desk

8:00 a.m.-12:00 noon
Concurrent Session II:
Before and After: Muscle and Meat Pathology of Food Animal Species
Session Chairs: David K. Meyerholz, DVM, PhD, DACVP, University of
Iowa, Iowa City, IA
John Edwards, DVM, PhD, DACVP, Texas A&M University, College
Station, TX

Diagnostic pathologists are often called upon to evaluate pre-
processing muscle lesions in food animal species and may also be
asked to evaluate lesions in meat following carcass processing/
dressing. Common gross and histologic lesions of muscle and
meat will be covered across food animal species, including
ruminants, game animals, swine and poultry.

8:00 a.m.-10:00 a.m.
Identification of Muscle and Meat Lesions in Ruminant and Game
Animal Species
John Edwards, DVM, PhD, DACVP

10:00 a.m.-10:30 a.m.
Refreshment Break

10:30 a.m.-11:15 a.m.
Genetic, Nutritional, and Toxicologic Diseases of Porcine Muscle
Eric R. Burrough, DVM, PhD, DACVP, Iowa State University,
Ames, IA

11:15 a.m.-12:00 noon
Wooden Breast, White Striping and “Worms”: Muscle and Meat
Lesions of Broiler Chickens
Erin Brannick, DVM, MS, DACVP, University of Delaware,
Newark, DE

8:00 a.m.-12:00 noon
Concurrent Session III:
Diseases and Disorders Associated with Natural and Manmade
Disasters
Session Chairs:
Julie Engiles, VMD, DACVP, University of Pennsylvania, Kennett
Square, PA
Lisa Murphy, VMD, DABT, University of Pennsylvania School of
Veterinary Medicine, Kennett Square, PA

8:00 a.m.-8:50 a.m.
Overview of Diseases and Toxicologic Concerns Associated with
Floodwaters and Other Natural Disasters
Sharon Gwaltney-Brant, DVM, PhD, DABVT, DABT, Veterinary
Information Network, Mahomet, IL

8:50 a.m.-9:40 a.m.
Injuries and Disorders in Military Working Dogs (MWDs)
Matt S. Takara, DVM, MSpVM, DACVIM(SAIM), U.S. Army Animal
Health Division, Lackland, TX
9:40 a.m.-10:10 a.m.
Refreshment Break

10:10 a.m.-11:00 a.m.
Effects of Radiation on Animals: What Do We Really Know?
Lisa Murphy, VMD, DABT

11:00 a.m.-11:50 a.m.
Waterborne Wildlife Pathogens and Water-Related Disasters
Christine Densmore, DVM, PhD, U.S. Geological Survey, Kearneysville, WV

11:50 a.m.-12:00 noon
Questions and Discussion

8:00 a.m.-12:00 noon
Clinical Pathology Focused Scientific Session II
Session Chair: Julie Webb, DACVP, IDEXX Laboratories, Markham, Ontario

Invited Speaker
NETs, cfDNA and Immunothrombosis: A Tangled Web?
Robert Goggs, BVSc, PhD, DACVECC, DECVECC, Cornell University, Ithaca, NY

8:00 a.m.-12:00 noon
Education Focused Scientific Session
Session Chairs: Rachel Mo Peters, DACVP, Agios Pharmaceuticals, Arlington, MA
Mee-Ja Sula, DACVP, University of Tennessee, Knoxville, TN

Invited Speakers:
Terry Fei Fan Ng, PhD, University of Georgia, Athens, GA
Marta Castelhano, DVM
Cornell University College of Veterinary Medicine, Ithaca, NY
James Wasmuth, BSc, MRes, PhD, University of Calgary, Calgary, Alberta

9:00 a.m.-5:00 p.m.
Career Center

9:30 a.m.-3:30 p.m.
Focused Scientific Poster Session
Exhibits Open

12:15 p.m.-1:15 p.m.
Presidential Pathology and Assassination Conservation
Session Chair: Sanjeev Gumber, BVSc, MVSc, PhD, DACVP, Emory University, Atlanta, GA

Preserving Pathology and Remains of Presidents and Their Assassins
Lowell Flanders, MS, Mütter Museum, Philadelphia, PA

12:15 p.m.-1:15 p.m.
Maintenance of Certification Review Session
Session Chair: Amy C. Durham, VMD, DACVP, University of Pennsylvania, Philadelphia, PA

1:30 p.m.-5:00 p.m.
ASVCP Mystery Slide Case Session
Session Chair: Amy MacNeill, DVM, PhD, DACVP (clinical), Colorado State University, Ft. Collins, CO

1:30 p.m.-5:00 p.m.
Mini-Symposium II:
Snap Decisions: Intraoperative Diagnosis: Pathology of Organ Transplantation
Session Chair: Pamela J. Mouser, Angell Animal Medical Center, Boston, MA
Joshua Webster, DVM, PhD, DACVP, Genentech, South San Francisco, CA

Veterinary medicine is continually evolving to provide more rapid and accurate diagnostic testing for patients. The sense of urgency intensifies with critical or anesthetized patients, where treatment decisions await the results of STAT diagnostics. Pathologists are expected to interpret intraoperative cytopathology and frozen sections to provide immediate answers, some of which may result in aggressive surgical measures or end-of-life decisions. These opportunities can be exciting and stressful for all parties involved. This session explores some of the challenges, benefits, techniques, and outcomes of providing intraoperative diagnostic services.

Guiding the Surgeons Hands: The History and Current Practice of Frozen Section and On Site Assessment at Mayo Clinic
Gary L. Keeney, MD, and John C. Cheville, MD, Mayo Clinic, Rochester, MN

Intraoperative Frozen Sections: The Veterinary Experience
Andrew D. Miller, DVM, DACVP, Cornell University, Ithaca, NY

A Novel Digital Cytology Service for STAT Submissions
Julie Piccione, DVM, MS, DACVP, Texas A&M Veterinary Medical Diagnostic Laboratory, College Station, TX

1:30 p.m.-5:00 p.m.
Diagnostic Pathology Focused Scientific Session II
Session Chair: Eric R. Burrough, DVM, PhD, DACVP, Iowa State University, Ames, IA

1:30 p.m.-5:00 p.m.
Experimental Disease Focused Scientific Session II
Session Chair: Sanjeev Gumber, BVSc, MVSc, PhD, DACVP, Emory University, Atlanta, GA

Invited Speakers
Immune Response to Transplanted Organs, with a Focus on Therapeutics and Diagnostics
Andrews Adams, MD, PhD, Emory University, Atlanta, GA

Landmarks on the Canine CAR Journey
Nicola J. Mason, PhD, BVetMed, DACVIM, University of Pennsylvania, Philadelphia, PA

1:30 p.m.-5:00 p.m.
Industrial and Toxicologic Pathology Focused Scientific Session II
Session Chair: Janardhan Kyathanahalli, BVSc, MVSc, PhD, DACVP, Integrated Laboratory Systems, Research Triangle Park, NC
Invited Speakers
Basics of Preclinical Toxicity Testing
Alok K. Sharma, BVSc, MVSc, PhD, DACVP, Covance Laboratories, Inc., Madison, WI

Investigational New Drug (IND) Application
LuAnn McKinney, DVM, DACVP, US Federal Drug Administration, Silver Spring, MD

5:15 p.m.-6:45 p.m.
ACVP Awards and Recognition Event

7:00 p.m.-9:30 p.m.
ACVP President’s Reception

Wednesday, November 7, 2018

7:00 a.m.-11:00 a.m.
Speaker Ready Room

8:00 a.m.-1:00 p.m.
Registration and Information Desk

8:00 a.m.-12:00 noon
Concurrent Session IV: Virology, Pathology, and the Future
Session Chairs:
Patricia Pesavento, DVM, PhD, DACVP, University of California, Davis, CA
Michael J. Oglesbee, DVM, PhD, DACVP, The Ohio State University, Columbus, OH

The potential roles of viruses in disease causation are increasingly apparent, in large part due to advances in molecular diagnostics and viromics. However, detection alone does not address the many potential host-virus interactions that determine the outcome of infection. What makes a virus a pathogen? The ‘reality of causality’ is that pathology is vital to identify outcomes of infection and to understand basic considerations that make animal models relevant in studying specific infection outcomes. In this session we will explore the frontlines of viral discovery, viral persistence, and host-viral interactions to illustrate how virology and pathology combine to address new challenges in the field.

8:00 a.m.-8:50 a.m.
Viral Discovery: Opportunities and Challenges
Torsten Seuberlich, DrMedVet, Universität Bern, Bern, Switzerland

8:50 a.m.-9:40 a.m.
Expanding Relevance of Mouse Models of Viral Virulence
Michael J. Oglesbee, DVM, PhD, DACVP

9:40 a.m.-10:10 a.m.
Refreshment Break

10:10 a.m.-11:00 a.m.
Host Fitness Promoting Traits of Natural Microbiota in Mice
Barbara Rehermann, MD, National Institutes of Health, Bethesda, MD

11:00 a.m.-11:45 a.m.
Persistent Viruses and Viral Oncogenesis
Patricia Pesavento, DVM, PhD, DACVP

11:50 a.m.-12:00 noon
Questions and Discussion

8:00 a.m.-12:00 noon
Concurrent Session V: Comparative Oncology
Session Chairs:
Joshua Webster, DVM, PhD, DACVP, Genentech, South San Francisco, CA
Stephen M. Hewitt, MD, PhD, National Cancer Institute, Bethesda, MD

This session will focus on emerging opportunities and challenges of using companion animals as models of human cancer. The session will be introduced by Joshua Webster (session chair) who will discuss the unique benefits and opportunities of comparative oncology as well as some of the challenges observed from the perspective of a pharma interested in using comparative oncology approaches in drug development. Steven Dow of Colorado State University will then discuss comparative tumor immunology in dog and man and will provide perspective on how the dog can be used to evaluate immunotherapy to inform both human and veterinary medicine. Debra Knapp from Purdue will then discuss an investigator sponsored clinical trial using vemurafenib to treated BRAF-V600E mutant canine urothelial cancer. This trial highlights the use of comparative modeling based on genetic mutations rather than histomorphology. Finally, Mark Simpson and Stephen Hewitt from the NCI will discuss the comparative oncology tumor boards and how cross-functional veterinary, human, investigative, and clinical collaborations are needed for successful comparative studies.

8:00 a.m.-8:30 a.m.
Opportunities and Challenges of Comparative Oncology from a Pharma Perspective
Joshua Webster, DVM, PhD, DACVP

8:30 a.m.-9:30 a.m.
Comparative Immuno-Oncology in Dogs and Man
Steven Dow, DVM, PhD, Colorado State University, Ft. Collins, CO

9:30 a.m.-10:00 a.m.
Refreshment Break

10:00 a.m.-11:00 a.m.
Anti-tumor Effects, Safety, and Mechanisms of Resistance of BRAF-targeted Therapy in Dogs with Naturally-occurring Invasive Urothelial Carcinoma
Deborah W. Knapp, DVM, MS, DACVIM, Purdue University, West Lafayette, IN

11:00 a.m.-12:00 noon
Comparative Oncology Benefits From the Synergistic Intel Achievable Through Physician and Veterinary Pathologist Consensus
R. Mark Simpson, DVM, PhD, DACVP, National Cancer Institute, Bethesda, MD
Steven M. Hewitt, MD, PhD
This mini-symposium will cover recent discoveries in vascular biology; specifically, mechanistic studies in the pathogenesis of vascular inflammation and thrombosis and in vivo imaging and diagnostic approaches for detecting cerebrovascular events. Speakers will address the hemorrhage-inducing effects of endotheliotropic viruses in ruminants, factors that regulate fibrin clot structure and contribute to thrombosis, the use of multiphoton laser imaging tools to study cerebrovascular pathologic events in rodent models, and cerebrovascular disease in small animals.

8:00 a.m.-8:40 a.m.
Orbivirus Hemorrhagic Disease and the Bleeding Deer
Elizabeth Howerth DVM, PhD, DACVP, University of Georgia.

8:40 a.m.-9:20 a.m.
Mechanisms of Viral Hemorrhagic Fevers; the Examples of Bluetongue and African Horse Sickness
N. James MacLachlan, BVSc, MS, PhD, DACVP, University of California, Davis

9:20 a.m.-10:00 a.m.
Fibrinogen, Factor XIII and Red Blood Cells in Thrombosis
Alisa Wolberg PhD, FAHA, University of North Carolina, Chapel Hill, NC
2018 ACVP & ASVCP Call for Abstracts
Submission Deadline: July 2, 2018

Mark Your Calendar and Join us in Washington, DC for the 69th Annual Meeting of the ACVP and the 53rd Annual Meeting of the ASVCP!

Whether you are new to the field of veterinary pathology or an experienced veteran, you will enjoy the diverse and exciting program being offered at this year’s meeting. Highlighted topics include:

Pre-Meeting Workshops
- ACVP Pre-Meeting Workshop
- ASVCP Pre-Meeting Workshop
- C.L. Davis Foundation Pre-Meeting Workshop

ACVP/ASVCP Joint Plenary Session
- Artificial Organs: Digital and Synthetic Tissue Modeling

ASVCP Education Symposium

Concurrent Sessions
- Pathology Beyond Borders: Global Engagement
- Before and After: Muscle and Meat Pathology
- Diseases and Disorders Associated with Natural and Mannmade Disasters
- Viral Inclusions and Confusions
- Comparative Pathology

Mini-Symposia
- Shock and Awe: Hemodynamic and Vascular Disturbances
- Leadership Development

Career Development
- Fighting Fatigue

ASVCP
- Case Discussion Session
- Mystery Slide Case Session
- Education Forum for Discussion
- Veterinary Laboratory Professionals

Focused Scientific Sessions
- Clinical Pathology
- Diagnostic Pathology
- Education
- Experimental Disease
- Industrial and Toxicologic Pathology
- Natural Disease

Mystery Slide Review Session
- Muscle Pathology
- Neuropathology
Upcoming Events

**STP 37th Annual Symposium**  
6/16/2018-6/21/2018  
Location: Indianapolis, Indiana, USA  

**British Society of Veterinary Pathology**  
6/16/2018  
Location: Birmingham, England  

**37th Conference on Pediatric Disease**  
8/6/2018-8/10/2018  
Location: Aspen, Colorado

**Health and Colony Management of Laboratory Fish Short Course**  
8/12/2018-8/17/2018  
Location: Bar Harbor, Maine, USA  

**2018 Joint ESVP and ECVP Congress**  
9/5/2018-9/8/2018  
Cluj-Napoca, Romania  
[www.acvp.org/](http://www.acvp.org/)  
[www.ecvpath.org](http://www.ecvpath.org)

**2018 Western Conference of Veterinary Diagnostic Pathologists (WCVDP)**  
9/7/2018-9/8/2018  
Location: Newport, Oregon, USA  

**BSVP Annual Meeting 2018**  
9/28/2018-9/29/2018  
Location: Surrey, England  
[http://www.bsvp.org](http://www.bsvp.org)

**17th International Conference on Pathology & Cancer Epidemiology**  
10/8/2018-10/9/2018  
Location: Edinburgh, Scotland  
[https://pathology.euroscicon.com/](https://pathology.euroscicon.com/)

**2018 ACVP/ASVCP Concurrent Annual Meeting**  
11/3/2018-11/7/2018  
Marriott Wardman Park Hotel, Washington, DC, USA  
[www.acvp.org](http://www.acvp.org)