American College of Veterinary Pathologists

American Society for Veterinary Clinical Pathology

2012 Final Program

Seattle, Washington

December 1-5
Held at the Washington State Convention Center & the Sheraton Seattle Hotel

www.acvp.org or www.asvcp.org
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ACVP thanks the following for providing Student Chapter Travel Awards:

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A special thank you to the authors of Veterinary Hematology: Atlas of Common Domestic and Non-Domestic Species (2nd Edition), published by Wiley Blackwell.

• William J. Reagan
• Armando R. Irizarry Rovira
• Dennis B. DeNicola
# ACVP & ASVCP 2012 • Contents

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Remember to look us up on Facebook and Twitter.
Welcome to Seattle and the 2012 Annual Meeting of the American College of Veterinary Pathologists (ACVP) and the American Society for Veterinary Clinical Pathology (ASVCP)!

We are so glad that you are here and we are confident that you will enjoy this year’s program. The “big picture” of the meeting is outlined below. Use this as your starting point as you navigate the details in this program. Regardless of your background, you should find several things that will spark your interest.

The day-to-day summary of the meeting is as follows:

- **Saturday, December 1.** Get started early with the Pre-Meeting Workshops. The C.L. Davis workshop will focus on reproductive pathology and the murine group will host an all day workshop on mouse modeling and phenotyping. The ASVCP program will focus on quality control in the laboratory and the evening will wrap-up with a “Getting Published” workshop hosted by the editorial staff of *Veterinary Pathology* (5:00–7:00 p.m.), the ASVCP Teaching Clinical Pathology: Resident Training and Technology session (6:00–8:00 p.m.), and of course the Opening Reception (7:00 p.m.).

- **Sunday, December 2.** Sunday will be extremely busy. The theme for this year’s ASVCP Education Symposium is “Veterinary Clinical Pathology: Infectious Disease and the Expanding World View.” The Career Development Symposium (morning) will focus on leadership in the workplace and the day is packed with focused scientific sessions (Natural Disease, Experimental Disease, Diagnostic Pathology, Clinical Pathology, and Industrial/Toxicologic Pathology) in the a.m. and p.m. A twist this year is the Mini-Symposium titled “Pillars of Pathology” held Sunday morning. Here, Drs. John King, Don Meuten, Stephen Barthold, and Mary Anna Thrall will provide an educational session on how ordinary people can become extraordinary pathologists. Sunday afternoon will host the first of three ASVCP Laboratory Professionals sessions; this one focusing on transfusion reactions and identifying tick borne infections. In the evening, the ASVCP Business Meeting (4:30 p.m.) and the ACVP Town Hall Meeting (6:00 p.m.) will finish just in time for attendees to make it to the Mystery Slide Review: Neuropathology beginning at 7:30 p.m.

- **Monday, December 3.** Monday morning contains the plenary session titled “Allergic Airway Disease.” The
session will focus on the role of mast cells (Galli), adaptive (Lloyd), and innate immunity (Umetsu) in the pathogenesis of allergic airway disease. In addition, the session will include discussion on the role viral infection plays in modulating allergic lung disease (Varga). The second ASVCP Laboratory Professionals session, featuring Kathleen Freeman, will run concurrently and examine quality control in the laboratory. Of course back by popular demand, Monday afternoon is open for participants to enjoy guilt-free shopping, dining, and sight-seeing in the beautiful downtown (and perhaps beyond) Seattle area! However, be sure to make it back in time for either the Mystery Slide Seminar: Liver Pathology or the ASVCP Clinical Chemistry Review Session, both beginning at 7:00 p.m.

- **Tuesday, December 4.** Tuesday morning will host the first two concurrent sessions, Liver Pathology and Mouse Pathology. Liver pathology is geared predominantly for the diagnostic pathologist; however, there will be topics of interest for the industrial/toxicologic folks. Mouse Pathology is a thematic extension of the pre-meeting mouse workshop and will take a unique view of comparative pathology from both the murine and human perspective. The focused scientific sessions will wrap-up including Education and Clinical Pathology in the morning, and Diagnostic Pathology, Experimental Disease, and Industrial and Toxicological Pathology in the afternoon. The afternoon will also see the ever popular ASVCP Case Review Session. Do not forget to plan for the Awards and Recognition Event (5:15 p.m.) and the Presidential Reception (7:00 p.m.).

- **Wednesday, December 5.** All good things must come to an end. Wednesday morning is highlighted by the last two concurrent sessions: T cell plasticity and “Tales from the Crypt.” The former will have broad appeal to all pathologists focusing on T helper cell subsets and the latter session focuses on the role veterinary pathologists have played in historically important diseases. The keynote speaker for the “Tales from the Crypt” session is Dr. Stanley Prusiner, Nobel laureate and discoverer of prions. His presentation will be dedicated to Dr. William Hadlow, a veterinary pathologist that made the early connections between kuru in people and scrapie disease of sheep. In addition, there will also be a GI pathology mini-symposium covering the histological grading of endoscopic biopsies, application thereof with clinician/pathologist interactions and finally presentations on the role of microorganisms in the pathogenesis of inflammatory bowel diseases. Post-Meeting workshops will begin at 1:00 p.m. and include a presentation on immunohistochemistry in canine and feline cancer diagnosis and prognosis. This is a “must see” session for
any diagnostician. Running concurrently in the afternoon will be a Primate Pathology workshop hosted by the primate pathology focus group. The theme of this year’s workshop will be emerging respiratory viral infections and will also include case presentations.

Although continuing education is always paramount, make sure to take time to visit Seattle, strike up conversations with old friends and colleagues, and make plans to see them again at next year’s ACVP/ASVCP meeting in Montréal (2013).

We would like to extend thanks to the sponsors and exhibitors that support this meeting. If you see a lady walking around with “Jane Shepard” on her nametag, give her a hug and thanks, too. The meeting organization and implementation is impossible without her hard work. Thanks are due to the host of volunteers on the ACVP Education Committee, ASVCP Program Committee, Focused Scientific Session Committee, ACVP Council, and executive staff that have teamed together to present this meeting to you. Lastly, we would like to thank the membership of the ACVP and ASVCP for their attendance and participation, without which this meeting would not be possible.

Jerry W. Ritchey, DVM, PhD*
2012 ACVP Annual Meeting Program Chair

Jennifer A. Neel, DVM*
2012 ASVCP Annual Meeting Program Chair
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ACVP FOCUSED SCIENTIFIC GROUPS

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Kelli L. Boyd, DVM, PhD*

Focused Scientific Group Co-Chair and Awards Chair
Shelley J. Newman, DVM, DVSc*

Clinical Pathology
Marlyn S. Whitney, DVM, PhD* (Chair)
John A. Christian, DVM, PhD*
Michael Fry, DVM*
Leslie C. Sharkey, DVM, PhD* (Past Chair)
Charles E. Wiedmeyer, DVM, PhD*

Diagnostic Pathology
Francisco A. Uzal, DVM, PhD* (Chair)
Barbara Lewis, DVM* (Co-Chair)
Christiane V. Löhr, DVM, PhD* (Past Chair)
Akinyi C. Nyaoke, DVM, MSc.*
Stephen A. Raverty, DVM, PhD*
Education
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Roberta Di Terlizzi, DVM, MRCVS* (Past Chair)
Catherine Lamm, DVM*
Jennifer A. Neel, DVM*
Shelley J. Newman, DVM, DVSc*
Jeanine Peters, DVM*
Melissa D. Sanchez, VMD, PhD*
Amy L. Warren, BSc, BVSc* (Co-Chair)

Experimental Disease
Justin J. Greenlee, DVM, PhD* (Chair)
Katherine Gibson-Corley (Co-Chair)
Sebastien Monette, DVM, MVSc*
Robert W. Read, DVM, PhD*
Caroline J. Zeiss, BVSc, PhD* (Past Chair)

Industrial and Toxicologic Pathology
Mark Hoenerhoff, DVM, PhD* (Chair)
Curtis Colleton, DVM*
Wayne Dochtermann, DVM* (Past Chair)
Mike Conner, DVM*
Daniela Ennulat, DVM, PhD*
Vito G. Sasseville, DVM, PhD*
Manu M. Sebastian, DVM, PhD* (Co-Chair)
Bhanu Singh, DVM*

Natural Disease
Bradley L. Njaa, DVM, MVSc* (Chair)
Gary Haldorson, DVM, PhD*
Ingeborg Langohr, DVM, PhD*
Tanya LeRoith, DVM, PhD* (Past Chair)
Andrew D. Miller, DVM*
Jens-Peter Teifke, DVM* (Co-Chair)

2012 ASVCP PROGRAM COMMITTEE

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Bruce E. LeRoy, DVM, PhD*
Jeffery McCartney, DVM*
Joanne Messick, VMD, PhD*
M. Judith Radin, DVM, PhD*
Nicole Rosen, MT(ASCP)
Susan J. Tornquist, DVM, PhD*
Marilyn S. Whitney, DVM, PhD*

*ACVP Diplomate
The Registration Area will be located at the Sixth Floor Lobby at the Washington State Convention Center and open during the following hours:

Saturday, December 1...............................7:00 a.m.–7:30 p.m.
Sunday, December 2..............................7:00 a.m.–5:00 p.m.
Monday, December 3...............................7:30 a.m.–1:30 p.m.
Tuesday, December 4..............................7:30 a.m.–5:00 p.m.
Wednesday, December 5...........................8:00 a.m.–1:30 p.m.

You will notice that there are fewer paper handouts this year and more information online. We are making an effort to be more environmentally friendly, but still providing attendees with the information they need to have a successful conference. Please give us your feedback on the electronic evaluation form you receive by email after the meeting is over.

Please take time to explore the Sheraton Seattle Hotel and the Washington State Convention Center to locate the session rooms for the ACVP/ASVCP meeting so that it is not too confusing when you are trying to find them in a hurry!

**Washington State Convention Center (WSCC)**

All sessions are located on the Sixth (6) Floor of the Convention Center, except the Council meetings, which are located on the Second (2) Floor.

**Sheraton Seattle Hotel**

2nd Floor, Main Building
- Aspen
- Cedar
- Issaquah
- Grand Ballroom
- Juniper
- Madrona
- Willow

3rd Floor, Main Building
- Capital Hill
- Greenwood
- Issaquah
- Kirkland
- Leschi
- Metropolitan
- Ravenna

4th Floor, Pike Street Tower
- Aiki Boardroom
- Columbia
- Cirrus Room
- Richmond Boardroom

4th Floor, Union Street Tower
- Boren
- Columbia
- Seneca
- Virginia

35th Floor, Pike Street Tower
- Cirrus Room
Facebook: Please contribute to our ACVP Meetings and Topics Facebook page and our Student Facebook page during the Annual Meeting. Let other members know your impressions of the sessions you attend, as well as your overall experience at this year’s meeting in Seattle. www.facebook.com.

Twitter: Want to stay connected with @ACVP and other meeting attendees? Are you excited about a session? Or a poster? Or want your friends to bid on a silent auction item for a great cause? Or you just found the best cup of coffee in Seattle? Follow us on Twitter for information about sessions and new findings revealed by our presenters. We want to hear from you too! Hashtag your tweets #ACVPmeet or comment to @ACVP directly and keep us in the loop. www.twitter.com.

CONTINUING EDUCATION CREDITS

This program has been submitted for continuing education credit in jurisdictions, which recognize AAVSB RACE approval; however, participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/ or restrictions on certain methods of delivery of continuing education. Please check at the registration desk for the final number of approved credits.

ASVCP-VLP is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E. Program.

This program meets the requirements for up to 9 hours of continuing education credit for Clinical Laboratory Scientists in jurisdictions that recognize P.A.C.E. credits.
ACVP is once again hosting its Career Center at the 2012 Annual Meeting, offering an uncommon opportunity for recruiters, employers, veterinary pathologists, trainees and students to meet each other, drop off or receive CVs, arrange on-site interviews or just explore opportunities in veterinary pathology.

The Career Center kicks off on Saturday in Room 618 at the Washington State Convention Center.

Open hours are:
Saturday, December 1............................1:00 p.m.–8:30 p.m.
Sunday, December 2.............................9:00 a.m.–5:00 p.m.
Monday, December 3.............................9:00 a.m.–5:00 p.m.
Tuesday, December 4............................9:00 a.m.–5:00 p.m.

The online Career Center continues until December 30 on the ACVP website at www.acvp.org.

INTERNET STATION

Sponsored by VIN

An Internet Station will be available during the following hours. It will be located in Room 619 at the Washington State Convention Center.

Saturday, December 1............................1:00 p.m.–8:30 p.m.
Sunday, December 2.............................7:00 a.m.–7:30 p.m.
Monday, December 3.............................7:00 a.m.–5:00 p.m.
Tuesday, December 4............................7:00 a.m.–5:00 p.m.
Wednesday, December 5........................7:00 a.m.–1:00 p.m.

VIN is also offering free wi-fi in the Internet Station this year.

There are free wi-fi spots located throughout the Washington State Convention Center. You will find most of them in the lobby areas on each floor of the Convention Center.

• East Lobby (Level 6)
• West Lobby (Level 6)
• North Lobby (Level 4)
• South Galleria (Level 4)
• North Galleria (Level 2)
• International Meeting Place (Level 2)
• Seattle Visitor Center (Level 1)

Does your cell phone need charging? Stop by the Internet Station to plug in your phone.
The Certifying Examination Board has moved forward on the strategic plan charges assigned to it last year through the ACVP Strategic Plan. Its chair, Keith Harris, will update you on the progress thus far and on the priorities identified. In addition, the Maintenance of Certification Development Committee has information to share about its headway on developing a maintenance of certification program that will be in place by 2016, the deadline that the American Board of Veterinary Specialties has given ACVP. Claire Andreasen will moderate the program while encouraging member participation with Drs. Harris and Fales-Williams.

FOCUSED SCIENTIFIC POSTER SESSIONS

Focused Scientific Posters will be available for viewing in Exhibit Hall 6A at the following times:

- Saturday, December 1: 7:00 p.m.–8:30 p.m.
- Sunday, December 2: 9:30 a.m.–4:30 p.m.
- Monday, December 3: 9:30 a.m.–1:00 p.m.
- Tuesday, December 4: 9:30 a.m.–3:30 p.m.

Authors have been invited to be present at their poster during the Focused Scientific Poster Session on Saturday, December 1 from 7:00 p.m.–8:30 p.m.

ACVP Veterinary Student Posters will be available for viewing in Exhibit Hall 6A during the same hours as listed above.
The Speaker Ready Room is located in Room 620 at the Washington State Convention Center. Speakers (oral presenters) are required to download their presentation in the Speaker Ready Room prior to their session (please see the schedule below). The Speaker Ready Room will be open at the following times:

Saturday, December 1............................12:00 noon–7:00 p.m.
Sunday, December 2.............................7:00 a.m.–6:00 p.m.
Monday, December 3.............................7:00 a.m.–6:00 p.m.
Tuesday, December 4............................7:00 a.m.–5:00 p.m.
Wednesday, December 5..........................7:00 a.m.–11:30 a.m.

Below are scheduled check-in times for speakers. Please review and make note of these times.*

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<tr>
<td>Sunday, December 2 Between 1:30 p.m.–5:00 p.m.</td>
<td>Report prior to 10:30 a.m. on Sunday, December 2</td>
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<td>Monday, December 3 Between 8:00 a.m.–12:00 noon</td>
<td>Report prior to 5:00 p.m. on Sunday, December 3</td>
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<tr>
<td>Tuesday, December 4 Between 8:00 a.m.–12:00 noon</td>
<td>Report prior to 10:30 a.m. on Tuesday, December 4</td>
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<tr>
<td>Tuesday, December 4 Between 1:30 p.m.–5:00 p.m.</td>
<td>Report prior to 3:00 p.m. on Tuesday, December 4</td>
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<tr>
<td>Wednesday, December 5 Between 1:00 p.m.–5:00 p.m.</td>
<td>Report prior to 10:30 a.m. on Wednesday, December 5</td>
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*All pre-meeting workshop presenters are to report to their meeting room thirty (30) minutes in advance of the beginning of the session. They do not need to check-in at the Speaker Ready Room. All other speakers need to report to the Speaker Ready Room (does not apply to poster presenters).
ACVP/AAVLD DIAGNOSTIC PATHOLOGY TRAVEL AWARD

The American College of Veterinary Pathologists (ACVP) and the American Association of Veterinary Laboratory Diagnosticians (AAVLD) encourage trainees in veterinary pathology to participate in the Annual Meetings of both organizations. The Fifth Annual ACVP/AAVLD Diagnostic Pathology Travel Award is available to graduate students and/or residents in veterinary pathology for travel to and participation in the Annual Meeting of the AAVLD. The recipient will be awarded a $1,000 grant from the ACVP to help defray travel and lodging costs associated with attending the AAVLD Annual Meeting. The recipient will be granted a waiver for the AAVLD meeting registration fee. The recipient will be announced at the ACVP Awards and Recognition Event on Tuesday, December 4 from 5:15 p.m.–6:30 p.m. in Room 608 at the Washington State Convention Center.

Travel Award Judges
Robert J. Bildfell, DVM*
Thomas Cecere, DVM, PhD*
Jim Cooley, DVM*
Francisco A. Uzal, DVM, PhD*

ACVP YOUNG INVESTIGATOR AWARDS

The ACVP has established a Young Investigator Award Poster Competition in four categories: Diagnostic Pathology, Experimental Disease, Industrial and Toxicologic Pathology, and Natural Disease. Each of these categories will have monetary awards of $500 for first place; $300 for second place; and $200 for third place. Judging will take place at the Annual Meeting.

The ACVP Young Investigator Award winner’s names will be announced to the membership at the ACVP Awards and Recognition Event (Tuesday, December 4 at 5:15 p.m. in Room 608 at the Washington State Convention Center). Winners are asked to come to the front of the room for a photo after the Event. All Young Investigator Award Poster Competition recipients need to complete a form prior to leaving the meeting in order to receive their cash award. That form will be available at the ACVP Registration Area located at the Sixth Level Foyer at the Washington State Convention Center.

Recipients of the 2012 ACVP Young Investigator Awards are asked to display their poster in the Sixth Floor Foyer.
on Wednesday, December 5 from 8:00 a.m.–12:00 noon. Posterboards will be provided for the display.

The Young Investigator’s Diagnostic Award is supported by Antech Diagnostics.

**ACVP Young Investigator Award Judges**

**Diagnostic Pathology**
- Gillian L. Beamer, VMD, PhD*
- Lanny Pace, DVM, PhD*
- James B. Stanton, DVM, PhD*
- Nancy L. Stedman, DVM, PhD*

**Experimental Disease**
- Katharine Gibson-Corley, DVM, PhD*
- Alicia K. Olivier, DVM*
- James B. Rottman, DVM, PhD*
- Denise J. Schwahn, DVM, PhD*

**Natural Disease**
- Thomas E. Cecere, DVM*
- Tonya LeRoith, DVM, PhD*
- Patricia Pesavento, DVM, PhD*
- Julie R. White, DVM*

**Alternate Judges:**
- Sue Knoblaugh, DVM*
- Christiane V. Loehr, DVM, PhD*
- Margaret A. Miller, DVM, PhD*

**ASVCP LIFETIME ACHIEVEMENT AWARD**

2012 Recipient: Dr. Douglas J. Weiss, DVM, PhD*
Submitted by Kirstin Barnhart, Committee Chair

We congratulate Dr. Doug Weiss on being the recipient of the 2012 ASVCP Lifetime Achievement Award. Dr. Weiss completed his DVM at the University of Minnesota, followed by an MS at Kansas State University and a PhD at Michigan State University. Even now, Dr. Weiss is continuing his lifelong pursuit of knowledge at Luther Seminary in St. Paul, Minnesota. Some excerpts from letters of support highlight contributions to the profession and his impact on the lives of those around him.

“Dr. Weiss is a special type of person who has followed his own agenda and has done what he thinks is right and taken the time to do it right. We in clinical pathology are thankful he chose our specialty.” – Harold Tvedten, Uppsala, Sweden
“I had the privilege of being one of Dr. Weiss’s last clinical pathology trainees prior to his retirement in 2007. Even in the later stages of his career, he remained continually curious and always driven to better understand the underlying causes and mechanisms of the pathology he witnessed. It seems as though this was likely a major driving force behind the extensive body of publications for which he is responsible. I think he took it upon himself to fill knowledge gaps and answer the unknown not only to help him become a better pathologist, but so many others could as well.” – Jed Overmann, Assistant Clinical Professor, University of Minnesota

“I recently had the honor of being a co-editor with Dr. Weiss for the new edition of Schalm’s *Veterinary Hematology*. Doug was the mastermind on this book with wonderful ideas on the best way to create a very organized, readable hematology resource. The expertise he had gained through over 30 years of working in the field of hematology served him well as an editor, and allowed him to skillfully critique and format information provided by an international cast of authors. He also managed to keep me personally entertained with his email commentaries about life in Minnesota, and with pictures of his cabin in the woods!” – Jane Wardrop, Professor, Veterinary Clinical Sciences, Washington State University

“I first met Dr. Weiss at an impromptu meeting I arranged shortly after I graduated from veterinary school. I had always dreamed of a career in clinical pathology and since I was visiting Minnesota I thought I might meet some of the clinical pathology faculty. Dr. Weiss was most accommodating and spent nearly an hour touring me around the laboratory and discussing the position with me. This was most unexpected since the meeting was not planned ahead of time. Throughout my residency, Dr. Weiss continually went above and beyond to help me personally and professionally, including arranging for me to rent his neighbor’s house when I first moved to Minnesota and inviting my husband and me over to his home with some frequency for dinner with his family. He even attended my baby shower!” – Jennifer Brazzell, Western College of Veterinary Medicine

**ASVCP YOUNG INVESTIGATOR AWARD**

The ASVCP presents a $500 Young Investigator Award to the resident or graduate student whose oral platform presentation is judged best among the competing presentations. Eligibility requirements include a degree in veterinary medicine and enrollment in a residency or graduate program in pathology/clinical pathology or a related discipline. The oral presentation must describe original work of the competitor involving clinical or
experimental research that relates to clinical pathology. Award selection is determined by an independent panel of judges and is based on the scientific content, abstract composition, clarity of presentation, and the contestant’s ability to answer questions. The recipient of the ASVCP Young Investigator Award will be announced at the start of the ASVCP Case Review Session scheduled for Tuesday, December 4 at 1:30 p.m. in Room 607 at the Washington State Convention Center.

Judges
Kirstin Barnhart, DVM, PhD*
Laura Cregar, DVM*
Bente Flatland, DVM*
Darren Wood, DVM
Karen Young, VMD, PhD*

CHARLES CAPEN STUDENT TRAVEL AWARD
IN EXPERIMENTAL PATHOLOGY

The Charles Capen Student Travel Award recognizes Dr. Charles Capen and his legacy as a researcher, teacher, and mentor to the veterinary, experimental and toxicological pathology communities spanning more than four decades. Dr. Capen was recognized worldwide as an exceptional leader in veterinary and biomedical research. He was a highly regarded mentor to graduate students and postdoctoral scientists. His students are now leaders throughout academia, government, and industry and have contributed significantly to his reputation as an outstanding teacher and research mentor. The International Academy of Toxicologic Pathology (IATPFellows.org) funds the award in the amount of $750 for the best trainee oral presentation in the Experimental Disease Focused Scientific Session.

Judges
Katharine Gibson-Corley, DVM, PhD*
Lauren J. Richey, DVM, PhD*
Thomas J. Rosol, DVM, PhD*
James B. Rottman, DVM, PhD*

SOCIETY OF TOXICOLOGIC PATHOLOGY
(STP) STUDENT POSTER AWARD

Purpose
The Society of Toxicologic Pathology (STP) is pleased to announce the Sixth Annual STP Student Poster Award to encourage students to pursue careers in the field of Toxicologic Pathology. The award recipient will receive free registration
Eligibility
To be eligible to compete for this award, students must be currently enrolled in a veterinary medicine program, or have obtained a degree in veterinary medicine and be enrolled in a residency or graduate program in toxicologic pathology/ general pathology/clinical pathology or a related discipline. The abstract must describe original work of the competitor involving clinical or experimental research that relates to industrial and/or toxicologic pathology. The content may include in vitro or in vivo studies. The award selection will be determined by an independent panel of judges and will be based on the scientific content, composition of the poster, clarity and the presenter’s ability to answer questions. Trainees in clinical and/or morphologic pathology are encouraged to apply for the award.

Application and Selection Procedure
The award will be given to the veterinary, resident, or graduate student whose poster is judged best among up to five finalists at the ACVP/ASVCP Annual Meeting. The applicant should follow the guidelines for application for the ACVP YIA in Industrial and Toxicologic Pathology to be eligible for this award.

Award Announcement
The recipient will be announced at the ACVP Awards and Recognition Event on Tuesday, December 4 from 5:15 p.m.–6:30 p.m. in Room 608 at the Washington State Convention Center.

Society of Toxicologic Pathology Award Judges
Wayne Dochterman, DVM*
Aaron M. Sargeant, DVM, PhD*

VETERINARY STUDENT POSTER AWARDS
For the ninth year in a row, the ACVP is offering an award for veterinary students, which requires submission of an abstract followed by a quality poster presentation of pathology-related research work or clinical case material. The posters will be judged by Student Chapter Committee representatives during the Annual Meeting. There will be two awards this year, one for an experimental disease poster and one for a clinical case report/series. A monetary prize of $250 will go to the recipients (for group entries, the award is split amongst members) with another award of $250 to the recipients’ ACVP-recognized
Student Chapter. Awards will be announced at the ACVP Awards and Recognition Event, on Tuesday, December 4 starting at 5:15 p.m. in Room 608 at the Washington State Convention Center. Candidates are encouraged to attend!

Veterinary Student Poster Award Judges
Stephanie Corn, DVM*
Catherine Lamm, DVM*
Duncan Russell, BVMS(Hons)*
Kaori Sakamoto, DVM, PhD*

ACVP PRESIDENTIAL RECEPTION

This year, the Presidential Reception will be held in the Grand Ballroom at the Sheraton Seattle Hotel on Tuesday, December 4 at 7:00 p.m. Each attendee and registered spouse/guest that registered in advance and checked the attendance box is entitled to attend the Presidential Reception. Bring your badge with you as it will serve as your ticket to this Reception.

Thanks to Pfizer for sponsorship of this event!

ASVCP RECEPTION

All ASVCP members are invited to a reception being held on Monday, December 3 from 5:15 p.m.–6:45 p.m. in the Cirrus Ballroom at the Sheraton Seattle Hotel. Please be sure to join your friends and colleagues!

SILENT AUCTION

ACVP is proud to present its Ninth Annual Silent Auction at the 2012 Annual Meeting! Located in the Washington State Convention Center, Exhibit Hall 6A, the Silent Auction will support externship scholarships for veterinary students exploring veterinary pathology as a career.

Visit the Silent Auction to place your bid on a treasure trove of items contributed by ACVP members and exhibitors. Silent Auction bids will be closed at 10:30 a.m. on Tuesday, December 4. The highest bids/bidders will be announced on Tuesday afternoon at the Silent Auction area. Plan to pickup your Silent Auction item at the ACVP Registration Desk located on the Sixth Level Foyer at the Washington State Convention Center prior to 1:00 p.m. on Wednesday, December 5.
PROGRAM EVALUATION

A link to the evaluation form will be emailed to you after the meeting is over. Please complete the survey online. The Education Committee and Council review the comments and suggestions for use in future meetings. **Complete your form by December 22 to be eligible to win a complimentary registration to the 2013 Annual Meeting in Montréal!**

MICROSCOPES AND SLIDE REVIEW SESSIONS

**Mystery Slide Review and Neuropathology Case Presentations**
Sunday, December 2 from 7:30 p.m.–9:30 p.m. in Room 615, Washington State Convention Center. Slide sets will be available for viewing in Exhibit Hall 6A on Sunday, December 2 from 9:30 a.m.–4:30 p.m. Microscopes will be available at Room 615 one hour prior to the session.

**Mystery Slide Review: Liver Pathology**
Monday, December 3 from 7:00 p.m.–9:00 p.m. in Room 615, Washington State Convention Center. Slide sets will be available for review in Exhibit Hall 6A on Sunday and Monday. Microscopes will be available at Room 615 one hour prior to the session.

**ASVCP Case Review Session**
Tuesday, December 4 from 1:30 p.m.–5:00 p.m. in Room 607, Washington State Convention Center. Slide sets will be available for review in Exhibit Hall 6A at the Washington State Convention Center on Sunday and Monday. Please be sure to leave the slide sets intact when you are finished so that others can review them too.

Thanks to Nikon for providing the microscopes!

You can preview the Mystery Slide Session slides by going to [www.scanscope.com](http://www.scanscope.com) and clicking on the ACVP folder. The folder contains three subfolders:

- Free Imagescope Download
- Mystery Slide Neuropathology Cases
- Mystery Slide Liver Pathology Cases

Viewing is available for all PC and Mac users with WebViewer.

ACVP thanks Aperio Technologies for facilitating the slide previews!
SPOUSE/GUEST REGISTRATION

Registration of a guest or spouse is $65. This admits your guest to the ACVP Presidential Reception on Tuesday evening if they were pre-registered and indicated an interest in going. It also allows them access to the other social activities at the meeting; as well as the Student/Guest Hospitality Area in the Columbia Room at the Sheraton Seattle Hotel.

If you have any questions, please visit the ACVP Registration Area at the Sixth Level Foyer at the Washington State Convention Center.

STUDENT AND GUEST HOSPITALITY AREA

The Student and Guest Hospitality area will be open at the following times in the Columbia Room at the Sheraton Seattle Hotel:

Sunday, December 2 ............................... 8:00 a.m.–5:00 p.m.
Monday, December 3 ............................ 8:00 a.m.–5:00 p.m.
Tuesday, December 4 ............................ 8:00 a.m.–5:00 p.m.
Wednesday, December 5 ...................... 8:00 a.m.–11:00 a.m.

Meet friends and other guests in this area – all students are welcome.

MESSAGE CENTER

All messages for registrants will be posted on the Message Board in the ACVP Registration Area. If you are looking for someone at the meeting and can’t catch up with them, leave a message on the board. Be sure to take the time to check this board each day so you don’t miss a contact in Seattle or a message from the office!
The Seventh Annual Very Important Pathologist Program is designed to give ACVP emeritus members, and those with 25+ years of certification, an opportunity to visit with old friends and colleagues, hear about the direction of the College, learn more about the history and local lore of the Annual Meeting site, and, of course, participate in the educational offerings of the scientific program at the Annual Meeting.

Tuesday, December 4
9:00 a.m.–4:00 p.m.
Meet in the Sheraton Seattle Hotel Lobby at 8:45 a.m.

Schedule of Events
9:00 a.m.: Depart from the Sheraton Seattle Hotel
9:15 a.m.: Tour the Seattle Aquarium
12:00 noon: Lunch at Ivar’s
1:15 p.m.: Tour Chihuly Garden and Glass
4:00 p.m.: Arrive back at the Sheraton Seattle Hotel

Program Cost: $100 per person. (Participants must also register to attend the Annual Meeting.)

The ACVP/ASVCP Proceedings will be available online (after the meeting) at the International Veterinary Informational Service website (www.ivis.org). The IVIS library also includes veterinary textbooks and proceedings of major national and international veterinary organizations. Access to the IVIS Website is free, however, it is reserved for members of the veterinary community (practicing veterinarians, veterinary students, and technicians and scientists active in animal health). First time visitors are required to complete a short registration form. Plan to visit the site in February to access the 2012 Proceedings!
2013 CALL FOR ABSTRACTS DEADLINE

June 3, 2013

FUTURE ANNUAL MEETING DATES AND SITES

2013 Annual Meeting
November 16–20, 2013
Montréal Convention Center, Montréal, Quebec, Canada

2014 Annual Meeting
November 8–12, 2014
Marriott Marquis Hotel, Atlanta, Georgia, USA

2015 Annual Meeting
Combined with the Society of Toxicologic Pathology
October 17–21, 2015
Minneapolis Convention Center, Minneapolis, Minnesota, USA

COUNCIL RECOGNITION

The following Council Member will soon be ending his term. The Council extends their gratitude to this dedicated volunteer.

Derek A. Mosier, DVM, PhD*

ACVP COUNCIL

President
Claire B. Andreasen, DVM, PhD*

Vice President/President Elect
Maxey L. Wellman, DVM, PhD*

Secretary Treasurer
Michael J. Topper, DVM, PhD*

Immediate Past President
Derek A. Mosier, DVM, PhD*

Councilors
Anne M. Barger, DVM*
Cory F. Brayton, DVM, PhD*
David E. Malarkey, DVM, PhD*
R. Mark Simpson, DVM, PhD*
ASVCP EXECUTIVE BOARD

President
Leslie Sharkey, DVM, PhD*

Immediate Past President
Kirstin Barnhart, DVM, PhD*

President-Elect
Marilyn S. Whitney, DVM, PhD*

2nd Year Board Member
Anne Provencher Bolliger, DVM, MSc, DECVCP*

1st Year Board Member
Jeffery McCartney, DVM*

Secretary
Robin W. Allison, DVM, PhD*

Treasurer
Dori Borjesson, DVM, PhD*

EXHIBITORS

Exhibits are located in Exhibit Hall 6A at the Washington State Convention Center. All refreshment breaks, poster sessions, and the Silent Auction are located there too. Plan time in your schedule to visit the exhibits!

Open hours:
Saturday, December 1 .........................7:00 p.m.–8:30 p.m.
Opening Reception and Focused Scientific Poster Session
Sunday, December 2 ...........................9:30 a.m.–4:30 p.m.
Monday, December 3 ...........................9:30 a.m.–1:00 p.m.
Tuesday, December 4 ..........................9:30 a.m.–3:30 p.m.

See page 129 of this final program book for a listing of exhibiting companies.
<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting Name</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRIDAY, NOVEMBER 30</strong></td>
<td>ASVCP Executive Board</td>
<td>1:00 p.m.–9:00 p.m.</td>
<td>Alki Boardroom, Sheraton Hotel (4th floor, Pike Street Tower)</td>
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<tr>
<td></td>
<td>Council</td>
<td>8:00 a.m.–5:00 p.m.</td>
<td>Room 209, WSCC#</td>
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<tr>
<td></td>
<td>ACVP Council and ASVCP Executive Board Meeting</td>
<td>12:00 noon–1:30 p.m.</td>
<td>Cirrus, Sheraton Hotel (35th Floor, Pike Street Tower)</td>
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<td></td>
<td>Veterinary Pathology Editors Luncheon</td>
<td>12:00 noon–2:00 p.m.</td>
<td>Boren, Sheraton Hotel (4th Floor, Union Street Tower)</td>
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<tr>
<td></td>
<td>ACVP Education Committee</td>
<td>3:00 p.m.–7:30 p.m.</td>
<td>Columbia, Sheraton Hotel (4th Floor, Union Street Tower)</td>
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<tr>
<td></td>
<td>ASVCP Executive Board and Committees</td>
<td>4:00 p.m.–6:00 p.m.</td>
<td>Greenwood, Sheraton Hotel (3rd Floor, Main Building)</td>
</tr>
<tr>
<td></td>
<td>Exam Committee</td>
<td>6:00 p.m.–9:00 p.m.</td>
<td>Issaquah, Sheraton Hotel (3rd Floor, Main Building)</td>
</tr>
<tr>
<td></td>
<td>ASVCP Education Committee</td>
<td>8:00 p.m.–9:00 p.m.</td>
<td>Boren, Sheraton Hotel (4th Floor, Union Street Tower)</td>
</tr>
<tr>
<td><strong>SUNDAY, DECEMBER 2</strong></td>
<td>ASVCP Outreach Committee</td>
<td>7:00 a.m.–8:00 a.m.</td>
<td>Richmond Boardroom, Sheraton Hotel (4th Floor, Pike Street Tower)</td>
</tr>
</tbody>
</table>
ASVCP Web Editorial Board
7:00 a.m.–8:00 a.m.
Boren, Sheraton Hotel (4th Floor, Union Street Tower)

Intersociety Experimental Pathology (IEP) Committee
7:00 a.m.–8:00 a.m.
Ravenna C, Sheraton Hotel (3rd Floor, Main Building)

Veterinary Pathology Editorial Board Meeting
8:00 a.m.–9:30 a.m.
Ravenna A, Sheraton Hotel (3rd Floor, Main Building)

Council
8:00 a.m.–5:00 p.m.
Room 209, WSCC#

ACVP Test Plan Group
8:00 a.m.–6:00 p.m.
Seneca, Sheraton Hotel (4th Floor, Union Street Tower)

Veterinary Clinical Pathology Editorial Board Luncheon
12:00 noon–1:30 p.m.
Juniper, Sheraton Hotel (2nd Floor, Main Building)

Training Program Network
12:00 noon–1:30 p.m.
Aspen, Sheraton Hotel (2nd Floor, Main Building)

Government Policy Committee
1:00 p.m.–2:00 p.m.
Richmond Boardroom, Sheraton Hotel (4th Floor, Pike Street Tower)

Congress of Committees
2:30 p.m.–4:30 p.m.
Ravenna, Sheraton Hotel (3rd Floor, Main Building)

MONDAY, DECEMBER 3

Council and Exam Committee
7:00 a.m.–8:00 a.m.
Willow, Sheraton Hotel (2nd Floor, Main Building)

ASVCP Quality Assurance and Standards Committee
7:00 a.m.–8:00 a.m.
Aspen, Sheraton Hotel (2nd Floor, Main Building)

ASVCP Program Committee
7:00 a.m.–8:00 a.m.
Issaquah A, Sheraton Hotel (3rd Floor, Main Building)

Corporate Partners Committee
7:00 a.m.–8:00 a.m.
Issaquah A, Sheraton Hotel (3rd Floor, Main Building)
Domestic Alliances Committee
7:00 a.m.–8:00 a.m.
Ravennah A, Sheraton Hotel (3rd Floor, Main Building)

Training Program Committee
7:00 a.m.–8:00 a.m.
Ravennah B, Sheraton Hotel (3rd Floor, Main Building)

Certifying Examination Board
7:00 a.m.–9:00 a.m.
Richmond Boardroom, Sheraton Hotel (4th Floor, Pike Street Tower)

Council and Education Committee
12:15 p.m.–1:15 p.m.
Willow, Sheraton Hotel (2nd Floor, Main Building)

MOCDC Advisory Group Meeting
3:15 p.m.–4:45 p.m.
Willow, Sheraton Hotel (2nd Floor, Main Building)

TUESDAY, DECEMBER 4

ASVCP Veterinary Laboratory Professionals Program Committee
7:00 a.m.–8:00 a.m.
Aspen, Sheraton Hotel (2nd Floor, Main Building)

ACVP Web, Newsletter, and Social Media Group
7:00 a.m.–8:00 a.m.
Richmond Boardroom, Sheraton Hotel (4th Floor, Pike Street Tower)

Lifelong Learning
7:00 a.m.–8:00 a.m.
Issaquah A, Sheraton Hotel (3rd Floor, Main Building)

ACVP Maintenance of Certification Development Committee
7:00 a.m.–9:00 a.m.
Room 310, WSCC#

ACVP Awards Committee
7:00 a.m.–8:00 a.m.
Willow B, Sheraton Hotel (2nd Floor, Main Building)

Oncology Committee
7:00 a.m.–8:00 a.m.
Ravenna, Sheraton Hotel (3rd Floor, Main Building)

International Alliances Committee
7:00 a.m.–8:00 a.m.
Juniper, Sheraton Hotel (2nd Floor, Main Building)
Council
8:00 a.m.–5:00 p.m.
Room 209, WSCC#

WEDNESDAY, DECEMBER 5

Focused Scientific Groups
7:00 a.m.–8:00 a.m.
Willow, Sheraton Hotel (2nd Floor, Main Building)

Certifying Examination Board
7:00 a.m.–8:00 a.m.
Cedar A, Sheraton Hotel (2nd Floor, Main Building)

Council
8:00 a.m.–12:00 noon
Room 209, WSCC#

CONCURRENT EVENTS

SATURDAY, DECEMBER 1

Japanese Group of ACVP (JaGA)
8:00 p.m.–10:00 p.m.
Medina, Sheraton Hotel (3rd Floor, Main Building)

SUNDAY, DECEMBER 2

Veterinary Student Breakfast+
7:00 a.m.–8:00 a.m.
Aspen, Sheraton Hotel (2nd Floor, Main Building)

Pathology Chairs Breakfast+
7:00 a.m.–9:00 a.m.
Cedar, Sheraton, Hotel (2nd Floor, Main Building)

ASVCP/IDEXX Clinical Pathology Trainee Reception+
12:00 noon–1:30 p.m.
Cirrus Ballroom, Sheraton Hotel (35th Floor, Pike Street Tower)

COPS Group
12:00 noon–1:30 p.m.
Greenwood, Sheraton Hotel (3rd Floor, Main Building)

Council and New Diplomates Reception+
5:00 p.m.–6:00 p.m.
Willow B, Sheraton Hotel (2nd Floor, Main Building)
Cornell University College of Veterinary Medicine Alumni Reception
7:00 p.m.–9:00 p.m.
Willow A, Sheraton Hotel (2nd Floor, Main Building)

Antech Diagnostics Reception+
7:30 p.m.–9:30 p.m.
Cirrus Ballroom, Sheraton Hotel (35th Floor, Pike Street Tower)

North Carolina State University College of Veterinary Medicine Alumni Reception
7:30 p.m.–9:30 p.m.
Greenwood, Sheraton Hotel (3rd Floor, Main Building)

Washington State University College of Veterinary Medicine Alumni Reception
7:30 p.m.–9:30 p.m.
Willow B, Sheraton Hotel (2nd Floor, Main Building)

MONDAY, DECEMBER 3

The Latin Comparative Pathology Group Presents
12:15 p.m.–2:00 p.m.
Room 614, WSCC#

Veterinary Student and Resident Forum
3:00 p.m.–5:00 p.m.
Metropolitan B, Sheraton Hotel (2nd Floor, Main Building)

C.L. Davis Foundation Reception+
5:00 p.m.–6:30 p.m.
Metropolitan A, Sheraton Hotel (2nd Floor, Main Building)

ASVCP Reception (open to ASVCP members)
5:15 p.m.–6:45 p.m.
Cirrus Ballroom, Sheraton Hotel (35th Floor, Pike Street Tower)

Council and Corporate Partners Reception+
6:00 p.m.–7:00 p.m.
Cedar, Sheraton Hotel (2nd Floor, Main Building)

University of Georgia College of Veterinary Medicine Alumni Reception
6:30 p.m.–8:00 p.m.
Leschi, Sheraton Hotel (3rd Floor, Main Building)

Iowa State University College of Veterinary Medicine Alumni Reception
6:30 p.m.–8:00 p.m
Kirkland, Sheraton Hotel (3rd Floor, Main Building)
University of California-Davis College of Veterinary Medicine Alumni Reception
7:00 p.m.–9:00 p.m.
Issaquah, Sheraton Hotel (3rd Floor, Main Building)

Ohio State University College of Veterinary Medicine Alumni Reception
7:00 p.m.–9:00 p.m.
Willow, Sheraton Hotel (2nd Floor, Main Building)

Colorado State University College of Veterinary Medicine Alumni Reception
7:00 p.m.–9:00 p.m.
Ravenna, Sheraton Hotel (3rd Floor, Main Building)

TUESDAY, DECEMBER 4

ACVP Legacy Society Breakfast
7:00 a.m.–8:00 a.m.
Issaquah, Sheraton Hotel (3rd Floor, Main Building)

International Veterinary Pathology Coalition
8:00 a.m.–10:00 a.m.
Willow A, Sheraton Hotel (2nd Floor, Main Building)
(attendance by RSVP only)

Very Important Pathologist Program
9:00 a.m.–4:00 p.m.
Meet in the Sheraton Seattle Hotel Lobby at 8:45 a.m.

Pathology Trainee Appreciation Luncheon
12:00 noon–1:30 p.m.
Metropolitan A, Sheraton Hotel (3rd Floor, Main Building)
(attendance by RSVP only)

The Latin Comparative Pathology Group Business Meeting+
12:00 noon–1:30 p.m.
Capital Hill, Sheraton Hotel (3rd Floor, Main Building)

ACVP/STP Coalition for Veterinary Pathology Business Luncheon+
12:15 p.m.–1:30 p.m.
Metropolitan B, Sheraton Hotel (3rd Floor, Main Building)

ACVP/STP Coalition for Veterinary Pathology Fellows Board of Governors Meeting+
1:30 p.m.–3:30 p.m.
Aspen, Sheraton Hotel (2nd Floor, Main Building)

Presidential Reception
7:00 p.m.–9:30 p.m.
Grand Ballroom, Sheraton Hotel (2nd Floor, Main Building)
To ensure the safety and security of our attendees and guests, we have composed the following list of safety rules and guidelines for this conference.

1. In case of an emergency while at the Sheraton Seattle Hotel, please dial 3333. Security will respond, evaluate the emergency, and notify the proper authorities.

At the Washington State Convention Center, please dial 5127 from any house phone, pick up a red phone (dials direct to Security Control), or ask any Convention Center employee for assistance.

2. For emergency aid of any kind, call 911 from any telephone outside of the hotel/center grounds.

At the Washington State Convention Center, please contact Security Control immediately. Security Control can be contacted by dialing extension 5127 from any house phone located in the facility. In addition, there are red “hot line” phones located around the facility that are direct lines to Security Control when the handset is picked up. Any WSCC personnel can also assist you. Contacting Security Control will greatly minimize response time in the event an emergency medical unit has to be dispatched to the Convention Center. Security personnel can quickly assess the situation, dial 911 and lead emergency personnel directly to the individual in need, saving precious minutes. For this reason, WSCC requests that our clients and guests NOT contact 911 directly.

3. Review fire safety procedures located on the door in your hotel room at the Sheraton.

If an alarm is activated at the Washington State Convention Center, a series of three short alarm tones will be heard followed by a brief pause, with this sequence repeating throughout the activation in the affected area(s). The strobe lights on the walls will also be activated. All occupants of the affected area(s) should immediately proceed to the nearest exit and leave the facility. If the activation is caused by a false alarm our staff will notify all guests that the building is safe to re-enter. Note the location of the fire exits in relationship to your location. In case of emergency, all elevators will become inoperative, but all escalators on the South side of the building (Level 4-6 and South Galleria Levels 1-4) will remain operational.

4. Ask at the Sheraton Hotel front desk or concierge desk about the neighborhood around the hotel so you know what streets to avoid. Be aware of your surroundings while walking around downtown. Like any major city, Seattle is not immune from crime. Exercise caution at all times.
5. When inside the conference venue, nametags should be worn and visibly displayed at all times. You will not be allowed to enter meeting rooms or exhibit areas without them. For security reasons, we recommend that you DO NOT wear your badge outside of the conference venue. If you lose your badge, please notify registration immediately. Walk in groups or take a taxi if walking long distances at night.

6. Don’t answer the door in your hotel room without verifying who it is. If a person claims to be an employee, call the front desk and ask if someone from their staff is instructed to perform a work task in your room.

7. When returning to your hotel late in the evening, use the main entrance. Be observant and look around before entering parking lots.

8. Close the door securely whenever you are in your hotel room and use all of the locking devices provided.

9. Place all valuables in the hotel’s safe deposit box or your in-room safe.

10. Do not leave any items of value in your vehicle in the parking lot.

11. Please do not leave any bags or articles unsecured in any display area, meeting room, or public area.

12. If you note any suspicious article, packages, persons, or activity please contact the ACVP staff or security immediately.

13. Do not give your lodging information to any person.

14. If you see a demonstration or protest beginning, please contact any member of the Annual Meeting staff or security. They will initiate our Demonstration Response Plan. If you see actions that appear threatening, contact security at once.

15. Do NOT open any fire exit or other access door to any person. Access to the conference is strictly for members and registered conference guests. All access to display areas and meetings is through the appropriate entrance doors.

16. Attendees at this conference are expected to maintain a level of decorum appropriate to the nature and purpose of our meeting. While exchange and debate is welcome where appropriate, any person who is disruptive or abusive in language or manner will be removed and barred from further conference proceedings.

Thank you for attending this meeting, and we hope you enjoy your experience.
WASHINGTON STATE CONVENTION CENTER - LEVEL 6

Exhibit Hall, Posters, & Silent Auction

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6B

6C

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Suite A

Terrace

East Lobby

Registration

Career Center

Internet Station

Speaker Ready Room
Saturday, December 1, 2012

7:00 a.m.–7:30 p.m.  East Lobby, Sixth Floor, WSCC
Registration Open

8:00 a.m.–5:30 p.m.  Room 607, WSCC
ASVCP Pre-Meeting Workshop
Promoting a Culture of Quality in Your Laboratory
Setting
(available at an additional fee)

8:00 a.m.–5:00 p.m.  Room 613, WSCC
C.L. Davis Foundation Pre-Meeting Workshop
Birds Do It...Bees Do It.... A Primer on Diagnostic
Reproductive Pathology
(available at an additional fee)

8:00 a.m.–6:00 p.m.  Room 608, WSCC
Pre-Meeting Workshop
Mouse Modeling and Phenotyping: What You Need to
Know to Survive in a Mutant World
(available at an additional fee)

This Pre-Meeting Workshop is supported by Charles River.

12:00 noon–7:00 p.m.  Room 620, WSCC
Speaker Ready Room

1:00 p.m.–8:30 p.m.  Room 618, WSCC
Career Center

1:00 p.m.–8:30 p.m.  Room 619, WSCC
Internet Station

5:00 p.m.–7:00 p.m.  Room 603, WSCC
Getting Published: Veterinary Pathology Demystified
A Joint ACVP/ECVP Mini-Symposium
Session Chair: Carl Alden, DVM*

5:00 p.m.–5:05 p.m.
Introductory Remarks, Editor-in-Chief
Carl Alden, DVM*

5:05 p.m.–5:15 p.m.
Comments From the Managing Editor: Author’s Top
Three Questions
Jill Findlay, BA

5:15 p.m.–6:00 p.m.
Picture-Perfect Illustrations: Tips From the Photo
Editors
Silvia Ferro, DVM
Debbie Gillette, DVM, PhD*
Linda Herosian
6:00 p.m.–6:10 p.m.
The New “Pathology in Context” Column
Linda Johnson, DVM, MPH

6:10 p.m.–6:20 p.m.
Ethics in Manuscript Preparation and Publishing
Rani Sellers, DVM, PhD*

6:20 p.m.–6:30 p.m.
Wildlife, Marine, and Zoo Animal Manuscripts: Advice From the Section Editor
Judy St. Leger, DVM*

6:30 p.m.–6:45 p.m.
Diagnostic Pathology Manuscripts: Advice From the Section Editor
Margaret Miller, DVM, PhD*

6:45 p.m.–7:00 p.m.
Manuscript Prep for English as a Second Language Authors
Andrea Gröne, DVM, PhD, DECVP

6:00 p.m.–8:00 p.m. Room 615, WSCC
ASVCP Teaching Clinical Pathology: Resident Training and Technology

7:00 p.m.–8:30 p.m. Exhibit Hall 6A, WSCC
Opening Reception
Focused Scientific Poster Session and Veterinary Student Posters
Exhibits
Silent Auction
7:00 a.m.–8:00 a.m.
Committee Meetings

7:00 a.m.–8:00 a.m. Aspen, Sheraton Hotel
Veterinary Student Breakfast
(All students are welcome.)

7:00 a.m.–9:00 a.m. Cedar, Sheraton Hotel
Pathology Chair Breakfast
(by invitation only)

7:00 a.m.–5:00 p.m. East Lobby, Sixth Floor, WSCC
Registration Open

7:00 a.m.–6:00 p.m. Room 620, WSCC
Speaker Ready Room

7:00 a.m.–7:30 p.m. Room 619, WSCC
Internet Station

8:00 a.m.–5:00 p.m. Columbia, Sheraton Hotel
Student and Guest Hospitality Room

8:00 a.m.–12:00 noon. Room 607, WSCC
ASVCP Education Symposium
Veterinary Clinical Pathology: Infectious Disease and Expanding Worldview
Session Chair: Jennifer Neel, DVM*

8:00 a.m.–8:05 a.m.
Introduction

8:05 a.m.–8:55 a.m.
Global Health, Veterinary Medicine, and Social Justice
Guy Palmer, DVM, PhD*

8:55 a.m.–9:45 a.m.
Pathophysiology and Diagnosis of Canine Leishmaniasis
Saverio Paltrinieri, DVM, PhD, DECVCP

9:45 a.m.–10:15 a.m. Exhibit Hall 6A, WSCC
Refreshment Break

10:15 a.m.–11:05 a.m.
Biomarkers of Sepsis in Small Animals
Amy DeClue, DVM, MS, DACVIM (SAIM)
11:05 a.m.–12:00 p.m.
A New Era in Veterinary Vaccine Development:
Cytauxzoon felis Genome Sequencing, Microarrays and
the Use of Humans as Models for Animal Disease
Jaime Tarigo, DVM*

8:00 a.m.–12:00 noon.......................... Room 603, WSCC
Career Development
New Perspectives on Leadership: Adapting and Excelling
in a Changing Work World
Session Chair: Keith Harris, DVM*

8:00 a.m.–8:10 a.m.
Introduction and Welcome
Keith Harris, DVM*

8:10 a.m.–9:20 a.m.
Help With the Hard Work of Leading: Adaptive
Leadership and New Approaches to Organizations
Darcy Shaw, DVM, MVSc, MBA, DACVIM*

9:20 a.m.–9:45 a.m.
Call the Vet—She’ll Do It
Jo Lynne W. Raymond, DVM*

9:45 a.m.–10:10 a.m. ................. Exhibit Hall 6A, WSCC
Refreshment Break

10:10 a.m.–10:35 a.m.
Changing the Face of Preclinical Safety: Evolution or
Revolution?
Ruth Lightfoot-Dunn, BVetMed, PhD, CertVOphthal,
FRCPath

10:35 a.m.–11:00 a.m.
Adapting to Challenges in the CRO Environment
Stephen K. Durham, DVM, PhD*

11:00 a.m.–11:25 a.m.
Adaptive Leadership in Academia
Willie Reed, DVM, PhD, DACPV*

11:25 a.m.–11:50 a.m.
Roundtable and Q&A

11:50 a.m.–12:00 noon
Wrap-Up
Keith Harris, DVM*
8:00 a.m.–12:00 noon.......................... Room 608, WSCC
Mini-Symposium
Pillars of Pathology
Session Chair: Jerry Ritchey, DVM, PhD*

8:00 a.m.–8:05 a.m.
Introduction

8:05 a.m.–8:55 a.m.
Pillars of Pathology: Gross Pathology
John M. King, DVM, PhD*

8:55 a.m.–9:45 a.m.
Pillars of Pathology: Tumor Pathology
Donald J. Meuten, DVM, PhD*

9:45 a.m.–10:15 a.m. ............... Exhibit Hall 6A, WSCC
Refreshment Break

10:15 a.m.–11:05 a.m.
Pillars of Pathology: Clinical Pathology
Mary Anna Thrall, DVM*

11:05 a.m.–11:55 a.m.
Pillars of Pathology: Laboratory Animal Pathology
Stephen W. Barthold, DVM, PhD*

11:55 a.m.–12:00 noon
Closing Remarks

This session is being videotaped for future broadcast on
the Members Only section of the ACVP website.

8:00 a.m.–12:00 noon.......................... Room 614, WSCC
Industrial and Toxicologic Pathology Focused
Scientific Session I
Session Chair: Mark Hoenerhoff, DVM, PhD*
Committee Members: C. Colleton, M. Conner, W. Dochterman (Past Chair), D. Ennulat, V. Sasseville, M. Sebastian (Co-Chair), and B. Singh

Platform Presentations:

8:00 a.m.–8:10 a.m.
Opening Remarks

Invited Speaker
8:10 a.m.–9:00 a.m.
CHALLENGES IN THE DEVELOPMENT OF INHALED AEROSOL THERAPEUTICS
T. McGovern
9:00 a.m.–9:20 a.m.
ZONULAR LIGAMENT DYSPLASIA IN A CANINE MODEL OF PRIMARY OPEN ANGLE GLAUCOMA
L.B.C. Teixeira
Keyword: Eye and Ear

9:20 a.m.–9:40 a.m.
NONCLINICAL SAFETY EVALUATION OF THE PROPOSED BIOSIMILAR RITUXIMAB-PFIZER IN CYNOMOLGUS MONKEYS
A.M. Ryan
Keyword: Toxicologic Pathology

9:40 a.m.–10:30 a.m. ................. Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!

Invited Speaker
10:30 a.m.–11:20 a.m.
DEVELOPMENTAL NEUROTOXICITY—DELIGHTS, DESIGNS, AND (AVOIDING) DISASTERS
B. Bolon

11:20 a.m.–11:40 a.m.
NANOTECHNOLOGY IN PHOTODYNAMIC DIAGNOSIS AND THERAPY FOR CANINE TRANSITIONAL CELL CARCINOMA
T.-Y. Lin
Keyword: Urinary System

11:40 a.m.–12:00 p.m.
OSU-CG5 MODULATES PROSTATE CANCER CELL METABOLISM AND SUPPRESSES XENOGRAFT TUMOR GROWTH WITHOUT EVIDENCE OF SYSTEMIC TOXICITY
L.D. Berman-Booty
Keyword: Toxicologic Pathology

This session is supported by Genentech.

8:00 a.m.–12:00 noon........................ Room 612, WSCC
Natural Disease Focused Scientific Session I
Session Chair: Bradley Njaa, BSc, DVM, MVSc*
Committee Members:  G. Haldorson, I. Langohr, T. LeRoith (Past Chair), A. Miller, and J. Teifke (Co-Chair)

Platform Presentations:

8:00 a.m.–8:15 a.m.
2011 NORTHERN PINNIPEDS UME IN THE ARCTIC AND BERING STRAIT REGIONS OF ALASKA, USA
K.A. Burek-Huntington
Keyword: Wildlife

* ACVP Diplomate
8:15 a.m.–8:30 a.m.  
INCREASED MORTALITY IN A COLONY OF ZEBRA FINCHES EXPOSED TO CONTINUOUS LIGHT  
J.M. Snyder, D. Newsom, and P. Treuting  
Keyword: Avian

8:30 a.m.–8:45 a.m.  
SYSTEMIC SERUM AMYLOID A (SAA) AMYLOIDOSIS IN ENDANGERED ISLAND FOXES (UROCYON LITTORALIS)  
Keyword: Wildlife

8:45 a.m.–9:00 a.m.  
NECROSUPPURATIVE POLYARTHRITIS ASSOCIATED WITH A NOVEL POXVIRUS IN BIG BROWN BATS (EPETESICUS FUSCUS)  
M.M. Garner, J. Huckabee, and R. Nordhausen  
Keyword: Infectious Disease

9:00 a.m.–9:15 a.m.  
OUTBREAK OF SIADENOVIRUS INFECTION IN A CAPTIVE COLONY OF BUDGERIFARS (SAIMIRI SCIUREUS)  
N. Wakamatsu, R. MacLean, C. Field, H. Fukushi, and H. Beaufrere  
Keyword: Avian

Invited Speaker  
9:15 a.m.–10:00 a.m.  
EQUINE HERPESVIRUS TYPE 1 AND ITS VIRULENCE FACTOR TOOLBOX  
K. Osterrieder

10:00 a.m.–10:30 a.m. ............... Exhibit Hall 6A, WSCC  
Refreshment Break—Visit the Posters and Exhibits!

10:30 a.m.–10:45 a.m.  
POLIOENCEPHALOMALACIA SECONDARY TO HYPERNATREMIA IN SQUIRREL MONKEYS (SAIMIRI SCIUREUS)  
S.M. Cummings Marci, J.S. Lane, A.F. Hoggart, A.M. Crowell, M.S. Fenn, S.V. Westmoreland, and A.D. Miller  
Keyword: Primates

10:45 a.m.–11:00 a.m.  
A NOVEL POLYOMAVIRUS ASSOCIATED WITH BRAIN TUMORS IN FREE-RANGING RACCOONS  
P. Pesavento, F.D. Cruz Jr., F. Giannitti, L. Woods, L. Del Valle, L. Li, and E. Delwart  
Keyword: Neoplasia
THE PATHOGENESIS OF RUT-ASSOCIATED BRAIN ABSCESSES IN MALE WHITE-TAILED DEER
M.K. Keel, K. Miller, B. Cohen, E. Belser, and D. Osborne
Keyword: Infectious Disease

HEPATIC ENCEPHALOMYELOPATHY IN 10 GOAT KIDS ASSOCIATED WITH CONGENITAL PORTOSYSTEMIC SHUNTING (CPSS)
H. Kinde, P. Pesavento, J. Adaska, B. Barr, M. Anderson, A.P. Loretti, and M. Jones
Keyword: Nervous System

Invited Speaker
11:30 a.m.–12:00 noon
DYFUNCTIONAL IMMUNITY DURING ACUTE AND PERSISTENT BOVINE ANAPLASMOSIS
W. Brown

9:00 a.m.–5:00 p.m. Room 618, WSCC
Career Center

9:30 a.m.–4:30 p.m. Exhibit Hall 6A, WSCC
Exhibits Open
Focused Scientific Poster Session and Veterinary Student Posters
Silent Auction

12:00 noon–1:30 p.m. Cirrus Ballroom, Sheraton Hotel
IDEXX/ASVCP Clinical Pathology Trainee Reception
(by invitation only)

Emerging Disease Focus Seminar
Discovery of an Oncogenic Gammaherpesvirus in Canine Lymphoma
Nicola Mason, BVetMed, PhD, DACVIM

This session is being videotaped for future broadcast on the Members Only section of the ACVP website.

12:30 p.m.–4:30 p.m. Room 614, WSCC
ASVCP Veterinary Laboratory Professionals Session I
Session Chair: Nicole Rosen, MT(ASCP)

12:30 p.m.–1:00 p.m.
Welcome to Attendees and Announcements
1:00 p.m.–2:00 p.m.
Avoiding Transfusion Reactions: Evaluation of a Commercially Available Cross-Matching Kit
Dania Villarnovo, BSc, DVM

2:00 p.m.–3:00 p.m.
Practical Guide to the Microscopic and Molecular Identification of Tick-Borne Infections of Dogs and Cats
Jaime Tarigo, DVM*

3:00 p.m.–3:30 p.m. .................. Exhibit Hall 6A, WSCC
Refreshment Break

3:30 p.m.–4:10 p.m.
Differentials: A Standardized Approach
Laura Keener, MT

4:10 p.m.–4:30 p.m.
A Case of Ostrich Eye Parasites
Laura Keener, MT

1:30 p.m.–4:30 p.m. .................. Room 612, WSCC
Clinical Pathology Focused Scientific Session I
Session Chair: Marlyn S. Whitney, DVM, PhD*
Committee Members: J. Christian, M. Fry, M. Nabity, and C. Wiedmeyer

Platform Presentations:

**Invited Speaker**
1:30 p.m.–2:30 p.m.
INFECTIONS OF DOG AND CAT BLOOD CELLS
J.W. Harvey
Sponsored by the International Society for Animal Clinical Pathology.

2:30 p.m.–2:45 p.m.
LARGE GRANULAR LYMPHOCYTES AND CD8+ FAS+ LYMPHOCYTES ARE ONE AND THE SAME IN THE FELINE ANALOGUE OF HIV: IMPLICATIONS FOR HUMAN DISEASE?
W.S. Sprague, C. Apetrei, A.C. Avery, and S. VandeWoude
Keyword: Immune System, Abstract Number 1

2:45 p.m.–3:00 p.m.
CD4 T CELL LYMPHOMA IN DOGS IS A DISCRETE NEOPLASM WITH UNIFORM CLINICAL CHARACTERISTICS
P. Avery, R. Elmslie, E.J. Ehrhart, S. Correa, and A. Avery
Keyword: Neoplasia, Abstract Number 2
3:00 p.m.–3:30 p.m. ........................ Exhibit Hall 6A, WSCC
  Refreshment Break—Visit the Posters and Exhibits!

3:30 p.m.–3:45 p.m.
DETERMINATION OF ACCURATE SERUM WATER
FRACTIONS IN NORMOPROTEINEMIC DOGS AND
CATS
K.S. Santangelo, N.A. Tebbe, and M.J. Radin
Keyword: Clinical Chemistry, Abstract Number 3

3:45 p.m.–4:00 p.m.
EFFEC OF BILIRUBIN ON THE DETERMINATION OF
REFRACTOMETRIC AND BIURET TOTAL PROTEIN
CONCENTRATIONS
A. Gupta and S.L. Stockham
Keyword: Clinical Pathology, Abstract Number 4

4:00 p.m.–4:15 p.m.
UTILITY OF RETICULOCYTE PARAMETERS IN DOGS
TO DISTINGUISH IRON DEFICIENCY ANEMIA, ANEMIA
OF INFLAMMATORY DISEASE, AND MICROCYTOSIS
DUE TO PORTOSYSTEMIC SHUNTING
D.M.W. Schaefer
Keyword: Clinical Pathology, Abstract Number 5

4:15 p.m.–4:30 p.m.
HYPERLIPIDEMIA IN DOGS IS CORRELATED
WITH INCREASED RED BLOOD CELL OSMOTIC
FRAGILITY: A POTENTIAL LINK BETWEEN LIPIDS AND
THROMBOSIS
E.L. Behling-Kelly and R. Collins-Cronkright
Keyword: Hematology, Abstract Number 6

1:30 p.m.–5:00 p.m.................................. Room 607, WSCC
Diagnostic Pathology Focused Scientific Session I
Session Chair: Francisco Uzal, DVM, MSc, PhD*
Committee Members: B. Lewis (Co-Chair), C. Loehr, A.
Nyaoke, and S. Raverty

Platform Presentations:

1:30 p.m.–1:45 p.m.
FRANCISELLOSIS IN A GROUP OF FAIRY WRASSES
J. Dill*, E. Soto, T. Clauss, A. McDermott, and A. Camus
Keyword: Infectious Disease
1:45 p.m.–2:00 p.m.
CHARACTERIZATION OF MYCOPLASMA-ASSOCIATED POLYARTHRITIS IN FIVE RACCOONS (PROCYON LOTOR) FROM THE SOUTHEASTERN UNITED STATES
N. Nemeth^, B. Munk, M. Ruder, J. McGuire, M.J. Yabsley, and K. Keel
Keyword: Wildlife

2:00 p.m.–2:15 p.m.
PROGNOSTIC SIGNIFICANCE OF HISTOLOGIC FEATURES IN CANINE RENAL CELL CARCINOMAS: 107 CASES
E.F. Edmondson^, A. Ruple, and B.E. Powers
Keyword: Neoplasia

2:15 p.m.–2:30 p.m.
CRYPTOCOCCUS GATTII IN A YAKIMA COUNTY, WA ELK
J.N. Ochoa^, J.B. Stanton, D.S. Bradway, and K.G. Mansfield
Keyword: Infectious Disease

2:30 p.m.–2:45 p.m.
COPPER TOXICOSIS IN NEW ZEALAND WHITE RABBITS (ORYCTOLAGUS CUNICULUS)
C.J. Ramirez^, D.Y. Kim, and T.J. Evans
Keyword: Rabbit

2:45 p.m.–3:00 p.m.
HYPERTROPHIC OSTEOPATHY ASSOCIATED WITH CHRONIC BACTERIAL BRONCHOPNEUMONIA IN THREE WHITE-TAILED DEER (ODOCOILEUS VIRGINIANUS)
C.L. Hodo^, B.C. Lewis, R.R. Pool, and P.J. Wunderlich
Keyword: Wildlife

3:00 p.m.–3:30 p.m. ................. Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!

3:30 p.m.–3:45 p.m.
SELENIUM TOXICOSIS IN A HERD OF PIGS
Keyword: Nervous System

3:45 p.m.–4:00 p.m.
SPONTANEOUS CONGENITAL EPIDERMOLYSIS BULLOSA IN SPRAGUE DAWLEY RATS
Keyword: Skin
4:00 p.m.–4:15 p.m.
LESIONS ASSOCIATED WITH RANAVIRUS INFECTION IN A CAPTIVE POPULATION OF EASTERN BOX TURTLES (TERRAPENE CAROLINA CAROLINA) FROM THE MARYLAND ZOO IN BALTIMORE
Keyword: Infectious Disease

4:15 p.m.–4:30 p.m.
A REVIEW OF SEVEN CASES OF MALIGNANT OLIGODENROGLIOMA IN THE CENTRAL NERVOUS SYSTEM OF DOGS
M.C. Penn, J. Lucas^, and D. Faissler
Keyword: Nervous System

4:30 p.m.–4:45 p.m.
SEVERE LYMPHOCYTIC ENCEPHALITIS IN BROILER CHICKENS: NOT YOUR TYPICAL VIRAL ENCEPHALITIS
S.M. Williams, G. Zavala, E.L. Behnke, and H.S. Sellers
Keyword: Avian

4:45 p.m.–5:00 p.m.
IMAGE ANALYSIS OF THE MODIFIED TETRACHROME METHOD FOR POORLY MINERALIZED OSTEOID IN DOMESTIC ANIMALS
B.G. Caserto
Keyword: Bone and Joint

^Competitor for the ACVP/AAVLD Diagnostic Pathology Travel Award

This session is supported by Antech Diagnostics.

1:30 p.m.–5:00 p.m................................. Room 603, WSCC
Experimental Disease Focused Scientific Session I
Session Chair: Justin Greenlee, DVM, PhD*
Committee Members: K. Gibson-Corley (Co-Chair), S. Monette, R. Read, and C. Zeiss (Past Chair)

Platform Presentations:

**Invited Speaker**
1:30 p.m.–2:30 p.m.
ANTIGEN INDEPENDENT ENHANCEMENT OF IMMUNE CYTOKINE PRODUCTION BY BOVINE INNATE LYMPHOCYTES
M. Jutila
2:30 p.m.—2:45 p.m.
MACROPHAGES AND LYMPHOCYTES SUPPORT THE DEVELOPMENT OF THEILERIA EQUI PREERYTHROCYTIC STAGES, BUT NEITHER B NOR T LYMPHOCYTES ARE REQUIRED TO ESTABLISH INFECTION IN VIVO
Keyword: Infectious Disease

2:45 p.m.—3:00 p.m.
THE ROLE OF ADENOSINE IN THE PULMONARY PATHOPHYSIOLOGY OF EXPERIMENTAL MURINE H1N1 INFLUENZA INFECTION
F. Aeffner*, Z. Traylor, and I.C. Davis
Keyword: Respiratory System

3:00 p.m.—3:30 p.m. .......................... Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!

Invited Speaker
3:30 p.m.—4:15 p.m.
CELLULAR IMMUNE RESPONSES TO EQUINE HERPESVIRUS TYPE 1 IN FOALS AND ADULT HORSES
B. Wagner

4:15 p.m.—4:30 p.m.
GENETIC ABLATION OF MACROPHAGE ARGINASE 1 IMPROVES LATE-STAGE SKELETAL MUSCLE LESION SEVERITY AND ENHANCES VIRAL CLEARANCE IN MOUSE MODEL OF ALPHAVIRUS-INDUCED RHEUMATIC DISEASE
Keyword: Infectious Disease

4:30 p.m.—4:45 p.m.
AN ALLELIC VARIANT OF THE MECHANISTIC TARGET OF RAPAMYCIN (MTOR) INDUCES UPREGULATION OF THREE MIRNAS THAT INTERACT WITH MTOR TARGETS
J. Gary*, S. Zhang, D. Tran, A. Michalowski, and B. Mock
Keyword: Neoplasia

*ACVP Diplomate
ACVP & ASVCP 2012 • Sunday, December 2

4:45 p.m.–5:00 p.m.
SIV INFECTION ALTERS HEPATIC HOMEOSTASIS BY INDUCING M2 ACTIVATION OF MACROPHAGES RESULTING IN STEATOHEPATITIS
S.K. Shanmukhappa\textsuperscript{a}, L. Wachtman, J. MacKey, D. Xia, A. Hachey, K.G. Mansfield, A.D. Miller and S.V. Westmoreland
Keyword: Liver and Pancreas
\textsuperscript{a}Competitor for the Charles Capen Student Travel Award in Experimental Pathology

This session is supported by Amgen Inc.

1:30 p.m.–5:00 p.m......................... Room 608, WSCC
Natural Disease Focused Scientific Session II
Session Chair: Bradley Njaa, BSc, DVM, MVSc\textsuperscript{*}
Committee Members: G. Handorson, I. Langohr, T. LeRoith (Past Chair), A. Miller, and J. Teifke (Co-Chair)

Platform Presentations:

1:30 p.m.–1:45 p.m.
A ROLE FOR GLOMERULAR AUTOPHAGY AND INFLAMMASOME ACTIVATION IN VISCERAL LEISHMANIASIS-ASSOCIATED GLOMERULONEPHRITIS
Keyword: Urinary System

1:45 p.m.–2:00 p.m.
HEPATIC LESIONS IN 90 CAPTIVE NON-DOMESTIC FELIDS PRESENTED FOR NECROPSY
Keyword: Wildlife

2:00 p.m.–2:15 p.m.
CANINE ACANTHOMATOUS AMELOBLASTOMA: A POTENTIALLY CONFUSING ENTITY FOR VETERINARY PATHOLOGISTS
B. Murphy
Keyword: Neoplasia

Invited Speaker
2:15 p.m.–3:00 p.m.
DABBINGS IN DERMATOPATHOLOGY
D. Scott

3:00 p.m.–3:30 p.m. ......................... Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!
3:30 p.m.—3:45 p.m.
HISTOPATHOLOGICAL CHARACTERIZATION OF ENDOCRINE AND EXOCRINE PANCREAS IN CATS WITH DIABETES MELLITUS
Keyword: Endocrine

3:45 p.m.—4:00 p.m.
EARLY HISTOPATHOLOGIC CHANGES IN THE RETINA AND OPTIC NERVE IN CANINE PRIMARY ANGLE-CLOSURE GLAUCOMA
R.R. Dubielzig, E.M. Scott, N. Boursiquot, and W.A. Beltran
Keyword: Eye and Ear

4:00 p.m.—4:15 p.m.
MICROSCOPIC CHARACTERIZATION OF THE CAT MIDDLE EAR: IN SICKNESS AND IN HEALTH
M.M. Sula and B.L. Njaa
Keyword: Eye and Ear

Invited Speaker
4:15 p.m.—5:00 p.m.
FELINE AUDITORY SYSTEM IN HEARING AND DEAFNESS
D. Ryugo

The invited speakers in this session are being videotaped for future broadcast on the Members Only section of the ACVP website.

4:30 p.m.—6:00 p.m. Room 612, WSCC
ASVCP Business Meeting

5:00 p.m.—6:00 p.m. Willow B, Sheraton Hotel
ACVP New Diplomates Reception
(by invitation only)

6:00 p.m.—7:30 p.m. Room 608, WSCC
ACVP Town Hall Business Meeting

7:30 p.m.—9:30 p.m. Room 615, WSCC
Mystery Slide Review and Neuropathology Case Presentations
Session Chair: Jey Koehler, DVM*

This session is supported by Consultants in Veterinary Pathology, Inc. and Tox Path Specialists.
7:00 a.m.–8:00 a.m.
Committee Meetings

7:00 a.m.–6:00 p.m........................... Room 620, WSCC
Speaker Ready Room

7:00 a.m.–5:00 p.m.......................... Room 619, WSCC
Internet Station

7:30 a.m.–1:30 p.m.............. East Lobby, Sixth Floor, WSCC
Registration Open

8:00 a.m.–5:00 p.m..................Columbia, Sheraton Hotel
Student and Guest Hospitality Room

8:00 a.m.–12:00 noon....................Room 6E, WSCC
ACVP and ASVCP Joint Plenary Session
Allergic Airway Disease
Session Co-Chairs: James B. Rottman, DVM, PhD*
Mark Ackermann, DVM, PhD*

8:00 a.m.–8:05 a.m.
Welcome by the ACVP and ASVCP Presidents
Claire B. Andreasen, DVM, PhD*
Leslie Sharkey, DVM, PhD*

8:05 a.m.–8:10 a.m.
Introduction to the Plenary Session
James B. Rottman, DVM, PhD*

8:10 a.m.–9:00 a.m.
Mast Cells in the Pathogenesis of Asthma (and in Promoting Health)
Stephen Galli, MD
Sponsored by American Society for Investigative Pathology

9:00 a.m.–9:50 a.m.
Immunity in the Allergic Lung—More Than Just Th2
Clare Lloyd, PhD

9:50 a.m.–10:20 a.m. ................. Exhibit Hall 6A, WSCC
Refreshment Break

*ACVP Diplomate
10:20 a.m.–11:10 a.m.
Innate Lymphoid Cells Shape Immunity in the Lungs
Dale Umetsu, MD, PhD

11:10 a.m.–12:00 noon
Role of RSV in Modulating Allergic Lung Disease
Steven M. Varga, PhD

This session is being videotaped for future broadcast on the Members Only section of the ACVP website.

This session is sponsored by Charles River.

8:00 a.m.–12:00 noon. Room 614, WSCC
ASVCP Veterinary Laboratory Professionals Session II
Session Chair: Nicole Rosen, MT(ASCP)

8:00 a.m.–9:00 a.m.
Total Allowable Error as a Unifying Concept in the Veterinary Laboratory
Kathleen Freeman, DVM, PhD, DECvCP, FRCPath

9:00 a.m.–10:00 a.m.
Practical Workshop: QC Validation for the Veterinary Laboratory
Kathleen Freeman, DVM, PhD, DECvCP, FRCPath

Attendees should bring information about an instrument in their own laboratory with reference intervals analytes run on the instrument, QC data for the past two months, including mean of QC materials, manufacturer’s target value for QC materials, SD and CV. If your laboratory has quality requirements for the selected tests, bring these as well. A handout will show you how to choose a QC rule for application with the tests based on the quality required of the test and the actual performance of your instrument. The goal is to have a high probability of error detection (> or = 90%) and a low probability of false rejection (< or = 5%). A computerized program for QC Validation (EZRules3) will be demonstrated.
10:00 a.m.–10:30 a.m.  
*ACVP Diplomate*  
Exhibit Hall 6A, WSCC

**Refreshment Break**

10:30 a.m.–12:00 noon  
Practical Workshop: QC Validation for the Veterinary Laboratory (Continued)  
Kathleen Freeman, DVM, PhD, DECVP, FRCPATH

9:00 a.m.–5:00 p.m.  
Career Center

9:30 a.m.–1:00 p.m.  
Exhibit Hall 6A, WSCC  
Focused Scientific Poster Session and Veterinary Student Posters  
Silent Auction

12:15 p.m.–1:15 p.m.  
Room 612, WSCC  
ACVP Clinical Pathology Examination Slide Review

12:15 p.m.–1:15 p.m.  
Room 607, WSCC  
ACVP Gross and Microscopic Examination Slide Review

12:15 p.m.–2:00 p.m.  
Room 614, WSCC  
Latin Comparative Pathology Group Presents

12:15 p.m.–12:45 p.m.  
Phototoxic Retinopathy in Rats can be Confounding Factor in Chronic Studies (Retinopatia Fototoxica em Ratos Pode ser um Fator Complicador em Estudos Toxicologicos Cronicos)  
Leandro Teixeira, DVM, MS, COPLOW Fellow  
(presentation in Portuguese)

12:45 p.m.–1:15 p.m.  
Diagnosis of Equine Enterocolitis (Diagnóstico de Enterocolitis Equina)  
Santiago S. Diab, DVM* (presentation in Spanish)

1:15 p.m.–1:45 p.m.  
Education in Veterinary Pathology (Educacion en Patologia Veterinaria)  
Ana Alcaraz, DVM, PhD* (presentation in Spanish)

1:30 p.m.  
Free afternoon for exploring Seattle
Presented by:
The NIH Comparative Biomedical Scientist Training Program: An NIH Graduate Partnership Program.

All veterinary students and other interested attendees are invited to this interactive panel discussion about careers and career paths in veterinary pathology:

- Learn about training for careers in veterinary anatomic and clinical pathology.
- Learn about unique careers in academia, diagnostics, research and industry.
- Gain insight into shaping your future as a contributor to the many aspects of veterinary pathology by interacting with our renown discussants and hearing about their careers.

This session is supported by the National Cancer Institute Comparative Pathology Training Partnerships.

3:00 p.m.–5:00 p.m. Metropolitan B, Sheraton Hotel
Veterinary Student and Resident Forum

This session is supported by Experimental Pathology Labs, Inc.

5:15 p.m.–6:45 p.m. Cirrus Ballroom, Sheraton Hotel
ASVCP Reception
(open to ASVCP Members)

6:00 p.m.–7:00 p.m. Cedar, Sheraton Hotel
ACVP Council and Corporate Partners Reception
(by invitation only)

7:00 p.m.–9:00 p.m. Room 614, WSCC
ASVCP Clinical Chemistry Review Session
Session Chair: Jeffrey McCartney, DVM*

7:00 p.m.–9:00 p.m. Room 615, WSCC
Mystery Slide Seminar and Case Presentations: Liver Pathology
Session Chair: Melanie Breshears, DVM*
7:00 a.m.–8:00 a.m. 
Committee Meetings

7:00 a.m.–5:00 p.m....................... Room 620, WSCC
Speaker Ready Room

7:00 a.m.–5:00 p.m....................... Room 619, WSCC
Internet Station

7:30 a.m.–5:00 p.m............. East Lobby, Sixth Floor, WSCC
Registration Open

8:00 a.m.–5:00 p.m..................Columbia, Sheraton Hotel
Student and Guest Hospitality Room

8:00 a.m.–10:00 a.m............. Willow A, Sheraton Hotel
International Veterinary Pathology Coalition Breakfast

8:00 a.m.–12:00 noon.................. Room 607, WSCC
Concurrent Session I: Liver Pathology
Session Chair: John M. Cullen, VMD, PhD*

8:00 a.m.–8:10 a.m. 
Introduction

8:10 a.m.–9:00 a.m.
Congenital and Acquired Disorders of the Biliary Tree
John M. Cullen, VMD, PhD*

9:00 a.m.–9:50 a.m.
New Prognostic Classification of Primary Hepatic Tumours in the Dog
Renee van Sprundel, DVM

9:50 a.m.–10:20 a.m. ................. Exhibit Hall 6A, WSCC
Refreshment Break

10:20 a.m.–11:00 a.m.
Constructive Clinician and Pathologist Interactions in Hepatic Disease Diagnosis
Sharon Center, DVM
Sean McDonough, DVM, PhD*

11:00 a.m.–11:50 a.m.
Chemically Induced Hepatic Proliferative Disorders in Rodents
David Malarkey, DVM, PhD*

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

This session is supported by Amgen Inc.
8:00 a.m.–12:00 noon. Room 608, WSCC

Concurrent Session II: Mouse Pathology
Session Chairs: Arlin Rogers, DVM, PhD*
               Kelli L. Boyd, DVM, PhD*

8:00 a.m.–8:10 a.m.
Introduction

8:10 a.m.–9:00 a.m.
Mouse Pathology: Past, Present, and Future
Robert R. Maronpot, DVM, MPH*

9:00 a.m.–9:45 a.m.
Diamonds in the Rough: Unexpected GEM Phenotypes Discovered by Pathologists
Kelli L. Boyd, DVM, PhD*
Cory Brayton, DVM, PhD*
Peter Vogel, DVM, PhD*

9:45 a.m.–10:15 a.m. Exhibit Hall 6A, WSCC
Refreshment Break

10:15 a.m.–11:00 a.m.
Comparative Pathology: The Mouse Perspective
Piper Treuting, DVM*

11:00 a.m.–11:45 a.m.
Comparative Pathology: The Human Perspective
Suzanne Dintzis, MD, PhD

11:45 a.m.–12:00 noon
Questions and Discussion

This session is being videotaped for future broadcast on the Members Only section of the ACVP website.

This session is supported by Charles River.

8:00 a.m.–11:45 a.m. Room 612, WSCC

Clinical Pathology Focused Scientific Session II
Session Chair: Marilyn S. Whitney, DVM, PhD*
Committee Members: J. Christian, M. Fry, M. Nabity, and C. Wiedmeyer

Platform Presentations:

8:00 a.m.–8:15 a.m.
EXTREME THROMBOCYTOSIS: A RETROSPECTIVE STUDY OF 125 DOGS
D. Marks Stowe, J.A. Neel, and C.B. Grindem
Keyword: Clinical Pathology, Abstract Number 7
8:15 a.m.–8:30 a.m.
CANINE BLOOD PLATELET COUNT AND
ACTIVATION IN DIFFERENT ANTICOAGULANTS
S.C. Bulla, B. Geesaman, K. Lunsford, C. Bulla, and J. Thomason
Keyword: Clinical Pathology, Abstract Number 8

8:30 a.m.–8:45 a.m.
TISSUE FACTOR MEDIATES THROMBIN
GENERATION IN CANINE CANCER CELLS
E. Gruber*, J. Catalfamo, and T. Stokol
Keyword: Neoplasia, Abstract Number 9

8:45 a.m.–9:00 a.m.
PORCINE C-REACTIVE PROTEIN RESPONSE IN
SUBCLINICAL SALMONELLA INFECTION
Keyword: Infectious Disease, Abstract Number 10

Invited Speaker
9:00 a.m.–10:00 a.m.
HAVE HEMOPLASMAS AND THEIR HOSTS
EVOLVED TOWARD A “BENIGN” COEXISTENCE?
J. Messick

10:00 a.m.–10:30 a.m. ............... Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!

10:30 a.m.–10:45 a.m.
CONVERTING FLUID-BASED CYTOLOGIC
SPECIMENS TO HISTOLOGIC SPECIMENS FOR
IMMUNOHISTOCHEMISTRY
K.A. Wallace*, M.H. Goldschmidt, and R.T. Patel
Keyword: Clinical Pathology, Abstract Number 11

10:45 a.m.–11:00 a.m.
ABILITY OF CORNEAL CYTOLOGY TO PREDICT
BACTERIAL CULTURE RESULTS
Keyword: Clinical Pathology, Abstract Number 12

11:00 a.m.–11:15 a.m.
RELATIONSHIPS BETWEEN CEREBROSPINAL
FLUID CHARACTERISTICS, INJURY SEVERITY, AND
OUTCOME IN CANINE SPINAL CORD DISEASES
Keyword: Clinical Pathology, Abstract Number 13
11:15 a.m.–11:30 a.m.
**EFFECT OF SAMPLE TYPE AND COLLECTION TUBE TYPE ON BIOCHEMICAL ANALYTES IN HORSES**
C.I. Wu*, P.H. Kass, J.W. George, and W. Vernau
Keyword: Clinical Chemistry, Abstract Number 14

11:30 a.m.–11:45 a.m.
**DECREASE IN ADVIA 2120 MPXI AND A MONOCYTE IDENTIFICATION ERROR OCCUR LATE AFTER ENDOTOXIN TREATMENT OF HORSES**
H. Tvedten, I. Lilliehöök, K. Nostell, A. Edner, and J. Bröjer
Keyword: Hematology, Abstract Number 16

*Competitor for the ASVCP Young Investigator Award

8:00 a.m.–12:00 noon................................. Room 603, WSCC
**Education Focused Scientific Session**
Session Chair: Ana Alcaraz, DVM, PhD*

**Platform Presentations:**

8:00 a.m.–8:15 a.m.
**DEVELOPMENT OF THE “iVETESCHOOL” APP TO SUPPLEMENT VETERINARY MEDICAL STUDENTS’ FOOD ANIMAL EDUCATION**
A. Rashmir-Raven, R. Malinowski, R. Linford, L. Midla, K. Ames, A. Currey, J. Patterson, M. Kopcha, F. Welker, and M. Raven

8:15 a.m.– 8:30 a.m.
**EDUCATION REFLECTIONS BY VM1 STUDENTS UPON READING CASE REPORTS WRITTEN BY VM4 STUDENTS**
A. Fales-Williams
Keyword: Clinical Pathology

**Invited Speaker**
8:30 a.m.–9:30 a.m.
**THE ROLE OF EXPERIENCE IN MEDICAL EXPERTISE**
G. Norman
USE OF A CELL PHONE-ENABLED AUDIENCE RESPONSE SYSTEM FOR TEACHING PATHOLOGY IN THE VETERINARY SCHOOL CLASSROOM
B.F. Porter

9:30 a.m.–9:45 a.m.

Invited Speaker
10:30 a.m.–12:00 noon

WORKSHOP ON ASSESSMENT METHODS
G. Norman

8:00 a.m.–12:00 noon

Method Comparison Studies in Veterinary Hematology: Focusing on the IDEXX ProCyte Dx
Katie Boes, DVM

9:00 a.m.–10:00 a.m.

Development and Evaluation of Immature or Toxic Neutrophil and nRBC Morphology Results on the IDEXX ProCyte Dx Hematology Analyzer
Dennis DeNicola, DVM, PhD*

10:00 a.m.–11:00 a.m. Exhibit Hall 6A, WSCC

Refreshment Break

11:00 a.m.–12:00 noon

Method Comparison Studies in Veterinary Chemistry: Focusing on the IDEXX Catalyst Dx
William Siska, DVM

9:00 a.m.–4:00 p.m. Meet in the Sheraton Hotel Lobby at 8:45 a.m.

Pathologist Program
(available for a separate fee)

9:00 a.m.–5:00 p.m. Room 618, WSCC

Career Center

9:30 a.m.–3:30 p.m. Exhibit Hall 6A, WSCC

Exhibits
Focused Scientific Poster Session and Veterinary Student Posters
Silent Auction

* ACVP Diplomate
ACVP & ASVCP 2012 • Tuesday, December 4

12:00 noon–1:30 p.m. ...................................................... Metropolitan A, Sheraton Hotel
Pathology Trainees Appreciation Luncheon
(attendance by RSVP only)

1:30 p.m.–5:00 p.m. ..................................................... Room 607, WSCC
ASVCP Case Review Session
Session Chair: Marlyn S. Whitney, DVM, PhD*

1:30 p.m.–5:00 p.m. ..................................................... Room 612, WSCC
Diagnostic Pathology Focused Scientific Session II
Session Chair: Francisco Uzal, DVM, MSc, PhD*
Committee Members: B. Lewis (Co-Chair), C. Loehr, A. Nyaoke, and S. Raverty

Platform Presentations:

1:30 p.m.–1:45 p.m.
AAVLD/ACVP DIAGNOSTIC PATHOLOGY TRAVEL AWARD WINNER: 2011
Glioblastoma Multiforme (High Grade Astrocytoma) in Two Free-Ranging Raccoons (Procyon lotor)

1:45 p.m.–2:00 p.m.
Cutaneous Mast Cell Tumor with Epitheliotropism in Three Dogs
Keyword: Neoplasia

2:00 p.m.–2:15 p.m.
Renal Dysplasia and Multiple Urogenital Anomalies in an Alpaca Cria
M.E. Pinkerton, N. McGreevey, H. Steinberg, and S. Semrad
Keyword: Urinary System

2:15 p.m.–2:30 p.m.
Fatal Venous Air Embolism During Anesthesia in an Apparently Healthy Adult Chihuahua Dog
P.J. Mouser
Keyword: Cardiovascular

2:30 p.m.–2:45 p.m.
Canine Morbillivirus Infection in a Captive Tiger
K.R. Clarke, A.J. Cooley, E.Y. Akin, and M.J. Beasley
Keyword: Infectious Disease
2:45 p.m.–3:00 p.m.
TRANSMISSIBLE VIRAL PROVENTRICULITIS WITH RUNTING STUNTING SYNDROME IN LAYER PULLETS
F.A. Uzal, H.L. Shivaprasad, and J. Guy
Keyword: Avian

3:00 p.m.–3:30 p.m. ........................ Exhibit Hall 6A, WSCC Refreshment Break—Visit the Posters and Exhibits!

3:30 p.m.–3:45 p.m.
IMMUNOHISTOCHEMICAL DETECTION OF PTEN, P16, RB AND P53 IN CANINE OSTEOSARCOMA
D.S. Russell, L. Jaworski, and W.C. Kisseberth
Keyword: Neoplasia

3:45 p.m.–4:00 p.m.
PATHOLOGY OF CLOSTRIDIUM DIFFICILE-ASSOCIATED DIARRHEA IN HORSES
S.S. Diab, F.A. Uzal, and A. Rodriguez-Bertos
Keyword: Alimentary

4:00 p.m.–4:15 p.m.
EVALUATION OF TUMOR GROWTH FRACTION IN FELINE GASTROINTESTINAL LYMPHOMA
L.M. Pohlman and C.M. Johnson
Keyword: Neoplasia

4:15 p.m.–4:30 p.m.
SEBORRHEIC KERATOSES IN DOGS
C. Bradley, J. Luff, and E. Mauldin
Keyword: Skin

4:30 p.m.–4:45 p.m.
RESPIRATORY CANINE HERPESVIRUS OUTBREAK IN A GROUP OF ADULT DOGS
E.A. Driskell, E. Uhl, J. Saliki, S. Sanchez, and R.J. Hogan
Keyword: Infectious Disease

4:45 p.m.–5:00 p.m.
TULAREMIA IN WASHINGTON STATE SQUIRRELS
Keyword: Infectious Disease
ACVP & ASVCP 2012 • Tuesday, December 4

1:30 p.m.—5:00 p.m.............................................. Room 608, WSCC
Experimental Disease Focused Scientific Session II
Session Chair: Justin Greenlee, DVM, PhD*
Committee Members: K. Gibson-Corley (Co-Chair), S. Monette, R. Read, and C. Zeiss (Past Chair)

Platform Presentations:

Invited Speaker
1:30 p.m.—2:30 p.m.
INFLAMMATORY STRESS AS A SUSCEPTIBILITY FACTOR IN DRUG-INDUCED LIVER INJURY
R. Roth

2:30 p.m.—2:45 p.m.
A NOVEL FERRET ORTHOTOPIC LUNG TRANSPLANT MODEL DEVELOPS OBLITERATIVE BRONCHIOLITIS
Keyword: Respiratory System

2:45 p.m.—3:00 p.m.
IN-VIVO IMAGING OF BORRELIAL DISTRIBUTION IN A MOUSE MODEL OF LYME DISEASE
S.T. Laing, D.M. Imai, K. Olsen, and S.W. Barthold
Keyword: Infectious Disease

3:00 p.m.—3:30 p.m. Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!

Invited Speaker
3:30 p.m.—4:15 p.m.
GLYCOSAMINOGLYCANS AND PROTEOGLYCANS: KEY REGULATORS OF THE INNATE IMMUNE RESPONSE TO LUNG INFECTION
C. Frevert

4:15 p.m.—4:30 p.m.
CHRONIC WASTING DISEASE IN THE CAT: SIMILARITIES TO FELINE SPONGIFORM ENCEPHALOPATHY (FSE)
D.M. Seelig, A. Nalls, M. Flasik, V. Frank, C. Mathiason, and E.A. Hoover
Keyword: Infectious Disease

*ACVP Diplomate
ACUTE COLITIS AND HEMOLYTIC UREMIC SYNDROME IN GERM FREE MICE COLONIZED BY SHIGATOXIGENIC ESCHERICHIA COLI O104:H4
K.A. Eaton, C. Fontaine, S. Poe, R. Al Safadi, J.T. Rudrik, and S.D. Manning
Keyword: Infectious Disease

INTRATUMORAL MYXOMA VIRUS TREATMENT INCREASES MEDIAN SURVIVAL TIME AND TUMOR-INFILTRATING NEUTROPHILS IN AN IMMUNOCOMPETENT MOUSE MODEL OF MELANOMA
Keyword: Neoplasia

This session is supported by Genentech.

1:30 p.m.–5:00 p.m................................ Room 603, WSCC
Industrial and Toxicologic Pathology Focused Scientific Session II
Session Chair: Mark Hoenerhoff, DVM, PhD*
Committee Members: C. Colleton, M. Conner, W. Dochterman (Past Chair), D. Ennulat, V. Sasseville, M. Sebastian (Co-Chair), and B. Singh

Platform Presentations:

1:30 p.m.–1:40 p.m.
Opening Remarks

Invited Speaker
1:40 p.m.–2:30 p.m.
MECHANISMS AND PATTERNS OF TOXICITY IN THE FEMALE REPRODUCTIVE SYSTEM
J. Vidal

2:30 p.m.–2:50 p.m.
ESTROGEN AND PROGESTERONE RECEPTOR EXPRESSION IN SPONTANEOUS UTERINE ADENOCARCINOMA IN FISCHER 344 RATS
C.J. Willson
Keyword: Reproductive System
Invited Speaker
3:30 p.m.–4:20 p.m.
THE CHANGING FACE OF ENDOCRINE DISRUPTION RESEARCH
J. Wolf

4:20 p.m.–4:40 p.m.
DEVELOPMENT OF GENETICALLY MODIFIED RODENT MODELS FOR THE STUDY OF AHR-MEDIATED TOXICITY
R. Hukkanen
Keyword: Toxicologic Pathology

4:40 p.m.–5:00 p.m.
EVALUATION OF LIVER SLICES AS A SURROGATE MODEL OF THE RAT LIPOPOLYSACCHARIDE MODEL OF IDIOSYNCRATIC HEPATOTOXICITY
E.A.G. Blomme
Keyword: Liver and Pancreas

This session is supported by Genentech.

5:15 p.m.–6:30 p.m. Room 608, WSCC
ACVP Awards and Recognition Event

7:00 p.m.–9:30 p.m. Grand Ballroom, Sheraton Hotel
ACVP Presidential Reception

Sponsored by Pfizer, Inc.
8:00 a.m.–8:45 a.m.  
**T Helper Cell Lineage Plasticity in Inflammatory Disease**  
Arian Laurence, PhD

8:45 a.m.–9:30 a.m.  
**TH17 Cells in Inflammation and Cancer**  
Chen Dong, PhD

9:30 a.m.–10:00 a.m.  
East Lobby, Sixth Floor, WSCC  
**Refreshment Break**

10:00 a.m.–10:45 a.m.  
**Molecular Control of Regulatory T Cell Function**  
Dario Vignali, PhD

10:45 a.m.–11:30 a.m.  
**Immunity or Tissue Damage to Viral Infections: How Regulatory Cells and Factors Decide the Outcome**  
Barry T. Rouse, BVSc, PhD, DSc

11:30 a.m.–12:00 noon  
**Questions and Discussion**

8:00 a.m.–12:00 noon  
Room 608, WSCC  
**Concurrent Session IV: Perspectives of Disease: Tales From the Crypt**  
Session Chairs: Elizabeth M. Whitley, DVM, PhD*  
Brad N. Bolon, DVM, PhD, DABT, FATS, FIATP*

8:00 a.m.–8:05 a.m.  
**Introduction**
8:05 a.m.–8:50 a.m.
Vanquishing a Virus: Eliminating the Scourge of Rinderpest
Corrie Brown, DVM, PhD*

8:50 a.m.–9:40 a.m.
No Swan Song for Scrofula: Tuberculosis as a Re-Emerging Global Plague
Gillian L. Beamer, VMD, PhD*

9:40 a.m.–10:10 a.m. .... East Lobby, Sixth Floor, WSCC
Refreshment Break

10:10 a.m.–11:10 a.m.
The Widening Spectrum of Prions: It All Started With Bill Hadlow
Stanley B. Prusiner, MD

11:10 a.m.–12:00 noon
Bovine and Equine Babesiosis: Divergence in Controlling Transmission to Immunologically Naïve Populations
Donald P. Knowles, DVM, PhD*

This session is being videotaped for future broadcast on the Members Only section of the ACVP website.

8:00 a.m.–12:00 noon................. Room 612, WSCC
Mini-Symposium: Hiking the Gastrointestinal Range: From the Pathologist/Clinician Basecamp to the Summit of the Latest Research
Session Chair: Joanne Mansell, DVM, MRCVS*

8:00 a.m.–8:15 a.m.
Thoughts Behind the WSAVA GI Grading System
Michael Willard, DVM, DACVIM
Joanne Mansell, DVM, MRCVS*

8:15 a.m.–9:45 a.m.
GI Dilemmas: Clinicopathology Conference
Michael Willard, DVM, DACVIM
Joanne Mansell, DVM, MRCVS*

9:45 a.m.–10:00 a.m. .... East Lobby, Sixth Floor, WSCC
Refreshment Break

10:00 a.m.–12:00 noon
The Intestinal Microbiota and Chronic Enteropathies Across Species
Kenny Simpson, BVM&S, PhD, DACVIM
ACVP Young Investigator Award Winner Poster Session

8:00 a.m.–12:00 noon. East Lobby, Sixth Floor, WSCC

ACVP & ASVCP 2012 • Wednesday, December 5

Post-Meeting Workshop I

Wednesday, December 5, 2012

1:00 p.m.–4:00 p.m. Room 614, WSCC

Immunochemistry in Canine and Feline Cancer Diagnosis and Prognosis

Session Chair: Matti Kiupel, DrMedVetHabil, PhD*

The session will provide an introduction to diagnostic immunochemistry, including the technical and logistic aspects of integrating immunochemistry into the regular surgical biopsy service. The main topic will be an overview of how immunochemistry can be utilized to increase our diagnostic capabilities and what antibody panels are most useful for aiding the diagnosis of various neoplastic entities in dogs and cats. The session will furthermore focus on the use of immunochemistry for the prognosis of some of the most common neoplasms in dogs and cats. In addition to immunochemistry, an overview of some of the most commonly used molecular diagnostic pathology tests for the diagnosis and prognosis of neoplastic diseases in dogs and cats will be given.

Post-Meeting Workshop II

(available at an additional fee)

Emerging Respiratory Viral Infections and Nonhuman Primate Case Presentations

Session Chair: Vito G. Sasseville, DVM, PhD*
Session Co-Chairs: Karen A. Terio, DVM, PhD*
Joseph L. Mankowski, DVM, PhD*
Robert Murnane, DVM*

This workshop will focus on the molecular biology, pathology, animal models and therapeutic and vaccine approaches to prevention and control of emerging respiratory viral infections. There will be presentations of submitted nonhuman primate cases. The target audience is students, trainees, and experienced pathologists interested in respiratory viral infections and spontaneous diseases of nonhuman primates.

1:00 p.m.–1:30 p.m.

Overview: Influenza, Respiratory Syncytial Virus and Metapneumovirus in Wild and Zoo-Housed Great Apes

Karen A. Terio, DVM, PhD*
1:30 p.m.–2:15 p.m.
Pathology and Pathogenesis of Influenza and Human Metapneumovirus in Non-Human Primates
Thijs Kuiken, DVM, PhD*

2:15 p.m.–3:00 p.m.
Emerging Respiratory Viral Infections and Nonhuman Primate Case Presentations
Guy Boivin, MD, MSC, FRCPC
Vito G. Sasseville, DVM, PhD*

3:00 p.m.–3:15 p.m.
Refreshment Break

3:15 p.m.–4:00 p.m.
Molecular Signature of Host Immune Response to Influenza Infection
Robert Palermo, PhD

4:00 p.m.–7:00 p.m.
Case Presentations
Focused Scientific Posters will be available for viewing in Exhibit Hall 6A at the Washington State Convention Center (WSCC) at the following times:

Saturday, December 1 .................... 7:00 p.m.–8:30 p.m.
Sunday, December 2 ........................ 9:30 a.m.–4:30 p.m.
Monday, December 3 ..................... 9:30 a.m.–1:00 p.m.
Tuesday, December 4 ..................... 9:30 a.m.–3:30 p.m.

Authors have been invited to be present at their poster during the Focused Poster Session on Saturday, December 1 from 7:00 p.m.–8:30 p.m.

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**C-1**

**THROMBOPOIETIN GENE EXPRESSION IN HEALTHY DOG TISSUE**

A.S. Figueiredo, S.C. Bulla, K.V. Lunsford, and C. Bulla  
Keyword: Hematopoietic System, Abstract Number 17

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**C-2**

**COMPARISON OF A NOVEL BLOOD FILM ESTIMATION AND A FLOW CYTOMETRIC METHOD OF PLATELET ENUMERATION WITH THE MANUAL HEMACYTOMETER AND AUTOMATED HEMATOLOGY ANALYZER PLATELET COUNTS**

J.M. Lin, J.M. Hammond, and D.B. DeNicola  
Keyword: Hematology, Abstract Number 18

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**C-3**

**HEMOSTASIS VARIABLES IN DOGS TREATED WITH TWO DIFFERENT DOSES OF PREDNISONE**

Keyword: Hematology, Abstract Number 19

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**C-4**

**EVALUATION OF VON WILLEBRAND FACTOR DURING PREGNANCY, LACTATION AND THE ESTROUS CYCLE IN BITCHES AFFECTED AND UNAFFECTED BY VON WILLEBRAND DISEASE**

Keyword: Hematology, Abstract Number 20
C-5
COMPARISON OF HOMOLOGOUS AND HETEROLOGOUS THROMBOPLASTIN FOR AVIAN PROTHROMBIN TIME AT TWO DIFFERENT TEMPERATURES
R.K. Takahira, C.M. Thomazini, T.C. Trentin, and J.R. Sartori
Keyword: Avian, Abstract Number 21

C-6
SULFAQUINOXALINE ADMINISTRATION EFFECTS IN AVIAN THROMBOELASTOMETRY
Keyword: Avian, Abstract Number 22

C-7
RESIDUAL LEUKOCYTE COUNT IN CANINE PURIFIED PLATELET SAMPLES
Keyword: Hematology, Abstract Number 23

C-8
HIGHLY PURE PLATELET ISOLATION FROM CANINE WHOLE BLOOD
Keyword: Hematology, Abstract Number 24

C-9
EXAMINATION OF INHERENT INACCURACY IN WBC ESTIMATES FROM PERIPHERAL BLOOD SMEARS
M.S. Camus and D.R. Pope
Keyword: Hematology, Abstract Number 25

C-10
CYTOLOGICAL EXAMINATION AND CELLULAR COMPOSITION OF BONE MARROW IN HEALTHY, ADULT MINIPIGS (SUS SCROFA DOMESTICA)
A. Wilcox, V. Allegret, M. Prins, and A. Provencher Bolliger
Keyword: Hematopoietic System, Abstract Number 26

C-11
HEMATOLOGY DATA MINING: NEW PARADIGMS FOR EVALUATING ANEMIA IN DOGS
M.M. Christopher and J. Hodges
Keyword: Hematology, Abstract Number 27
C-12
CAUSES OF ANEMIA IN DOGS EXAMINED AT THE UNIVERSITY VETERINARY HOSPITAL AT DISTRITO FEDERAL, BRAZIL
Keyword: Clinical Pathology, Abstract Number 28

C-13
IRON DEFICIENCY ANEMIA IN AN ASIAN ELEPHANT
M. Leissinger, S. Gaunt, and G. Pirie
Keyword: Hematology, Abstract Number 29

C-14
EXTREME MACROCYTOSIS IN A SHIBA DOG
S. Neo, E. Ogawa, S. Yamashiro, D. Suzuki, M.I. Hisasue, and R. Tsuchiya
Keyword: Hematology, Abstract Number 30

C-15
ROLE OF HEMOPLASMAS AND FIV AS ENHANCERS OF HEMATOLOGICAL CHANGES CAUSED BY FELV
L.C. Aquino, T.G. Marçola, F.P. Firmino, T.F. da Silva, and G.R. Paludo
Keyword: Infectious Disease, Abstract Number 31

C-16
COMPARATIVE GENOMIC ANALYSES OF MYCOPLASMA HAEMOCANIS AND MYCOPLASMA HAEMOFELIS: SO CLOSE BUT YET SO FAR AWAY
N.C. do Nascimento, A.P. Santos, A.M.S. Guimaraes, P.J. SanMiguel, and J.B. Messick
Keyword: Infectious Disease, Abstract Number 32

C-17
DETECTION OF MYCOPLASMA OVIS AND ‘CANDIDATUS MYCOPLASMA HAEMOVIS’ IN SHEEP BY CONVENTIONAL AND QUANTITATIVE PCR
P.L. Deshuillers, N.C. do Nascimento, A.P. Santos, and J.B. Messick
Keyword: Infectious Disease, Abstract Number 33

C-18
COMPLETE GENOME SEQUENCE OF MYCOPLASMA WENYONII STRAIN MASSACHUSETTS
A.P. Santos, A.M.S. Guimaraes, N.C. Nascimento, P.J. SanMiguel, and J.B. Messick
Keyword: Infectious Disease, Abstract Number 34
C-19
MOLECULAR INVESTIGATION OF HEMOTROPIC MYCOPLASMA SPECIES IN DOGS, HORSES AND HUMANS IN A RURAL SETTLEMENT FROM SOUTHERN BRAZIL
Keyword: Infectious Disease, Abstract Number 35

C-20
SEROLOGICAL SURVEY OF PIROPLASMOSIS IN HORSES FROM PARANÁ STATE, SOUTHERN BRAZIL
Keyword: Infectious Disease, Abstract Number 36

C-21
PRACTICAL EVALUATION OF A BENCHTOP HEMATOLOGY ANALYZER FOR NONHUMAN PRIMATES
K. O’Connell, A. Mikkola, A. Stepanek, A. Vernet, and D. Brown
Keyword: Hematology, Abstract Number 37

C-22
ESTABLISHMENT AND VALIDATION OF EQUINE HEMATOLOGY REFERENCE INTERVALS FOR THE IDEXX PROCYTE DX HEMATOLOGY ANALYZER
P. Baker, D. DeNicola, M. Frye, M. Jensen, and D. Wunn
Keyword: Clinical Pathology, Abstract Number 38

C-23
ESTABLISHMENT AND VALIDATION OF EQUINE CHEMISTRY REFERENCE INTERVALS FOR THE IDEXX CATALYST DX CHEMISTRY ANALYZER
P. Baker, D. DeNicola, M. Frye, M. Jensen, and D. Wunn
Keyword: Clinical Pathology, Abstract Number 39

C-24
EFFECTS OF TWO STUDY PROCEDURES ON CLINICAL PATHOLOGY DATA IN CYNOMOLGUS MONKEYS: SITE OF COLLECTION AND METHOD OF RESTRAINT
Keyword: Clinical Pathology, Abstract Number 40
C-25
EFFECT OF STORAGE CONDITIONS ON CANINE T-CELL CYTOKINE PRODUCTION
C. Riggs, T. Archer, C. Bulla, C. Fellman, and A. Mackin
Keyword: Immune System, Abstract Number 41

C-26
SERUM CONCENTRATIONS OF ACUTE PHASE PROTEINS IN HOOKWORM (ANCYLOSTOMA SP.) INFECTIONS IN DOGS
Keyword: Clinical Pathology, Abstract Number 42

C-27
EXERCISE AFFECTS CORTISOL CONCENTRATIONS OF HORSES SUBJECTED TO A HIGH-SPEED TREADMILL
T.S. Barbosa, L.A. Yonezawa, C.L. Marinho, J.L. Knaut, M.J. Watanabe, and A. Kohayagawa
Keyword: Clinical Pathology, Abstract Number 43

C-28
THE EFFECT OF THE DEGREE OF BLOOD CONTAMINATION OF URINE ON THE INTERPRETATION OF THE URINARY PROTEIN TO CREATININE RATIO OF DOGS
E.K.P. Jillings, S. Azarpeykan, R.A. Squires, and N. Lopez-Villalobos
Keyword: Urinary System, Abstract Number 44

C-29
HYPERMAGNESEMIA IS ASSOCIATED WITH INCREASED MORTALITY IN CANINE INTENSIVE CARE UNIT PATIENTS
U. Jeffery
Keyword: Clinical Chemistry, Abstract Number 45

C-30
SERUM ALDOLASE: A USEFUL BIOCHEMICAL MARKER FOR DETECTION OF MUSCLE DISEASE IN DOGS
R. Bell, A. Chen-Allen, A. Kiszonas, and T. Wills
Keyword: Clinical Pathology, Abstract Number 46

C-31
VALIDATION OF A METHOD FOR FREE GLYCEROL AND USE AS A CORRECTION OF TRIGLYCERIDE CONCENTRATIONS IN MULTIPLE SPECIES
S. McGrath, N. Gregorich, S. Young, F. Clemo, and J. Gass
Keyword: Clinical Chemistry, Abstract Number 47
C-32
URINARY EXCRETION OF MCP-1 INCREASES WITH PROGRESSION OF POLYCYSTIC KIDNEY DISEASE IN CD-1 PCY MICE
S. Schmidt, N. Kirby, A. Stepanek, A. Vernet, J. Fox, and D. Brown
Keyword: Urinary System, Abstract Number 48

C-33
WHAT IS ONE SIMONSIELLA ORGANISM?
H.W. Tvedten
Keyword: Cytology, Abstract Number 49

C-34
EFFECTS OF SLIDE STORAGE ON ALKALINE PHOSPHATASE STAINING
B. Garner and N. Gottdenker
Keyword: Cytology, Abstract Number 50

C-35
PERITONEAL FLUID ANALYSIS WITH THE LASERCYTE HEMATOLOGY ANALYZER
Keyword: Cytology, Abstract Number 51

C-36
PERITONEAL FLUID ANALYSIS WITH THE PROCYTE DX HEMATOLOGY ANALYZER
Keyword: Cytology, Abstract Number 52

C-37
SUSCEPTIBILITY OF THE CANINE LYMPHOMA B-CELL LINE CLBL-1 TO THE CELL CYCLE PHASE NON-SPECIFIC CYTOTOXIC DRUG DOXORUBICIN
B.C. Rütgen, T. Käser, K. Mair, W. Gerner, B. Wolfesberger, A. Saalmüller, and I. Schwendenwein
Keyword: Immune System, Abstract Number 53

The ASVCP abstracts are published in the Journal of Veterinary Clinical Pathology.
D-1
ACUTE LEPTOSPIROSIS IN 13 DOGS
D.R. Rissi+, M.D. Figueiredo, and C.A. Brown
Keyword: Infectious Disease

D-2
CONGENITAL GLYCOGEN STORAGE DISEASE IN A SOUTH AMERICAN COATI
P. Chu+ and A. Loynachan
Keyword: Wildlife

D-3
COPPER TOXICOSIS IN NEW ZEALAND WHITE RABBITS (ORYCTOLAGUS CUNICULUS)
C.J. Ramirez+, D.Y. Kim, and T.J. Evans
Keyword: Rabbit

D-4
FRANCISELLOSIS IN A GROUP OF FAIRY WRASSES
J. Dill+, E. Soto, T. Clauss, A. McDermott, and A. Camus
Keyword: Infectious Disease

D-5
HYDROCEPHALUS IN FOUR BLACK BEARS
S. Ferguson+, L.E. Craig, and J. Novak
Keyword: Wildlife

D-6
SEVERE JAW JOINT ARTHROPATHY AND MULTIPLE FUNGAL INFECTIONS IN AN AMERICAN ALLIGATOR (ALLIGATOR MISSISSIPPIENSIS)
S. McGraw+, K. Emanuelson, L. Lowenstine, and B. Murphy
Keyword: Bone and Joint

D-7
A NEWLY RECOGNIZED FELINE INFECTIOUS PERITONITIS-LIKE DISEASE IN MINK ASSOCIATED WITH AN ALPHACORONAVIRUS
Keyword: Infectious Disease
A REVIEW OF SEVEN CASES OF MALIGNANT OLIGODENROGLIOMA IN THE CENTRAL NERVOUS SYSTEM OF DOGS

M. Cruz Penn, J. Lucas+, and D. Faissler
Keyword: Nervous System

CEREBRAL INFARCTION ASSOCIATED WITH CYTAUXZOON FELIS IN TWO CATS

L. Schumacher+, S. Nelson, B. Debey, and A. Gupta
Keyword: Infectious Disease

DISSEMINATED HETEROBILHARZIA AMERICANA INFECTION AND CONGESTIVE HEART FAILURE IN A LLAMA

K.B. Eden, W.V. Corapi+, and K.F. Snowden
Keyword: Infectious Disease

ENDOCARDITIS AND DISSEMINATED ASPERGILLUS CARNEUS INFECTION IN A MIXED BREED DOG

M.K. Keating+, A.M. Della Maggiore, J.E. Sykes, and F.C. Mohr
Keyword: Infectious Disease

EXTENSIVE MESENTERIC TISSUE INVOLVEMENT IN A CASE OF CANINE PYTHIOSIS

P.J. Yang+ and T.E. Rizzi
Keyword: Infectious Disease

FEMALE REPRODUCTIVE TRACT LESIONS IN CHIMPANZEEs

S. Kumar+, M.A. Owston, G.B. Hubbard, and E.J. Dick Jr.
Keyword: Primates

GASTROINTESTINAL FIBROSING LEIOMYOSITIS IN A YOUNG DOG

K.G. Boland+ and K.R. Snekvik
Keyword: Alimentary
D-15
GROSS AND MICROSCOPIC LESIONS ASSOCIATED WITH VITAMIN D INTOXICATION IN BIRDS
Keyword: Avian

D-16
HETEROTOPIC OSSIFICATION IN AN ADULT LABRADOR RETRIEVER
S.L. Coutermarsh-Ott+, E.W. Uhl, K. Frontera-Acevedo, and R.N. Larson
Keyword: Bone and Joint

D-17
HIGH MORBIDITY AND MORTALITY IN AN IMMUNOCOMPROMISED NSG MOUSE STRAIN ASSOCIATED WITH CORYNEBACTERIUM BOVIS INFECTION
J.L. Romero+, L.K. Crawford, C.M. Garrett, and C.F. Brayton
Keyword: Infectious Disease

D-18
HISTOLOGIC AND IMMUNOHISTOCHEMICAL CHARACTERIZATION OF PHEOCHROMOCYTOMAS IN CLOUDED LEOPARDS (NEOFELIS NEBULOSA)
S. Corner+, T. Walsh, L. Padilla, and K. Terio
Keyword: Wildlife

D-19
HISTOLOGIC LESIONS IN CAPTIVE RETICULATED GIRAFFES: A RETROSPECTIVE STUDY OF 12 CASES (1978-2011)
M. Nobrega-Lee+ and S.J. Newman
Keyword: Wildlife

D-20
HISTOLOGIC, IMMUNOHISTOCHEMICAL, ULTRASTRUCTURAL CHARACTERISTICS OF GRANULOSA CELL TUMORS IN FOUR REPTILES
Keyword: Neoplasia
D-21
HISTOPATHOLOGICAL, ULTRASTRUCTURAL AND MOLECULAR STUDIES ON AN INFECTIOUS AGENT IN PACIFIC SPINY LUMPSUCKERS (*EUMICROTREMUS ORBIS*)
Keyword: Wildlife

D-22
HISTOPLASMA CAPSULATUM IN A FERAL CAT FROM SOUTHERN CALIFORNIA
F. Magunda+, K.A. Potter, and D.S. Bradway
Keyword: Respiratory System

D-23
ICHTHYOSIFORM DERMATOSIS IN CAMELIDS
Keyword: Skin

D-24
INTESTINAL MYCOBACTERIOSIS IN A FERRET
M. Komine+, J. Patterson, A. Lim, and M. Kiupel
Keyword: Ferret

D-25
ISOLATION OF ARCANOBACTERIUM PYOGENES FROM A CASE OF PURULENT PHARYNGITIS AND MENINGOENCEPHALITIS IN A WHITE-TAILED DEER
L. Baseler+, M. Miller, and D. Ragland
Keyword: Nervous System

D-26
LESIONS ASSOCIATED WITH RANAVIRUS INFECTION IN A CAPTIVE POPULATION OF EASTERN BOX TURTLES (*TERRAPENE CAROLINA CAROLINA*) FROM THE MARYLAND ZOO IN BALTIMORE
Keyword: Infectious Disease

D-27
LISSENCEPHALY AND RENAL APLASIA IN TWO DOGS
J. Kaplan-Kees+, G.A. Ignacio, and N.D. Kock
Keyword: None
D-28
MULTIFOCAL FUNGAL OSTEOMYELITIS CAUSED BY GEOSMITHIA ARGILLACEA IN A DOBERMAN PINSCHER
A.K. Viall+, K.L. Gailbreath, and E.A. Cienava
Keyword: Infectious Disease

D-29
MULTISYSTEMIC PHAEOHYPHOMYCOSIS IN TWO LOGGERHEAD SEA TURTLES (CARETTA CARETTA) ASSOCIATED WITH OCHROCONIS HUMICOLA
C.L. Hodo+, J.P. Flanagan, B. Higgins, L. Howell, and F.N. Oliveira
Keyword: Wildlife

D-30
PALATINE NEUROENDOCRINE CARCINOMA IN A CAT
J.L. Brazzell+, H. Philibert, S. Clarkson, and M. Kerr
Keyword: Neoplasia

D-31
PENILE PAPILLOMAS IN A PYGMY SPERM WHALE (KOGIA BREVICEPS)
S. Knowles+, C. Driscoll, J. Testa, C. Potter, L. Clayton, and E. Howerth
Keyword: Infectious Disease

D-32
PROGNOSTIC SIGNIFICANCE OF HISTOLOGIC FEATURES IN CANINE RENAL CELL CARCINOMAS: 107 CASES
E.F. Edmondson+, A. Ruple, and B.E. Powers
Keyword: Neoplasia

D-33
RETROSPECTIVE REVIEW OF AVIAN CASES SUBMITTED TO THE PATHOLOGY DEPARTMENT, UNIVERSITY OF GEORGIA, FROM 2006-2011
N. Nemeth+, A.E. Ellis, and E.W. Howerth
Keyword: Avian

D-34
SPONTANEOUS CONGENITAL EPIDERMOLYSIS BULLOSA IN SPRAGUE DAWLEY RATS
Keyword: Skin
THROMBOTIC MICROANGIOPATHIC GLOMERULAR NECROSIS IN A DOG
R. Blair, J. Garber, L. McLaughlin, and F. Del Piero
Keyword: Urinary System

TUMOR-LIKE GRANULOMATOUS MEDIASTINITIS IN A YOUNG FERRET CAUSED BY CORONAVIRUS INFECTION
Keyword: Ferret

ACANTHOLYTIC DYSKERATOTIC EPIDERMAL NEVUS (SEGMENTAL DARIER’S DISEASE) IN A PUPPY
D.P. Taylor
Keyword: Skin

TUMOR-LIKE GRANULOMATOUS MEDIASTINITIS IN A YOUNG FERRET CAUSED BY CORONAVIRUS INFECTION
D-36
Keyword: Ferret

ACANTHOLYTIC DYSKERATOTIC EPIDERMAL NEVUS (SEGMENTAL DARIER’S DISEASE) IN A PUPPY
D-37
D.P. Taylor
Keyword: Skin

HODGKIN’S—LIKE LYMPHOMA IN A HAMSTER: A CASE REPORT
D-38
P. Mortazavi, F. Kabir, H. Fattahian, B. Vazir, and N. Hoseini
Keyword: Neoplasia

FIVE DOGS WITH CLINICAL AND HISTOPATHOLOGICAL FEATURES SIMILAR TO CANINE RECURRENT FLANK ALOPECIA
D-39
A. Berrocal and H. Mora
Keyword: Skin

HISTIOCYTIC ULCERATIVE COLITIS IN A FRENCH BULLDOG FROM COSTA RICA
D-40
A. Berrocal
Keyword: Alimentary

LEIOMYOMATOSIS IN A 17-MONTH-OLD LABRADOR RETRIEVER
D-41
Keyword: Muscle

MYCOBACTERIOSIS IN A BOA CONSTRICTOR
D-42
J. Trybus
Keyword: Infectious Disease
D-43
MULTIPLE GANGLIONEUROMAS IN THE NECK OF A DOG
C.W. Schellhase, T. Johnson, and D. Gardiner
Keyword: Neoplasia

D-44
A CASE REPORT OF MULTIPLE MALIGNANCIES IN A FERRET
M.P. Goravanahally, P. Malhi, B. Debey, D. Fredholm, and K. Almes
Keyword: Ferret

D-45
IS WHAT I SEE THE REAL MCCOY? RECOGNIZING NONLESIONS DURING NECROPSY
D.R. Rissi and C.S.L. Barros
Keyword: None

D-46
SIFTING THE WHEAT FROM THE CHAFF: ASSESSING CLINICAL SIGNIFICANCE OF NECROPSY FINDINGS
D.R. Rissi and C.S.L. Barros
Keyword: None

D-47
ACCURACY OF BOND-CORE BIOPSY FOR DIAGNOSIS OF PRIMARY BONE TUMORS IN DOGS
Keyword: Bone and Joint

D-48
KLEBSIELLA PNEUMONIAE INFECTION IN A SQUIRREL MONKEY
Keyword: Infectious Disease

D-49
MULTISYSTEMIC HEMANGIOSARCOMA IN A SHEEP
L. Schumacher, M. Miesner, and J. Henningson
Keyword: Neoplasia

D-50
INVASIVE THYMIC CARCINOMA IN A BEARDED COLLIE DOG
D. Kojima, T. Kurotaki, C. Mamone, and N. Wakamatsu
Keyword: Neoplasia
D-51
SPINDLE CELL CARCINOMA IN THE MAXILLARY SINUS OF AN ARABIAN GELDING
J.E. Johnson
Keyword: Neoplasia

D-52
MULTIFOCAL GINGIVAL FIBROPAPILLOMAS IN A 3-YEAR-OLD JERSEY COW
J.S. Munday, C.G. Knight, and B.J. Mackintosh
Keyword: Alimentary

D-53
MATRIX METALLOPROTEINASE 9 EXPRESSION IN CANINE CUTANEOUS MAST CELL TUMORS
Keyword: Neoplasia

D-54
REPORT OF A COMPLEX HAMARTOMA IN THE SKIN OF AN EIGHT-MONTH-OLD MIXED BREED DOG
R.C. Grimm, E.L. Stevens, and A.M. Botero-Anug
Keyword: Skin

D-55
DIROFILARIA REPENS INFECTION IN DOGS IN LATVIA
I. Matise, A. Veksins, A. Kruklite, A. Sukura, A. Nareaho, and H. Ahola
Keyword: Infectious Disease

D-56
PRIMARY CENTRAL NERVOUS SYSTEM LYMPHOMA IN THREE DOGS
V.E. Watson, E.W. Howerth, E.W. Uhl, S.L. Coutermarsh-Ott, M. Kent, and R.M. Barber
Keyword: Neoplasia

D-57
PLEXOGENIC PULMONARY ARTERIOPATHY IN A CAT WITH CHRONIC PULMONARY HYPERTENSION
L.E. Mattei, D.S. Russell, and B.A. Scansen
Keyword: Cardiovascular

D-58
CHARACTERIZATION OF CARDIAC LESIONS AFTER INGESTION OF JAPANESE YEW (TAXUS CUSPIDATE) IN CALVES
M.M. Sula, S. Morgan, K.L. Bailey, and B.L. Njaa
Keyword: Cardiovascular
D-59
CHONDROID DYSPLASIA IN FVB/N-C (3)1- TAG MICE
N. Reyes, E. Gad, N. Disis, and P. Treuting
Keyword: Bone and Joint

D-60
MALIGNANT GRANULOSA CELL TUMOR IN A WHITE-HANDED GIBBON (HYLOBATES LAR)
B. Baughman, F. Wilson, and S. Fitzgerald
Keyword: Primates

D-61
CLINICOPATHOLOGICAL FEATURES OF CUTANEOUS MELANOMA IN SNAKES
J.F. Muñoz, M.M. Garner, and M. Kiupel
Keyword: Wildlife

D-62
BORDER DISEASE RESEMBLING MUCOSAL DISEASE IN A LAMB (OVIS ARIES)
F. Giannitti, B. Barr, K. Sverlow, M. Thompson, and B. Crossley
Keyword: Infectious Disease

D-63
GRADE III OLIGODENDROGLIOMA IN A FREE-RANGING OPOSSUM (DIDELPHIS VIRGINIANA) IN CALIFORNIA
Keyword: Nervous System

D-64
OTITIS MEDIA AND MENINGENCEPHALITIS IN A WALLABY (MACROPUS PARMA) ASSOCIATED WITH PORPHYROMONAS GULAE AND BACTEROIDES TECTIS
F. Giannitti, M. Anderson, and K. Clothier
Keyword: Infectious Disease

D-65
HEMOLYTIC CRISIS IN A LAMB WITH CLOSTRIDIUM PERFRINGENS TYPE D ENTEROTOXEMIA
F. Giannitti, J.P. García, L.W. Woods, and F.A. Uzal
Keyword: Infectious Disease
D-66
AN OUTBREAK OF YERSINIA ENTEROCOLITICA IN A CAPTIVE COLONY OF AFRICAN GREEN MONKEYS (CHLOROCEBUS AETHIOPS SABAEUS)
F. Castillo-Alcala, E. Soto, A. Beierschmitt, J. Beeler-Marfisi, M. Arauz, J. Berezowski, and O. Illanes
Keyword: Infectious Disease

D-67
CHOLEDOTAL CYST IN A DOMESTIC CAT
G. Martinez-Romero, I. Ortiz-Miranda, B. Beltran-Maldonado, and N. Villafuerte-Ramirez
Keyword: Liver and Pancreas

D-68
TWO CASES OF FELINE PANCREATIC CARCINOSARCOMA WITH METASTASES
L. Fitzgerald, A. Desoutter, and A. Durham
Keyword: Liver and Pancreas

D-69
BILATERAL RENAL T-CELL LYMPHOMA WITH HEPATIC INFILTRATION AND SECONDARY POLYCYTHEMIA IN A DOG: UTILITY OF CYTOLOGY SLIDES
R. Froment, A.C. Barrot, and C. Gara-Boivin
Keyword: Hematopoietic System

D-70
MULTILOBULAR TUMOR OF BONE IN THE HARD PALATE OF A CAT
S.J. Bender, S.W. Blazejewski, and M.D. Sánchez
Keyword: Bone and Joint

D-71
ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY IN TWO DOGS
Keyword: Cardiovascular

D-72
EYELID CUTANEOUS MENINGIOMAS IN TWO DOGS
L.B.C. Teixeira, E.M. Scott, M.E. Pinkerton, and R.R. Dubielzig
Keyword: Eye and Ear
D-73
SUBMANDIBULAR SALIVARY GLAND SQUAMOUS CELL CARCINOMA IN A DOG: AN IMMUNOHISTOCHEMICAL ANALYSIS
A. Ji+
Keyword: Alimentary

D-74
SIMULTANEOUS INTESTINAL INFECTION WITH GIARDIA SP, SPIRONUCLEUS SP. AND TRICHOMONADS IN HAMSTERS
B.J. Sheppard, H. Stockdale-Walden, M.A. Marks, and H. Kondo
Keyword: Alimentary

+Competitor for the ACVP Young Investigator Award

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EDUCATION POSTER PRESENTATIONS

ED-1
STUDENT ATTITUDES AND PARTICIPATION IN THE ILLINOIS STUDENT CHAPTER OF THE ACVP OVER A SEVEN-YEAR SPAN
L. Peterson, L. M. Wancket, E.A. Driskell, and M.A. Wallig
Keyword: None

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EXPERIMENTAL DISEASE POSTER PRESENTATIONS

E-1
AAV DELIVERY OF NOVEL THERAPEUTICS FOR HIV INFECTION
L. Kattenhorn+, T. Dorfman, C. Bailey, M. Seaman*, S. Westmoreland, and M. Farzan
Keyword: Infectious Disease
E-2
ADENOVIRUS VECTORED VACCINES AGAINST INFLUENZA A VIRUS DO NOT RESULT IN VACCINE ASSOCIATED ENHANCED RESPIRATORY DISEASE FOLLOWING HETEROLOGOUS CHALLENGE IN CONTRAST TO WHOLE INFLUENZA VIRUS VACCINE
J.N. Henningson, D.R. Braucher, A.L. Vincent, C.L. Loving, P. Kitikoon, P.C. Gauger, and M.E. Kerhli
Keyword: Infectious Disease

E-3
CANINE ADENOVIRUS TYPE 2 INDUCED PNEUMONIA IS ASSOCIATED WITH LIMITED VIRUS REPLICATION IN ALVEOLAR MACROPHAGES
W.L. Castleman, K.J. Conley, and C.W. Hancock
Keyword: Infectious Disease

E-4
CLINICAL DISEASE AND LESIONS IN PIGS ASSOCIATED WITH INFECTION BY AN ATYPICAL STRONGLY BETA-HEMOLYTIC BRACHYSPIRA SPP. COMPARED WITH BRACHYSPIRA HYODYSENTERIAE
B.L. Wilberts+, P.H. Arruda, D.M. Madson, and E.R. Burrough
Keyword: Infectious Disease

E-5
HUMAN RESPIRATORY SYNCYTIAL VIRUS MEMPHIS 37 GROWN IN HEP-2 CELLS CAUSES MORE SEVERE DISEASE THAN VIRUS GROWN IN VERO CELLS
R.J. Derscheid, A. van Geelen, J.M. Gallup, T. Cihlar, and M.R. Ackermann
Keyword: Infectious Disease

E-6
IL-17A, CXCL9 AND CXCL10 ARE UPREGULATED IN EARLY STAGE GRANULOMAS INDUCED BY MYCOBACTERIUM BOVIS IN CATTLE
E. Aranday-Cortes, N.C. Bull, B. Villarreal-Ramos, J. Gough, D. Hicks, A. Ortiz-Peláez, H.M. Vordermeier, and F.J. Salguero
Keyword: Infectious Disease
E-7
MACROPHAGES AND LYMPHOCYTES SUPPORT THE DEVELOPMENT OF THEILERIA EQUI PREERYTHROCYTIC STAGES, BUT NEITHER B NOR T LYMPHOCYTES ARE REQUIRED TO ESTABLISH INFECTION IN VIVO
Keyword: Infectious Disease

E-8
MORPHOLOGIC AND MOLECULAR PATHOLOGY IN THE SPINAL CORDS OF SIV-INFECTED MACAQUES
L.M. Mangus+, J.L. Dorsey, and J.L. Mankowski
Keyword: Infectious Disease

E-9
PATHOGENICITY OF A NOVEL REASSORTANT H3N2 SWINE INFLUENZA VIRUS CONTAINING 3 GENES FROM 2009 PANDEMIC H1N1 INFLUENZA VIRUS
B. Bawa, J. Ma, H. Shen, Q. Liu, W. Qi, R.A. Hesse, J.A. Richt, and W. Ma
Keyword: Infectious Disease

E-10
PATHOGENICITY OF BRACHYSPIRA SPP. CLINICAL ISOLATES FOLLOWING ORAL INOCULATION IN PIGS
E.R. Burrough, D.M. Madson, B.L. Wilberts, and K.J. Schwartz
Keyword: Infectious Disease

E-11
THE EFFECT OF CLOSTRIDIUM PERFRINGENS TYPE C AND ITS BETA TOXIN NULL MUTANT IN GOATS
J.P. García+, J. Saputo, D.J. Fisher, S. Sayeed, B.A. McClane, H. Posthaus, and F.A. Uzal
Keyword: Infectious Disease

E-12
TYPE IV PILUS OF PSEUDOMONAS AERUGINOSA IS IMPORTANT FOR RESISTANCE TO SP-A MEDIATED PHAGOCYTOSIS, AGGREGATION, MEMBRANE PERMEABILITY AND MOUSE LUNG CLEARANCE
R.M. Tan+, Z. Kuang, Y. Hao, and G.W. Lau
Keyword: Infectious Disease
E-13
MITIGATION OF PRION PATHOGENICITY BY HEAT SHOCK PROTEIN 72 IN VITRO
C.E. Hoover, M.J. Oglesbee, M.D. Zabel, and E.A. Hoover
Keyword: Infectious Disease

E-14
PERSISTENT ACCUMULATION OF EXPERIMENTAL AND NATURAL SCRAPIE PRION PROTEIN IN HTERT-IMMORTALIZED OVINE MICROGLIAL CELLS
J.F. Muñoz, D.A. Schneider, T.V. Baszler, and J.B. Stanton
Keyword: Infectious Disease

E-15
CHARACTERIZATION OF CANADIAN CHRONIC WASTING DISEASE ISOLATES IN TRANSGENIC MICE
G.B. Mitchell, A. Staskevicius, P. Shaffer, S. Foster, D. Ghazi, N. Yogasingam, I. Walther, and A. Balachandran
Keyword: Infectious Disease

E-16
COMPARATIVE ASPECTS OF BOVINE SPONGIFORM ENCEPHALOPATHY ISOLATES FOUND IN THE U.S.
J.J. Greenlee, J.D. Smith, C.E. Vrentas, M.H. West Greenlee, and E.M. Nicholson
Keyword: Infectious Disease

E-17
CATIONIC SMALL-MOLECULE INHIBITORS OF SCRAPIE PRION ACCUMULATION
J.B. Stanton, D.A. Schneider, K.D. Dinkel, B.F. Balmer, T.V. Baszler, B.A. Mathison, D.W. Boykin, and A. Kumar
Keyword: Infectious Disease

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Keyword: Eye and Ear

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J.M. Snyder, M.Y. Chang, E. Cudaback, C. Hagan, and C.W. Frevert
Keyword: Nervous System
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C. Huang+, G. Zhang, M. Zhou, and Z. Fu
Keyword: Nervous System

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Keyword: Nervous System

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T. Thaiwong+, M. Kiupel, and V. Yuzbasiyan-Gurkan
Keyword: Neoplasia

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CANINE OSTEOSARCOMA: SURGICAL ORTHOTOPIC IMPLANTATION MODEL
B.K. Chaffee+, F. Xu, and M.J. Allen
Keyword: Neoplasia

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L.T. Reed, D. Palmieri, and P.S. Steeg
Keyword: Neoplasia

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S. Meeker+, A. Seamons, J. Paik, T. Brabb, P.M. Treuting, and L. Maggio-Price
Keyword: Neoplasia
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S. Meeker, A. Seamons, J. Paik, T. Brabb, P.M. Treuting and L. Maggio-Price
Keyword: Neoplasia

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J. Gary+, S. Zhang, D. Tran, A. Michalowski, and B. Mock
Keyword: Neoplasia

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L.J. Hennings, A. Rittenhouse, T. Fletcher, and N. Rusch
Keyword: General Topic

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L.J. Hennings, M.A. Esmaeili, M. Panahi, S. Yadav, and M. Kiaei
Keyword: Alimentary

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Keyword: Alimentary

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F. Aeffner+, A.A. Gaughan, L.M. Joseph, and I.C. Davis
Keyword: Respiratory System

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Keyword: Respiratory System
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Keyword: Infectious Disease

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Keyword: Cardiovascular

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Keyword: Liver and Pancreas

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Keyword: Cardiovascular

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J. Foote, F. Kabir, P. Deinnocentes, R. Cattley, E. Graff, B. Smith, and R.C. Bird
Keyword: Immune System

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Keyword: Reproductive System
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Keyword: Immune System

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Keyword: Immune System

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Keyword: Immune System

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S. Nakamura, K. Ochiai, A. Abe, S. Kishi, Y. Sunden, and T. Umemura  
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D. Santillan, B. Yang, S. Hunter, C. Sigmund, and M.
Santillan
Keyword: Reproductive System

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INDUSTRIAL AND TOXICOLOGIC
PATHOLOGY POSTER PRESENTATIONS

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MACAQUES
L. Cregar and A. Aulbach
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E. Singletary, and R.C. Sills
Keyword: Toxicologic Pathology

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S. McGraw, S. Siso, L. Lowenstein, J. Luff, B. Murphy, M. Kent, K. Hansen, K. Vernau, and L. Lowenstine
Keyword: Nervous System

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P. Wesche, P. Allen, and L. Petrie-Hanson
Keyword: Toxicologic Pathology

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Keyword: Toxicologic Pathology

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B. LeRoy, E. Blomme, G. Gagne, and D. Cugier
Keyword: Toxicologic Pathology

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M.W. Leach, P.E. Mascarelli, N. Balakrishnan, C.M. Rohde, C. Kelly, C. Disque, S. Keim, E.B. Breitschwerdt, and R.G. Maggi
Keyword: Infectious Disease

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M. Novilla, K. Jackson, D. Reim, S. Jacobson, and R. Nagata
Keyword: Liver and Pancreas
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L. Cregar, A. Aulbach, and S. Denham
Keyword: Toxicologic Pathology

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Keyword: Toxicologic Pathology

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Keyword: Primates
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Keyword: Respiratory System

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K. Hughes+, T.H. Cardon, A.K. Foote, and C.J. Watson  
Keyword: Mammary

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C. Harbison+ and S. Westmoreland
Keyword: Primates

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Keyword: Respiratory System

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Keyword: Mammary

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Keyword: Mammary

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Keyword: Neoplasia

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Keyword: Mammary

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Keyword: Immune System

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Keyword: Wildlife

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Keyword: Primates

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K.S. Im, N.H. Kim, H.Y. Kim, and J.H. Sur
Keyword: Mammary

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Keyword: Infectious Disease

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Keyword: Bone and Joint

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Keyword: Neoplasia

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Keyword: Mammary

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Keyword: Urinary System

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Keyword: Wildlife

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Sunday, December 2.......................9:30 a.m.–4:30 p.m.
Monday, December 3......................9:30 a.m.–1:00 p.m.
Tuesday, December 4......................9:30 a.m.–3:30 p.m.

Authors have been invited to be present at their poster during the Focused Poster Session on Saturday, December 1 from 7:00 p.m.–8:30 p.m.

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RENAL OSTEOODYSTROPHY ASSOCIATED WITH JUVENILE NEPHROPATHY IN A 6-MONTH-OLD LABRADOR RETRIEVER

S. Tankersley, J. Cooley, E. Baravik-Munsell, and E. Brinkman-Ferguson

1College of Veterinary Medicine, Mississippi State University; 2Department of Pathobiology & Population Medicine, Mississippi State University; 3Department of Clinical Sciences, Mississippi State University

Poster #2
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A RETROSPECTIVE STUDY OF EQUINE ACTINOBACILLOSIS, 1999-2011

Q.D. Layman, G.B. Rezabek, B.C. Love, and A.W. Confer
Oklahoma State University Center of Veterinary Health Sciences, Department of Veterinary Pathobiology
Stillwater, OK; Oklahoma Animal Disease Diagnostic Laboratory, Stillwater, OK

Poster #3
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A COMPARISON OF TWO HEMATOLOGY ANALYZERS USING BLOOD FROM LABORATORY RATS

B.A. Meyer, M.C. Cora, D. King, D.M. Kurtz, and G.S. Travlos

1The University of Georgia, College of Veterinary Medicine, Athens, GA; 2Cellular and Molecular Pathology Branch, National Toxicology Program; 3Comparative Medicine Branch, NIEHS, NIH, DHHS, Research Triangle Park, NC
Poster #4
Section: Experimental Disease
NODULAR Astrocytosis in SIMIAN IMMUNODEFICIENCY INFECTED RHESUS MACAQUES (MACACA MULATTA)
K.Y. Petrosky¹, S.V. Westmoreland², and A.D. Miller²
¹Tufts Cummings School of Veterinary Medicine, North Grafton, MA; ²New England Primate Research Center, Harvard Medical School, Southborough, MA

Poster #5
Section: Experimental Disease
IN VIVO ANALYSIS OF MENINGEAL STROMAL CELLS IN THE LIVING BRAIN DURING VIRAL MENINGITIS
T.J. Peat¹, P.A. Swanson², and D.B. McGaever²
¹Purdue University College of Veterinary Medicine; ²National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD

Poster #6
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TRANSFERRIN RECEPTOR EXPRESSION IN SERUM EXOSOMES AS A MARKER OF EQUINE REGENERATIVE ANEMIA
Microbiology, Immunology, and Pathology Department, Colorado State University, Fort Collins, CO

Poster #7
Section: Clinical Case Report/Series
SEROPREVALENCE AND ISOLATION OF BRUCELLA CANIS OF DOGS IN THE UNITED KINGDOM
H. Metcalf¹, A. McAllister², Y. Wong¹, K. Pratschke¹, C. Makloski³, and C.G. Lamm⁴
¹School of Veterinary Medicine, University of Glasgow, UK; ²Dogs Trust Rehoming Centre, Glasgow, UK; ³JEH Equine Reproduction Specialists, Whitesboro, TX, US, ⁴IDEXX Laboratories, Sacramento, CA, US
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AORTIC ANEURYSM IN A NORTHERN SEA OTTER (ENHYDRA LUTRIS KENYONI) FROM SOUTHEAST ALASKA

T. Welsh¹, K. Burek-Huntington², V. Gill³, K. Worman³, and B. Byrne⁴
¹University of Georgia, College of Veterinary Medicine, Athens, GA; ²Alaska Veterinary Pathology Services, Eagle River, AK; ³Marine Mammals Management Program, US Fish and Wildlife Service, Anchorage, AK; ⁴Department of Pathology, Microbiology, and Immunology, University of California, School of Veterinary Medicine, Davis, CA

Poster #9
Section: Experimental Disease
CHARACTERIZATION OF A CYNOLOGUS MACAQUE MODEL OF POSTMENOPAUSAL CEREBROVASCULAR ATHEROSCLEROSIS

K. Lisenbee¹,², G. Melendez³, E. Floyd³, and T.B. Clarkson²
¹Oklahoma State University, College of Veterinary Medicine, Stillwater, OK; ²Department of Comparative Medicine, Wake Forest University School of Medicine, Winston-Salem, NC

Poster #10
Section: Clinical Case Report/Series
SEGMENTAL SYRINGOMYELIA IN A HOLSTEIN-FRIESIAN CALF

W.M. Burnside¹, S.J. Sharpe¹, J.D. Gaudy¹, A.D. Miller², and C.G. Lamm¹
¹School of Veterinary Medicine, University of Glasgow, UK; ²New England Primate Research Center, Harvard Medical School, Southborough, MA, US

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CHARACTERIZATION OF IAPP IN A POLAR BEAR SUFFERING FROM A Pancreatic Islet Cell Tumor

J.S. Fortin and M.-O. Benoit-Biancamano
Department of Pathology and Microbiology, Faculty of Veterinary Medicine, University of Montreal, Saint-Hyacinthe, QC, Canada
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Section: Clinical Case Report/Series
CANINE ANAL SAC GLAND CARCINOMAS: COMPARISON OF CLINICAL AND HISTOPATHOLOGIC FEATURES OF TUMORS WITH AND WITHOUT METASTASIS
L. Celano¹, S. Bender², and A. Durham²
¹University of Pennsylvania School of Veterinary Medicine; ²Department of Pathobiology, University of Pennsylvania

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1Aquatic Animal Health Program, Department of Microbiology and Immunology, College of Veterinary Medicine, Cornell University, Ithaca, NY; 2Department of Agriculture and Natural Resources, College of Agriculture and Related Sciences, Delaware State University, Dover, DE

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¹Scott-Ritchey Research Center, Auburn University College of Veterinary Medicine, Auburn, AL; ²Department of Anatomy, Physiology, and Pharmacology, Auburn University College of Veterinary Medicine, Auburn, AL; ³Department of Pathobiology, ⁴Department of Clinical Sciences, Auburn University College of Veterinary Medicine, Auburn, AL

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Stephen W. Barthold, DVM, PhD*
Distinguished Professor, Center for Comparative Medicine, University of California, Davis, CA

Gillian L. Beamer, VMD, PhD*
Assistant Professor, Department of Biomedical Sciences Infectious Diseases, Tufts Cummings School of Veterinary Medicine, North Grafton, MA

Katie Boes, DVM*
Clinical Instructor in Clinical Pathology, Department of Biomedical Sciences and Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg, VA

Guy Boivin, MD, MSC, FRCPC
Canada Research Chair, Emerging Viruses and Antiviral Resistance Infectious Disease Research Center, University of Laval and Center Hospital University of Québec, QC, Canada

Brad N. Bolon, DVM, PhD, DABT, FATS, FIATP*
Associate Professor, Clinical and Associate Director, Comparative Pathology and Mouse Phenotyping Shared Resources, The Ohio State University, Columbus, OH

Kelli Boyd, DVM, PhD*
Associate Professor, Pathology Microbiology and Immunology, Director, Research Histology and Comparative Pathology, Translational Pathology Shared Resource, and Associate Director, Comparative Pathology, Division of Animal Care, Vanderbilt University, Nashville, TN

Cory Brayton, DVM, PhD*
Associate Professor of Molecular and Comparative Pathobiology and Director, Phenotyping Core, Johns Hopkins University, Baltimore, MD

Wendy Brown, PhD
Regents Professor, Department of Microbiology and Pathology, Washington State University, Pullman, WA

Sharon Center, DVM
Professor, Cornell University School of Veterinary Medicine, Ithaca, NY

Dianne Creasy, PhD, DipRCPath, FRCPPath
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John M. Cullen, VMD, PhD*
Professor, North Carolina State University College of Veterinary Medicine, Raleigh, NC

Amy DeClue, DVM, MS, DACVIM (SAIM)
Assistant Professor of Veterinary Internal Medicine and Associate Director of the Comparative Internal Medicine Laboratory, University of Missouri, Columbia, MO

Dennis DeNicola, DVM, PhD*
Chief Veterinary Educator and Clinical Pathologist, IDEXX, Westbrook, ME

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Managing Editor, Veterinary Pathology, Cary, NC

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Robert Foster, BVSc, PhD*
Professor, OVC Pathobiology, University of Guelph, Guelph, ON, Canada

Kathleen Freeman, DVM, PhD, DECVP, FRCPath
Senior Veterinary Clinical Pathologist, IDEXX Laboratories, Weatherby, United Kingdom

Charles Frevert, DVM, ScD
Associate Professor, University of Washington Department of Comparative Medicine, Seattle, WA

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Associate Editor, Veterinary Pathology, Lansdowne, PA

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Professor and Head, Department of Microbiology, Montana State University, Bozeman, MT

Laura Keener, MT
Senior Clinical Laboratory Manager, San Diego Zoo Global, San Diego, CA

John M. King, DVM, PhD*
Ithaca, NY

Matti Kiupel, DrMedVetHabil, PhD*
Professor, Section-Chief of Anatomic Pathology, Michigan State University, Lansing, MI

Sue Knoblaugh, DVM*
Comparative Pathologist, Comparative Medicine Shared Resource, Fred Hutchinson Cancer Research Center, Seattle, WA

Donald P. Knowles, DVM, PhD*
Research Leader, Animal Disease Research Unit, Agricultural Research Service, USDA and Department of Veterinary Microbiology and Pathology, Washington State University, Pullman, WA

Thijs Kuiken DVM, PhD*
Erasmus MC, Professor of Comparative Pathology, Department of Pathology, Rotterdam, The Netherlands

Krista La Perle, DVM, PhD*
Associate Professor, Comparative Pathology and Mouse Phenotyping Shared Resource, The Ohio State University, Columbus, OH

Arian Laurence, PhD
Staff Scientist, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Bethesda, MD

Ruth Lightfoot-Dunn, BVetMed, PhD, CertVOphthal, FRCPath
Vice President, Comparative Biology and Safety Sciences, Amgen, Inc., Thousand Oaks, CA

* ACVP Diplomate
Clare Lloyd, PhD
Wellcome Senior Research Fellow in Basic Biomedical Science and
Professor of Respiratory Immunology, Head of Leukocyte Biology Section,
National Heart and Lung Institute, Imperial College, South Kensington,
London, United Kingdom

Mary Hewitt Loveless MD
Professor, Department of Pathology, Stanford University School of
Medicine, Stanford, CA

David E. Malarkey, DVM, PhD*
Head, Pathology Group NTP/NIEHS, National Institutes of Environmental
Health Sciences, Research Triangle Park, NC

Joseph Mankowski, DVM, PhD*
Associate Professor of Molecular and Comparative Pathobiology, Associate
Professor of Pathology, and Associate Professor of Neurology, Johns
Hopkins University School of Medicine, Baltimore, MD

Joanne Mansell, DVM, MRCVS*
Professor, Veterinary Pathobiology, College of Veterinary Medicine, Texas
A&M University, College Station, TX

Robert R. Maronpot, DVM, MPH*
President, Maronpot Consulting, LLC, Raleigh, NC

Nicola Mason, BVetMed, PhD, DACVIM
Pamela Cole Chair in Companion Animal Medicine, University of
Pennsylvania, Philadelphia, PA

Sean McDonough, DVM, PhD*
Associate Professor, Cornell University School of Veterinary Medicine,
Ithaca, NY

Timothy J. McGovern, PhD
Managing Consultant, SciLucent, LLC, Herndon, VA

Joanna B. Messick, VMD, PhD*
Associate Professor of Veterinary Clinical Pathology, Purdue University
College of Veterinary Medicine, West Lafayette, IN

Donald J. Meuten, DVM, PhD*
Professor of Pathology, College of Veterinary Medicine, North Carolina
State University, Raleigh, NC

David K. Meyerholz, DVM, PhD, DACVM*
Director, Division of Comparative Pathology, Department of Pathology,
University of Iowa Carver College of Medicine, Iowa City, IA

Margaret Miller, DVM, PhD*
Professor, Purdue University, West Lafayette, IN

Robert Murnane, DVM*
Veterinary Pathologist, University of Washington, Washington National
Primate Research Center, Seattle, WA

Geoff Norman, BSc(Hons), MA, PhD
Assistant Dean, Programme for Educational Research and Development,
McMaster University, Hamilton, ON, Canada

Klaus Osterrieder, PhD
Institut fuer Virologie, Freie Universitaet Berlin, Berlin, Germany
Robert Palermo, PhD
Assistant Professor of Microbiology, Washington National Primate Research Center, University of Washington, Seattle, WA

Guy Palmer, DVM, PhD*
Regents Professor of Pathology and Infectious Diseases, The Jan and Jack Creighton Endowed Chair, Director, Paul G. Allen School for Global Animal Health, Washington State University, Pullman, WA

Saverio Paltrinieri, DVM, PhD, DECVP
Associate Professor, Department of Veterinary Pathology, University of Milan, Milan, Italy

Stanley B. Prusiner, MD
Professor of Neurology and Director, Institute for Neurodegenerative Diseases, University of California, San Francisco, San Francisco, CA

Julie Randolph-Habecker, PhD
Director, Experimental Histopathology Shared Resources, Fred Hutchinson Cancer Research Center, Seattle, WA

Jo Lynne W. Raymond, DVM*
Colonel, United States Army Veterinary Corps (retired), Harpers Ferry, WV

Willie Reed, DVM, PhD, DACPV*
Dean, College of Veterinary Medicine, Purdue University, West Lafayette, IN

Robert A. Roth, PhD
Professor of Pharmacology and Toxicology and Director, Graduate Program in Environmental and Integrative Toxicological Sciences, Michigan State University, East Lansing, MI

Barry T. Rouse, BVSc, PhD, DSc
Lindsay Young Distinguished Professor of Microbiology, Department of Pathobiology, College of Veterinary Medicine, University of Tennessee, Knoxville, TN

David K. Ryugo, PhD
Curran Foundation Chair of Neuroscience, Garvan Institute of Medical Research, Darlinghurst, Australia

Vito G. Sasseville, DVM, PhD*
Executive Director, Discovery Investigative Pathology, Preclinical Safety, Novartis Institutes for BioMedical Research, Inc., Cambridge, MA

Danny W. Scott, DVM, ACVD*
Professor of Medicine, Department of Clinical Sciences, College of Veterinary Medicine, Cornell University, Ithaca, NY

Rani Sellers, DVM, PhD*
Associate Professor, Pathology, Scientific Director, Histology and Comparative Pathology, Albert Einstein College of Medicine Cancer Center, Bronx, NY

Darcy Shaw, DVM, MVSc, MBA, ACVIM*
Associate Dean, Professional Services, Atlantic Veterinary College, University of Prince Edward Island, Charlottetown, PE, Canada

Kenny Simpson, BVM&S, PhD, DACVIM
Professor of Medicine, College of Veterinary Medicine, Cornell University, Ithaca, NY

*ACVP Diplomat
William Siska, DVM  
Clinical Pathology Resident/Teaching Assistant, Purdue University, West Lafayette, IN

Judy St. Leger, DVM*  
Corporate Director of Pathology and Research, SeaWorld Parks and Enterprises, San Diego, CA

Jaime Tarigo, DVM*  
Veterinary Clinical Pathologist, Veterinary Health Center, North Carolina State University, Raleigh, NC

Karen A. Terio DVM, PhD*  
Clinical Associate Professor, Zoological Pathology Program, University of Illinois, Maywood, IL

Mary Anna Thrall, DVM*  
Professor and Section Chief, Pathobiology, Ross University School of Veterinary Medicine, Basseterre, St. Kitts, West Indies

Piper Treuting, DVM*  
Associate Professor and Chief of Comparative Pathology Services, University of Washington, Seattle, WA

Dale Umetsu, MD, PhD  
The Prince Turki al Saud Professor of Pediatrics, Division of Immunology, Karp Laboratories, Children’s Hospital Boston and Harvard Medical School, Boston, MA

Renee van Sprundel, DVM  
Veterinarian, Department of Clinical Sciences of Companion Animals, Faculty of Veterinary Medicine, Utrecht University, Utrecht, The Netherlands

Steven M. Varga, PhD  
Associate Professor of Microbiology, Department of Microbiology, University of Iowa, Iowa City, IA

Justin D. Vidal, DVM, PhD*  
Director and Head of Pathology, GlaxoSmithKline, King of Prussia, PA

Dario Vignali, PhD  
Vice Chair and Member, Department of Immunology, St. Jude Children’s Research Hospital, Memphis, TN

Dania Villarnovo, BSc, DVM  
Clinical Pathology Resident, Atlantic Veterinary College, University of Prince Edward Island, Charlottetown, PE, Canada

Peter Vogel, DVM, PhD*  
Director, Veterinary Pathology, St. Jude Children’s Research Hospital, Memphis, TN

Bettina Wagner, DVM, DrMedVetHabil  
Associate Professor in Immunology, Cornell University College of Veterinary Medicine, Ithaca, NY

Michael Willard, DVM, DACVIM  
Professor, Department of Small Animal Clinical Sciences, College of Veterinary Medicine, Texas A&M University, College Station TX

Jeff Wolf, DVM*  
Pathology Manager and Senior Veterinary Pathologist, EPL, Inc., Sterling, VA

*ACVP Diplomate
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ASVCP
The American Society for Veterinary Clinical Pathology
2424 American Lane, Madison, WI 53704-3102 USA
+1-608-443-2479 • info@asvcp.org • www.asvcp.org