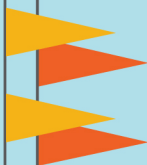




American College of
Veterinary Pathologists



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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STUDENT CHAPTER TRAVEL AWARDS

- ACVP thanks the following
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Chapter Travel Awards:
- Genentech, Inc.
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ASVCP 2012 SPONSORS

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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
-

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**Remember to look us up on
Facebook and Twitter.**

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INTRODUCTION

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

2012 ACVP EDUCATION COMMITTEE

Education Committee Chair

Kendall S. Frazier, DVM, PhD*

Program Chair

Jerry W. Ritchey, DVM, PhD*

Education Committee

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Kelli L. Boyd, DVM, PhD*
Nathaniel Collins, DVM, PhD*
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Jennifer A. Neel, DVM*
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Donna Bouley, DVM, PhD*
Gary L. Cockerell, DVM, PhD*
Kendall S. Frazier, DVM, PhD*
Keith Mansfield, DVM, PhD*
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ACVP FOCUSED SCIENTIFIC GROUPS

Focused Scientific Group Chair

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

Ana Alcaraz, DVM, PhD* (Chair)
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 Dochterman, 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

Jennifer A. Neel, DVM* (Chair)
Anne Provencher Bolliger, DVM, MSc, DECVCP*
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*
Marlyn S. Whitney, DVM, PhD*

REGISTRATION

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.

MEETING ROOMS

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
- Grand Ballroom
- Madrona
- Cedar
- Juniper
- Willow

3rd Floor, Main Building

- Capital Hill
- Kirkland
- Metropolitan
- Greenwood
- Leschi
- Ravenna
- Issaquah

4th Floor, Pike Street Tower

- Aiki Boardroom
- Richmond Boardroom

4th Floor, Union Street Tower

- Boren
- Seneca
- Columbia
- Virginia

35th Floor, Pike Street Tower

- Cirrus Room

SOCIAL MEDIA

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.

CAREER CENTER

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.

ACVP TOWN HALL BUSINESS MEETING

Sunday, December 2, 2012

6:00 p.m.–7:30 p.m.

Room 608, Washington State Convention Center

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.

SPEAKER READY ROOM

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.*

If Your Presentation Date/Time is...	Then Your Time to Load Your Presentation is...
Sunday, December 2 Between 8:00 a.m.–12:00 noon	Report prior to 7:00 p.m. on Saturday, December 1
Sunday, December 2 Between 1:30 p.m.–5:00 p.m.	Report prior to 10:30 a.m. on Sunday, December 2
Monday, December 3 Between 8:00 a.m.–12:00 noon	Report prior to 5:00 p.m. on Sunday, December 2
Tuesday, December 4 Between 8:00 a.m.–12:00 noon	Report prior to 5:00 p.m. on Monday, December 3
Tuesday, December 4 Between 1:30 p.m.–5:00 p.m.	Report prior to 10:30 a.m. on Tuesday, December 4
Wednesday, December 5 Between 8:00 a.m.–12:00 noon	Report prior to 3:00 p.m. on Tuesday, December 4
Wednesday, December 5 Between 1:00 p.m.–5:00 p.m.	Report prior to 10:30 a.m. on Wednesday, December 5

**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).*

AWARDS

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

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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

plus \$1,000 to be used for lodging and travel to the 2013 STP Annual Meeting, which will take place June 16–20, in Portland, Oregon, and may be asked to present the poster at that meeting.

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

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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 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!

VERY IMPORTANT PATHOLOGIST PROGRAM

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.)

ACVP/ASVCP PROCEEDINGS ONLINE!

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

Marlyn 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.

COMMITTEE MEETINGS

FRIDAY, NOVEMBER 30

ASVCP Executive Board

1:00 p.m.–9:00 p.m.

Alki Boardroom, Sheraton Hotel (4th floor, Pike Street Tower)

SATURDAY, DECEMBER 1

ASVCP Executive Board

8:00 p.m.–4:00 p.m.

Alki Boardroom, Sheraton Hotel (4th floor, Pike Street Tower)

Council

8:00 a.m.–5:00 p.m.

Room 209, WSCC#

ACVP Council and ASVCP Executive Board Meeting

12:00 noon–1:30 p.m.

Cirrus, Sheraton Hotel (35th Floor, Pike Street Tower)

Veterinary Pathology Editors Luncheon

12:00 noon–2:00 p.m.

Boren, Sheraton Hotel (4th Floor, Union Street Tower)

ACVP Education Committee

3:00 p.m.–7:30 p.m.

Columbia, Sheraton Hotel (4th Floor, Union Street Tower)

ASVCP Executive Board and Committees

4:00 p.m.–6:00 p.m.

Greenwood, Sheraton Hotel (3rd Floor, Main Building)

Exam Committee

6:00 p.m.–9:00 p.m.

Issaquah, Sheraton Hotel (3rd Floor, Main Building)

ASVCP Education Committee

8:00 p.m.–9:00 p.m.

Boren, Sheraton Hotel (4th Floor, Union Street Tower)

SUNDAY, DECEMBER 2

ASVCP Outreach Committee

7:00 a.m.–8:00 a.m.

Richmond Boardroom, Sheraton Hotel (4th Floor, Pike Street Tower)

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.

Juniper, Sheraton Hotel (2nd 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)

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)

SAFETY AND SECURITY

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.

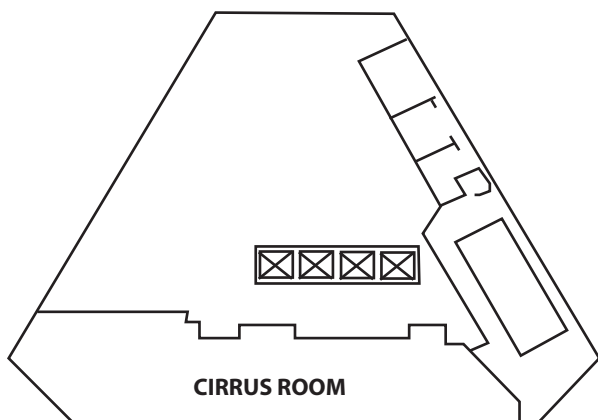
4. Ask at the Sheraton Hotel front desk or concierge desk about the neighborhood around the hotel so you know what streets to avoid. Be aware of your surroundings while walking around downtown. Like any major city, Seattle is not immune from crime. Exercise caution at all times.

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.

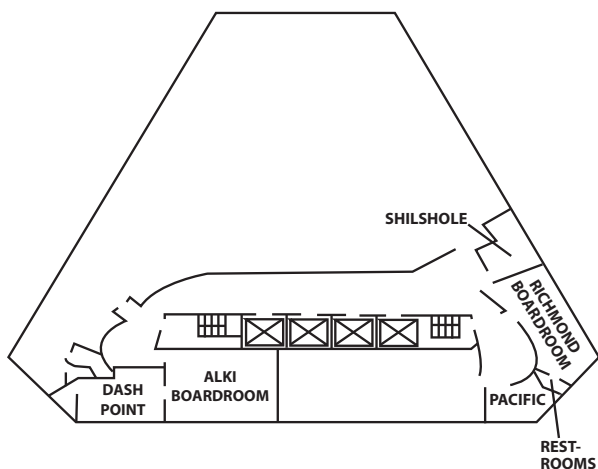
Thank you for attending this meeting, and we hope you enjoy your experience.

MEETING ROOM FLOOR PLANS

SHERATON SEATTLE HOTEL
35TH FLOOR - PIKE STREET TOWER

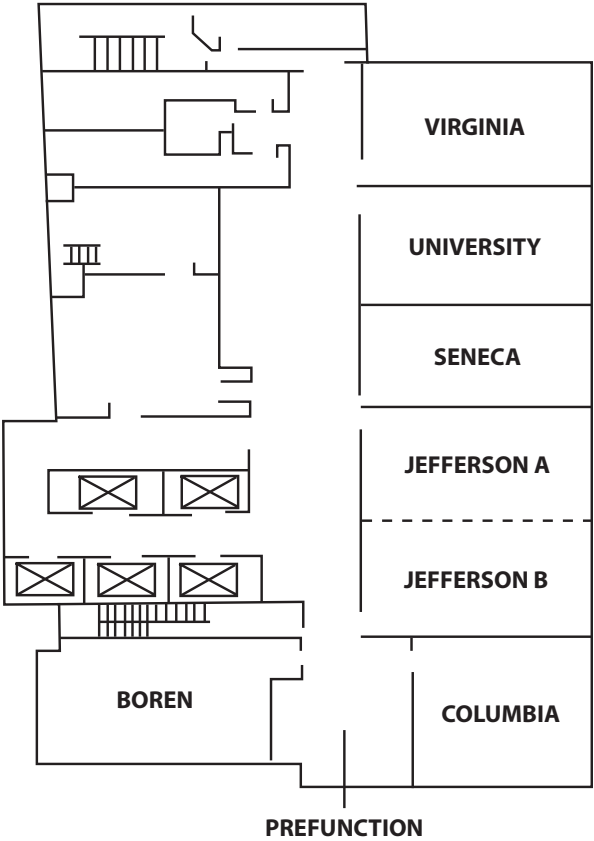


SHERATON SEATTLE HOTEL
4TH FLOOR - PIKE STREET TOWER



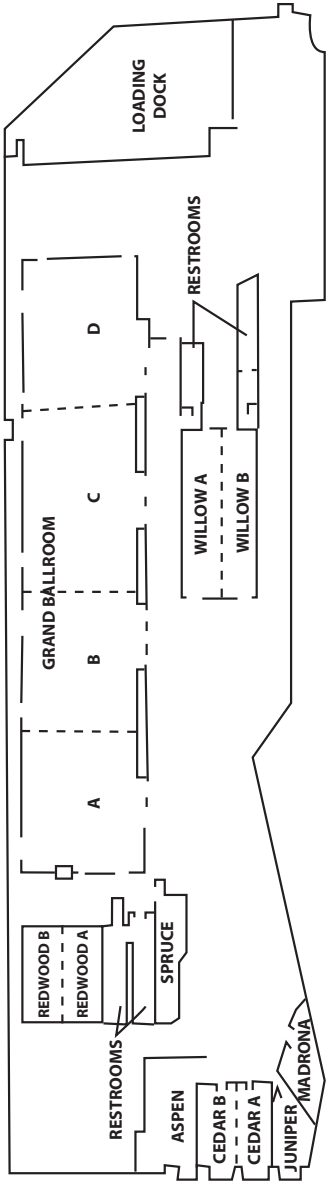
MEETING ROOM FLOOR PLANS

SHERATON SEATTLE HOTEL
4TH FLOOR - UNION STREET TOWER



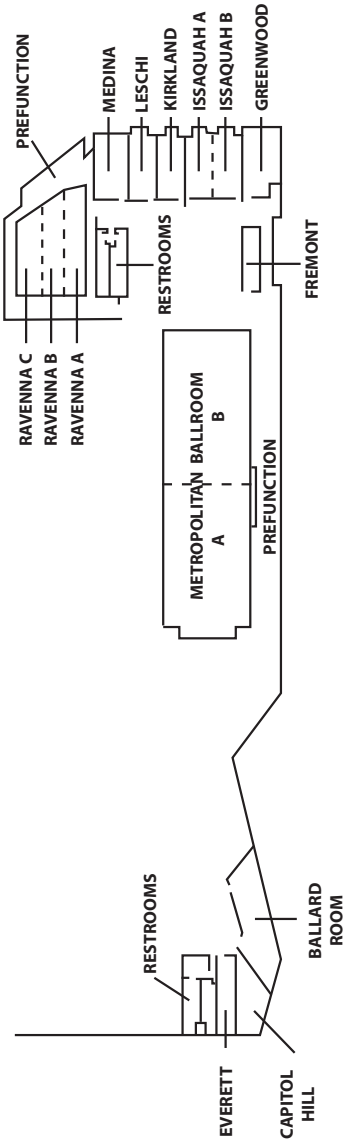
MEETING ROOM FLOOR PLANS

SHERATON SEATTLE HOTEL - 2ND FLOOR, MAIN BUILDING



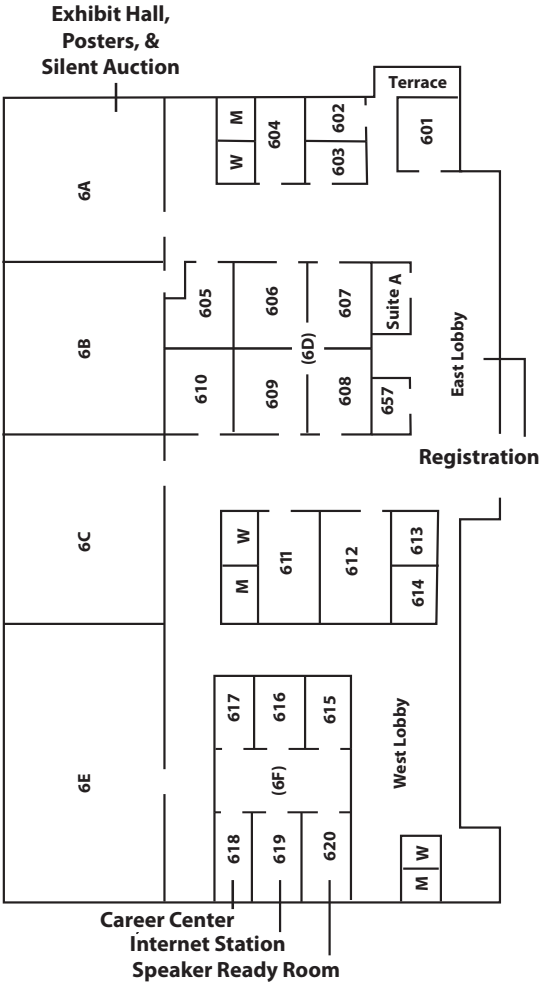
MEETING ROOM FLOOR PLANS

SHERATON SEATTLE HOTEL - 3RD FLOOR, MAIN BUILDING



MEETING ROOM FLOOR PLANS

WASHINGTON STATE CONVENTION CENTER - LEVEL 6



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, DECV

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)

Sunday, December 2, 2012

11:05 a.m.–12:00 p.m.

**A New Era in Veterinary Vaccine Development:
Cytosine Zoonosis 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

Sunday, December 2, 2012

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 XENOGRFT
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

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*)

D.M. Imai, P.M. Gaffney, T.D. O'Brien, L. Munson and D.L. Clifford

Keyword: Wildlife

8:45 a.m.–9:00 a.m.

NECROSUPPURATIVE POLYARTHRITIS ASSOCIATED WITH A NOVEL POXVIRUS IN BIG BROWN BATS (*EPTESICUS 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 BUDGERIGARS

N. Wakamatsu, R. MacLean, C. Field, H. Fukushima, 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

Sunday, December 2, 2012

11:00 a.m.–11:15 a.m.

THE PATHOGENESIS OF RUT-ASSOCIATED BRAIN ABSCESES IN MALE WHITE-TAILED DEER

M.K. Keel, K. Miller, B. Cohen, E. Belser, and D. Osborne

Keyword: Infectious Disease

11:15 a.m.–11:30 a.m.

HEPATIC ENCEPHALOMYELOPATHY IN 10 GOAT KIDS ASSOCIATED WITH CONGENITAL PORTOSYSTEMIC SHUNTING (CPSS)

H. Kinde, P. Pesavento, J. Adaska, B. Barr, M. Anderson, A.P. Loretto, and M. Jones

Keyword: Nervous System

Invited Speaker

11:30 a.m.–12:00 noon

DYSFUNCTIONAL 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)

12:15 p.m.–1:15 p.m. Room 608, WSCC
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.

EFFECT 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

A.G. Cino-Ozuna[^], P.S. Malhi, S.C. Henry, L.M. Tokach, D. van der Merwe, and K.M. Almes

Keyword: Nervous System

3:45 p.m.–4:00 p.m.

SPONTANEOUS CONGENITAL EPIDERMOLYSIS BULLOSA IN SPRAGUE DAWLEY RATS

K.B. Eden[^], A. Peterson, R. Payne, W.V. Corapi, J. Mansell, and A. Rodrigues

Keyword: Skin

Sunday, December 2, 2012

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**

*L.K. Crawford[^], R.R. Sim, A.N. Wack, E. Bronson, J.L.
Mankowski, and R.J. Montali*

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 PRE-ERYTHROCYTIC STAGES, BUT NEITHER B NOR T LYMPHOCYTES ARE REQUIRED TO ESTABLISH INFECTION *IN VIVO*

J.D. Ramsay[^], M.W. Ueti, W.C. Johnson, G.A. Scoles, D.P. Knowles, and R.H. Mealey

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. Aeffer[^], 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

S.A. Montgomery[^], K.A. Stoermer, L. Oko, A. Burrack, R.G. Gill, L.B. Borst, and T.E. Morrison

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

Sunday, December 2, 2012

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[^], L. Wachtman, J. MacKey, D. Xia, A.
Hachey, K.G. Mansfield, A.D. Miller and S.V. Westmoreland

Keyword: Liver and Pancreas

[^]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*

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**

K.J. Esch, E.M. Whitley, S.M.B. Jeronimo, J.S. Haynes, and
C.A. Petersen

Keyword: Urinary System

1:45 p.m.–2:00 p.m.

**HEPATIC LESIONS IN 90 CAPTIVE NON-DOMESTIC
FELIDS PRESENTED FOR NECROPSY**

J.M. Bernard, K.M. Newkirk, A.E. McRee, E.C. Ramsay,
and J.C. Whittemore

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.

DABBLINGS 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**

*L. Caviccholi, V. Zappuli, F. Lunardi, R. Zanetti, C.E.
Reusch, and E. Zini*

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.*

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[illegible]

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

Monday, December 3, 2012



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 ($> \text{or} = 90\%$) and a low probability of false rejection ($< \text{or} = 5\%$). A computerized program for QC Validation (EZRules3) will be demonstrated.

10:00 a.m.–10:30 a.m. 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, DECVCP, FRCPath

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

9:30 a.m.–1:00 p.m. Exhibit Hall 6A, WSCC
Exhibits

**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

Monday, December 3, 2012

ACVP & ASVCP 2012 • Monday, December 3

1:45 p.m.–3:00 p.m.....Metropolitan A,
Meet the Pathologists: Sheraton Hotel

A Discussion of Careers in Pathology

*Claire B. Andreasen, DVM, PhD**

*Joshua D. Webster, DVM, PhD**

*Amy C. Durham, MS, VMD**

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,
Veterinary Student and Resident Forum Sheraton Hotel

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.

Tuesday, December 4, 2012

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: Marlyn 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**

J. Brudvig, C. Swenson, J. Funk, A. Pires, and L. Sordillo*

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**

U. Jeffery, K. Gervais, F. Mowat, S. Hostetter, and D. Whitley*

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**

J.R. Cook, G.J. Levine, S.C. Kerwin, J. Mankin, G.T. Fosgate, and J.M. Levine*

Keyword: Clinical Pathology, Abstract Number 13

Tuesday, December 4, 2012

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**

Committee Members: R. DiTerlizzi, C. Lamm, S. Newman, J.

Neel, J. Peters, M. Sanchez, and A. Warren (Co-Chair)

Platform Presentations:

8:00 a.m.–8:15 a.m.

DEVELOPMENT OF THE “iVET SCHOOL” 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

9:30 a.m.–9:45 a.m.

**USE OF A CELL PHONE-ENABLED AUDIENCE
RESPONSE SYSTEM FOR TEACHING PATHOLOGY
IN THE VETERINARY SCHOOL CLASSROOM**

B.F. Porter

9:45 a.m.–10:30 a.m. Exhibit Hall 6A, WSCC

Refreshment Break—Visit the Posters and Exhibits!

Invited Speaker

10:30 a.m.–12:00 noon

WORKSHOP ON ASSESSMENT METHODS

G. Norman

8:00 a.m.–12:00 noon..... Room 614, WSCC

ASVCP Veterinary Laboratory Professionals

Session III

Session Chair: Nicole Rosen, MT(ASCP)

8:00 a.m.–9:00 a.m.

**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

Very Important

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

Tuesday, December 4, 2012

12:00 noon–1:30 p.m. Metropolitan A,
Pathology Trainees Sheraton Hotel
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)**
F. Giannitti, L. Woods, A. Mete, D. Clifford, M. Piazza, D.
Naydan, and R. Higgins

1:45 p.m.–2:00 p.m.
**CUTANEOUS MAST CELL TUMOR WITH
EPITHELIOTROPISM IN THREE DOGS**
F.N. Oliveira, J.W. Elliott, B.C. Lewis, G.G. Mathews, R.M.
Brown, C.M. Treadway, and I.M. Langohr
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

D.D. Nelson, G.J. Haldorson, J.B. Stanton, S.S. Han,

C.W. Leathers, K.R. Snekvik, K.G. Boland, S.M.

Noh, S.P. Harris, G.K. Hammac, D.S. Bradway, K.G.

Mansfield, and T.F. McElwain

Keyword: Infectious Disease

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**

A.K. Olivier, H. Sui, J.A. Klesney-Tait, L. Brooks, A.
Martin-Skopec, J. Kline, D.K. Meyerholz, N. Zavazava, M.
Iannettoni, J.F. Engelhardt, and K.R. Parekh

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

4:30 p.m.–4:45 p.m.

**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

4:45 p.m.–5:00 p.m.

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

*R.A. Doty, J. Liu, G. McFadden, E.J. Roy, and A.L.
MacNeil*

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

Tuesday, December 4, 2012

2:50 p.m.–3:30 p.m. Exhibit Hall 6A, WSCC
Refreshment Break—Visit the Posters and Exhibits!

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.

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7:00 a.m.–11:30 a.m. Room 620, WSCC
Speaker Ready Room

7:00 a.m.–1:00 p.m. Room 619, WSCC
Internet Station

8:00 a.m.–11:00 a.m. Columbia, Sheraton Hotel
Student and Guest Hospitality Room

8:00 a.m.–1:30 p.m. East Lobby, Sixth Floor, WSCC
Registration Open

8:00 a.m.–12:00 noon Room 607, WSCC
Concurrent Session III: CD_s and Cytokines
*Session Chairs: Gregg Dean, DVM, PhD**
*Calvin Johnson, DVM, PhD**

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

8:00 a.m.–12:00 noon..... East Lobby, Sixth Floor, WSCC
ACVP Young Investigator Award Winner Poster Session

1:00 p.m.–4:00 p.m..... Room 614, WSCC
Post-Meeting Workshop I

(available at an additional fee)

Immunohistochemistry in Canine and Feline Cancer Diagnosis and Prognosis

*Session Chair: Matti Kiupel, DrMedVetHabil, PhD**

The session will provide an introduction to diagnostic immunohistochemistry, including the technical and logistic aspects of integrating immunohistochemistry into the regular surgical biopsy service. The main topic will be an overview of how immunohistochemistry 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 immunohistochemistry for the prognosis of some of the most common neoplasms in dogs and cats. In addition to immunohistochemistry, 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.

1:00 p.m.–7:00 p.m..... Room 615, WSCC
Primate Pathology 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

[illegible]

ACVP & ASVCP 2012 • Focused Scientific Posters

Focused Scientific Posters will be available for viewing in Exhibit Hall 6A at the Washington State Convention Center (WSCC) at the following times:

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

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.

CLINICAL PATHOLOGY POSTER PRESENTATIONS

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

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

C-3

HEMOSTASIS VARIABLES IN DOGS TREATED WITH TWO DIFFERENT DOSES OF PREDNISONE

R.K. Takahira, F.G. Romao, E.F. Campos, R.S. Mattoso, J.C.F. Pantoja, and R.S. Lopes
Keyword: Hematology, Abstract Number 19

C-4

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

R.K. Takahira, C.R.S. Mattoso, S.L. Beier, R.S. Lopes, and J.P. Araujo Jr.
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

R.K. Takahira, C.M. Thomazini, T.C. Trentin, J.C.F. Pantoja, and J.R. Sartori

Keyword: Avian, Abstract Number 22

C-7

RESIDUAL LEUKOCYTE COUNT IN CANINE PURIFIED PLATELET SAMPLES

S.C. Bulla, S. Trichler, J. Thomason, K. Lunsford, and C. Bulla

Keyword: Hematology, Abstract Number 23

C-8

HIGHLY PURE PLATELET ISOLATION FROM CANINE WHOLE BLOOD

S. Trichler, S.C. Bulla, J. Thomason, C. Bulla, and K. Lunsford

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

F.H. de Alonso, S.P. Mesquita, M.C. Scalón, F.T. Carneiro, W.A.C. da Silva, D.C.S. de Pádua, and G.R. Paludo

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

R.F.C. Vieira, O. Vidotto, T.S.W.J. Vieira, A.M.S. Guimaraes, D.A.G. Nascimento, A.P. Santos, N.C. Nascimento, A.W. Biondo, and J.B. Messick

Keyword: Infectious Disease, Abstract Number 35

C-20

SEROLOGICAL SURVEY OF PIROPLASMOSIS IN HORSES FROM PARANÁ STATE, SOUTHERN BRAZIL

T.S.W.J. Vieira, R.F.C. Vieira, P.M.L. Sicupira, D.A.G. Nascimento, M.A.P. Finger, I. Deconto, I.R. Barros-Filho, A.W. Biondo, and O. Vidotto

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

J.L. Lynch, A.L. Wilcox, E. Baxter, H. Tokuyama, and G.S. Elliott

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**

*E.M.S. Schmidt, A.F.M. Lima, G.J. Santos, C.P. Rubio,
T.F.M. Santos, P.C. Silva, and J.J. Fagliari*

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

M.L. Haynes, J.M. Hammond, W.C. Lee, H. Wamsley, J.S. Knoll, C.G. Couto, M. Wellman, J.A. Christian, M.A. Scott, and D.B. DeNicola

Keyword: Cytology, Abstract Number 51

C-36

PERITONEAL FLUID ANALYSIS WITH THE PROCYTE DX HEMATOLOGY ANALYZER

M.L. Haynes, J.M. Hammond, W.C. Lee, H. Wamsley, J.S. Knoll, C.G. Couto, M. Wellman, J.A. Christian, M.A. Scott, and D.B. DeNicola

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*.

**DIAGNOSTIC PATHOLOGY
POSTER PRESENTATIONS**

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**

*K.A. Fenton+, A.G. Wise, R.K. Maes, S.J. Bursian, and
M. Kiupel*

Keyword: Infectious Disease

D-8

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

D-9

CEREBRAL INFARCTION ASSOCIATED WITH CYTAUXZON FELIS IN TWO CATS

L. Schumacher+, S. Nelson, B. Debey, and A. Gupta

Keyword: Infectious Disease

D-10

DISSEMINATED HETEROBILHARZIA AMERICANA INFECTION AND CONGESTIVE HEART FAILURE IN A LLAMA

K.B. Eden, W.V. Corapi+, and K.F. Snowden

Keyword: Infectious Disease

D-11

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

D-12

EXTENSIVE MESENTERIC TISSUE INVOLVEMENT IN A CASE OF CANINE PYTHIOSIS

P.J. Yang+ and T.E. Rizzi

Keyword: Infectious Disease

D-13

FEMALE REPRODUCTIVE TRACT LESIONS IN CHIMPANZEES

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

Keyword: Primates

D-14

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

A. DeFrancisco+, A. Stern, K. Singh, D. Coleman, V. Hsiao, Z. Demeter, M. Delaney, P. Roady, and R. Fredrickson

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

H. Kondo+, A.M. Leone, D.E. Toplon, K.J. Conley, F.C. Origi, P. Brock, A.L. Kincaid, D.W. Agnew, F.X. Wellehan, E.R. Jacobson, L.L. Farina, and J.R. Abbott

Keyword: Neoplasia

D-21

HISTOPATHOLOGICAL, ULTRASTRUCTURAL AND MOLECULAR STUDIES ON AN INFECTIOUS AGENT IN PACIFIC SPINY LUMPSUCKERS (*EUMICROTREMUS ORBIS*)

S.C. Wickins+, B.J. Sheppard, J. Coleman, L.D. Roero, S. Larson, A.D. Smith, R.W. Nordhausen, and M.M. Garner

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

V.A. Charney+, F.R. Bertin, B. Toth, L.L. Couëtil, J.E. Kritchevsky, S.D. Taylor, M.A. Miller, and J.A. Ramos-Vara

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

L.K. Crawford+, R.R. Sim, A.N. Wack, E. Bronson, J.L. Mankowski, and R.J. Montali

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 OSTEOOMYELITIS CAUSED BY GEOSMITHIA ARGILLACEA IN A DOBERMAN PINSCHER

A.K. Viall+, K.L. Gailbreath, and E.A. Cienava

Keyword: Infectious Disease

D-29

MULTISYSTEMIC PHAEOMYCOSIS 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 PAPILOMAS 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

K.B. Eden+, A. Peterson, R. Payne, W.V. Corapi, J. Mansell, and A. Rodrigues

Keyword: Skin

D-35

THROMBOTIC MICROANGIOPATHIC GLOMERULAR NECROSIS IN A DOG

R. Blair+, J. Garber, L. McLaughlin, and F. Del Piero

Keyword: Urinary System

D-36

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

Z. Demeter+, V. Hsiao, M.M. Shanaman, M.A. Mitchell, S. Haskins, K. Welle, S. Murrell, and R.T. O'Brien

Keyword: Ferret

D-37

ACANTHOLYTIC DYSKERATOTIC EPIDERMAL NEVUS (SEGMENTAL DARIER'S DISEASE) IN A PUPPY

D.P. Taylor

Keyword: Skin

D-38

HODGKIN'S—LIKE LYMPHOMA IN A HAMSTER: A CASE REPORT

P. Mortazavi, F. Kabir, H. Fattahian, B. Vazir, and N. Hoseini

Keyword: Neoplasia

D-39

FIVE DOGS WITH CLINICAL AND HISTOPATHOLOGICAL FEATURES SIMILAR TO CANINE RECURRENT FLANK ALOPECIA

A. Berrocal and H. Mora

Keyword: Skin

D-40

HISTIOCYTIC ULCERATIVE COLITIS IN A FRENCH BULLDOG FROM COSTA RICA

A. Berrocal

Keyword: Alimentary

D-41

LEIOMYOMATOSIS IN A 17-MONTH-OLD LABRADOR RETRIEVER

R. Gold, F. Lopez, D. Ajithdoss, C. Wolff, J. Edwards, and B. Porter

Keyword: Muscle

D-42

MYCOBACTERIOSIS IN A BOA CONSTRICTOR

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

K. Kuroki, L.M. Berent, G.C. Johnson, D.Y. Kim, W.J. Mitchell, D.P. Shaw, L.P. Thornburg, and F. Williams III

Keyword: Bone and Joint

D-48

KLEBSIELLA PNEUMONIAE INFECTION IN A SQUIRREL MONKEY

A. Chikweto, H. Hariharan, M.I. Bhaiyat, K.P. Tiwari, S. Kumthekar, L. Dragon, and R.N. Sharma

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

L.H. Pulz, J.G. Xavier, S.R. Kleeb, J.L. Catão-Dias, H. Fukumasu, and R.F. Strefezzi

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

F. Giannitti, R.J. Higgins, P.A. Pesavento, M. Piazza, D. Clifford, S. Siso, and L.W. Woods

Keyword: Nervous System

D-64

OTITIS MEDIA AND MENINGOENCEPHALITIS 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. Garcia, 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

CHOLEDOCAL 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**

*L.B. Oliveira, B.H. Santos, G.H.L. Siqueira, M.S.T. Rocha,
L. Sonne, and J.L. Reis Jr.*

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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www.acvp.org.

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

The ACVP abstracts are published on the website at
www.acvp.org.

**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 PRE-ERYTHROCYTIC STAGES, BUT NEITHER B NOR T LYMPHOCYTES ARE REQUIRED TO ESTABLISH INFECTION *IN VIVO*

J.D. Ramsay+, M.W. Ueti, W.C. Johnson, G.A. Scoles, D.P. Knowles, and R.H. Mealey

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 HERT-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: Nervous System

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: Nervous System

E-18

HISTOLOGIC LESIONS FOLLOWING ENDOSCOPIC AND TRANSCLERAL CYCLOPHOTOCOAGULATION IN DOGS

K. Newkirk, K. Fritz, S. Calvarese, P. Ko, M. Sherwood, and D. Esson
Keyword: Eye and Ear

E-19

INCREASED EXPRESSION OF CHONDROITIN SULFATE AND HEPARAN SULFATE PROTEOGLYCANS IN BRAIN FOLLOWING SYSTEMIC LPS TREATMENT

J.M. Snyder⁺, M.Y. Chang, E. Cudaback, C. Hagan, and C.W. Frevert
Keyword: Nervous System

E-20

NEUTRALIZATION ANTIBODIES IN COMBINATION WITH MCP-1 ARE AS EFFECTIVE AS LIVE-ATTENUATED RABIES VIRUS IN CLEARING RABIES VIRUS FROM THE CENTRAL NERVOUS SYSTEM

C. Huang+, G. Zhang, M. Zhou, and Z. Fu

Keyword: Nervous System

E-21

SV40 NEURONAL INFECTION IN SIV-INFECTED RHESUS

S. Kaliyaperumal, X. Dang, C. Wuthrich, H.L. Knight, J. MacKey, C. Pearson, K.G. Mansfield, I.J. Koralnik, and S.V. Westmoreland

Keyword: Nervous System

E-22

ROLE OF C-KIT MUTATIONS IN TUMORIGENESIS: IN VITRO AND IN VIVO STUDIES

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

Keyword: Neoplasia

E-23

CANINE OSTEOSARCOMA: SURGICAL ORTHOTOPIC IMPLANTATION MODEL

B.K. Chaffee+, F. Xu, and M.J. Allen

Keyword: Neoplasia

E-24

CHARACTERIZATION OF THE NEUROINFLAMMATORY RESPONSE IN A MOUSE MODEL OF BRAIN METASTATIC INFLAMMATORY BREAST CANCER

L.T. Reed, D. Palmieri, and P.S. Steeg

Keyword: Neoplasia

E-25

INCREASED DIETARY VITAMIN D DECREASES TYPHLOCOLITIS AND NEOPLASIA IN SMAD3-/- MICE WITH INFLAMMATION-ASSOCIATED COLON CANCER

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

Keyword: Neoplasia

E-26

VITAMIN D NULL DIET DECREASES TYPHLOCOLITIS, DYSPLASIA, AND NEOPLASIA IN DSS-TREATED SMAD3-/- MICE WITH INFLAMMATION-ASSOCIATED COLON CANCER

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

Keyword: Neoplasia

E-27

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

E-28

STORAGE DISORDER IN MICE ASSOCIATED WITH CALCIUM CHANNEL BETA-2 SUBUNIT RESCUE

L.J. Hennings, A. Rittenhouse, T. Fletcher, and N. Rusch

Keyword: General Topic

E-29

INTESTINAL IMPACTION IN A MURINE ALS MODEL

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

Keyword: Alimentary

E-30

ISOLATION AND CHARACTERIZATION OF BACTERIOPHAGE-RESISTANT *SALMONELLA ENTERICA* SEROTYPE NEWPORT

J.E. Hyland+, S.R. Kitchens, J.C. Wright, P.H. Walz, and S.B. Price

Keyword: Alimentary

E-31

THE ROLE OF ADENOSINE IN THE PULMONARY PATHOPHYSIOLOGY OF EXPERIMENTAL MURINE H1N1 INFLUENZA INFECTION

F. Aeffner+, A.A. Gaughan, L.M. Joseph, and I.C. Davis

Keyword: Respiratory System

E-32

IMMUNOHISTOCHEMICAL EXPRESSION OF ARGINASE-1 IN THE MURINE LUNG

D.K. Meyerholz

Keyword: Respiratory System

E-33

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

S.A. Montgomery+, K.A. Stoermer, L. Oko, A. Burrack, R.G. Gill, L.B. Borst, and T.E. Morrison

Keyword: Infectious Disease

E-34

ACUTE EFFECT OF DOXORUBICIN ON CARDIAC EPOXYEICOSATRIENOIC ACID PRODUCTION IN HYPERTENSIVE SHR AND HYPERTENSIVE-HEART FAILURE PRONE SHHF RATS

M.J. Radin, L.C. Sharkey, and L.K. Rogers

Keyword: Cardiovascular

E-35

AN EVALUATION OF THE ROLE OF EXTRACELLULAR SUPEROXIDE DISMUTASE IN A MURINE MODEL OF PANCREATIC CANCER LIVER METASTASIS

A.K. Olivier, B.R. O'Leary, J.E. Hrabe, A.J. Case, F.E. Domann, and J.J. Mezhir

Keyword: Liver and Pancreas

E-36

ARTERIAL WALL MACROMOLECULAR MICROSTRUCTURE IN HEALTHY AND DISEASED SR-BI-/-/APOER61H/H MICE: A MODEL FOR INVESTIGATING HUMAN ATHEROSCLEROTIC DISEASE AND PILOTING INTERVENTIONS

L.M. Zadrozny+, E.B. Neufeld, Z. Yu, and R.S. Balaban

Keyword: Cardiovascular

E-37

CANINE PBMC NSG MICE: A *IN VIVO* MODEL OF THE CANINE IMMUNE SYSTEM

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

Keyword: Immune System

E-38

DIFFERENTIAL EXPRESSION OF THE PUTATIVE CANCER BIOMARKER CHOLESTEROL SULFATE IN A MOUSE MODEL OF PROSTATE CANCER

G.N. Burcham+, L.S. Eberlin, S.A. Crist, R.G. Cooks, and T.L. Ratliff

Keyword: Reproductive System

E-39

**EXPERIMENTAL VACCINE DEVELOPMENT FOR
EHRlichia CANIS IN BEAGLE DOGS**

S.L.M. Craft+, D. Eib, J. Pearsal, S. Bloom, H. Sorenson, S. Mahan, and J.R. Abbott

Keyword: Immune System

E-40

**GRAFT-VERSUS-HOST-LIKE DISEASE IN HUMANIZED
NOD-SCID IL-2RGAMMA-/- (NSG)BLT MICE**

S.T. Laing+, S. Griffey, M.E. Moreno, and C.A. Stoddart

Keyword: Immune System

E-41

**CONSEQUENCES OF IMMUNE SELECTION IN A
PIGTAILED MACAQUE MODEL OF SIV CNS DISEASE**

S.E. Beck+, S.E. Queen, and J.L. Mankowski

Keyword: Immune System

E-42

**MURINE INTESTINAL NEMATODE CO-INFECTION:
EFFECTS ON THE PARASITES AND THE HOST**

S.A. Budischak, L. Megow, B. Bringuel, L.B. Sellers, K.R. Cummings, A.R. Moorhead, J. Urban, V. Ezenwa, and K. Sakamoto

Keyword: Immune System

E-43

**MURINE NOROVIRUS INFECTION INCREASES AORTIC
SINUS PLAQUE SIZE IN APOE-/- MICE**

J. Finley, J. Paik, C. Hsu, T. Brabb, J. Kim, B. Sullivan, K.D. O'Brien, and L. Maggio-Price

Keyword: Cardiovascular

E-44

**PATHOLOGIC FEATURES OF ASTROCYTIC GROWTH
EARLY AFTER INFECTION WITH FOWL GLIOMA-
INDUCING VIRUS**

S. Nakamura, K. Ochiai, A. Abe, S. Kishi, Y. Sunden, and T. Umemura

Keyword: Avian

E-45

PATHOLOGY OF PLACENTAE FROM EQUINE PREGNANCIES GENERATED BY SOMATIC CELL NUCLEAR TRANSFER

B.J. Sheppard, H. Kondo, M.A. Pozor, A. A. Kelleman, M.L. Macpherson, E. Runcan, Y.-H. Choi, and K. Hinrichs

Keyword: Reproductive System

E-46

THE INDOLEAMINE 2,3 DIOXYGENASE DEFICIENT MOUSE: A NOVEL AND PREGNANCY SPECIFIC MODEL OF PREECLAMPSIA

K.N. Gibson-Corley, C. Pelham, P. Ketsawatsomkron, D. Santillan, B. Yang, S. Hunter, C. Sigmund, and M. Santillan

Keyword: Reproductive System

+Competitor for the ACVP Young Investigator Award

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INDUSTRIAL AND TOXICOLOGIC PATHOLOGY POSTER PRESENTATIONS

T-1

EFFECT OF KETAMINE ADMINISTRATION ON PLATELET FUNCTION AS ASSESSED VIA PLATELET AGGREGOMETRY AND PFA-100 IN CYNOMOLGUS MACAQUES

L. Cregar and A. Aulbach

Keyword: Toxicologic Pathology

T-2

THE NATIONAL TOXICOLOGY PROGRAM NONNEOPLASTIC LESION ATLAS

M.F. Cesta, R.R. Maronpot, M.H. Hamlin II, R.A. Miller, E. Singletary, and R.C. Sills

Keyword: Toxicologic Pathology

T-3

ESTROGEN AND PROGESTERONE RECEPTOR EXPRESSION IN SPONTANEOUS UTERINE ADENOCARCINOMA IN FISCHER 344 RATS

C.J. Willson[^] and J.M. Cline

Keyword: Reproductive System

T-4

RADIATION-INDUCED NECROSIS IN NORMAL BRAIN AS A FATAL COMPLICATION OF FOCAL RADIOTHERAPY IN THREE CASES OF CANINE MENINGIOMA

S. McGraw[^], S. Siso, L. Lowenstine, J. Luff, B. Murphy, M. Kent, K. Hansen, K. Vernau, and L. Lowenstine

Keyword: Nervous System

T-5

EVALUATION OF MICRONUCLEI FORMATION AND OTHER NUCLEAR ABNORMALITIES IN ALLIGATOR GAR (ATRACTOSTEUS SPATULA) EXPOSED TO CRUDE OIL

P. Wesche, P. Allen, and L. Petrie-Hanson

Keyword: Toxicologic Pathology

T-6

FEMALE RAT REPRODUCTIVE TRACT HISTOLOGY DURING GESTATION, LACTATION, AND POST WEANING

M. Greeley, A. Radovsky, B. Zimmerman, D. Veney, M. Safron, and C. Kopp

Keyword: Toxicologic Pathology

T-7

TOXICITY OF INTRAPERITONEAL HYDROXYL-PROPYL-BETA-CYCLODEXTRIN IN RATS

B. LeRoy, E. Blomme, G. Gagne, and D. Cugier

Keyword: Toxicologic Pathology

T-8

LATENT INFECTIONS IN CYNOMOLGUS MONKEYS IN A CHRONIC TOXICITY STUDY

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

T-9

OCCURRENCE OF MULTINUCLEATED HEPATOCYTES IN CYNOMOLGUS MONKEYS (MACACA FASCICULARIS) FROM DIFFERENT GEOGRAPHICAL REGIONS

M. Novilla, K. Jackson, D. Reim, S. Jacobson, and R. Nagata

Keyword: Liver and Pancreas

T-10

**TWO CASES OF SPONTANEOUS ENDOMETRIOSIS IN
NAIVE CYNOMOLGUS MONKEYS**

R. Kikkawa, K. Sato, J. Schielke, H. Sidener, and S. Jacobson

Keyword: Primates

T-11

**OPTIMIZATION OF PLATELET RICH PLASMA
PREPARATION FOR PLATELET AGGREGOMETRY IN
CYNOMOLOGUS MACAQUES**

L. Cregar, A. Aulbach, and S. Denham

Keyword: Toxicologic Pathology

T-12

**CHARACTERIZATION AND COMPARISON OF THE
ARYL HYDROCARBON RECEPTOR KNOCK-OUT RAT
AND MOUSE**

R. Hukkanen, R. Thomas, J. Harrill, R. Budinsky, and C. Rowlands

Keyword: Toxicologic Pathology

T-13

**OSU-CG5 MODULATES PROSTATE CANCER CELL
METABOLISM AND SUPPRESSES XENOGRAFT
TUMOR GROWTH WITHOUT EVIDENCE OF SYSTEMIC
TOXICITY**

L.D. Berman-Booty⁺, P.C. Chu, I.L. Lai, D. Wang, S.K. Kulp, and C.S. Chen

Keyword: Toxicologic Pathology

T-14

**POLYMERIC IMMUNOGLOBULIN RECEPTOR
EXPRESSION AND LOCAL IGA PRODUCTION IN
BOVINE MAJOR SALIVARY GLANDS; SUBLINGUAL,
SUBMANDIBULAR AND PAROTID**

*K. Sakaguchi, H. Yokota, T. Miyasho, N. Maeda,
T. Onaga, M. Koiwa, K. Matsuda, M. Okamoto, K.
Hirayama, and H. Taniyama*

Keyword: Immune System

T-15

**SPONTANEOUS OBSTRUCTIVE URETHRITIS IN A
MALE MACAQUE (*MACACA FASCICULARIS*)**

K. Sato, G. De Los Santos, R. Kikkawa, S. Jacobson, T. Beck, and R. Nagata

Keyword: Primates

T-16

THE ARYL HYDROCARBON RECEPTOR EXPRESSION PATTERN DETERMINES ZONAL DISTRIBUTION OF DIOXIN-INDUCED HEPATOCELLULAR PATHOLOGY

R. Hukkanen, R. Thomas, J. Harrill, R. Budinsky, and C. Rowlands

Keyword: Toxicologic Pathology,

+Competitor for the ACVP Young Investigator Award

^Competitor for the STP Student Poster Award

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NATURAL DISEASE POSTER PRESENTATIONS

N-1

EFFECTS OF PNEUMONIA ON BIGHORN SHEEP POPULATIONS IN HELLS CANYON

K.A. Potter, E.F. Cassirer, P.K. Plowright, K.R. Manlove, P.C. Cross, A.P. Dobson, and P.J. Hudson

Keyword: Respiratory System

N-2

INFLUENCE OF CHARGE AT RESIDUE 627 OF PB2 ON POLYMERASE FUNCTION IN INFLUENZA A

R.S. Frazer+, A. Föglein, B.W. Jagger, H.M. Wise, J.K. Taubenberger, and P. Digard

Keyword: Infectious Disease

N-3

EXPRESSION OF CATHEPSIN B IN SPONTANEOUS CANINE, EQUINE, AND MURINE MAMMARY TUMORS

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

Keyword: Mammary

N-4

RETROSPECTIVE EVALUATION OF RENAL BIOPSIES FOR EVIDENCE OF IMMUNE-COMPLEX MEDIATED GLOMERULAR DISEASE IN DOGS

S.M. Schneider+, N. Nabity, R.E. Cianciolo, and G.E. Lees

Keyword: Urinary System

N-5

**IGF-1, M-TOR, SCF AND C-KIT RECEPTOR PROTEIN
EXPRESSION IN CANINE CUTANEOUS MAST CELL
TUMORS IN TISSUE MICROARRAY SLIDES**

*R. Laufer Amorim, R.B. Ferioli, C.E. Fonseca-Alves, R.
Torres Neto, R. Malagoli, and S.R. Rogatto*

Keyword: Skin

N-6

**POT-BELLIED PIT NEOPLASIA: A RETROSPECTIVE
CASE SERIES (2004-2011)**

S.J. Newman

Keyword: Neoplasia

N-7

**A RETROSPECTIVE CASE STUDY OF
CERVICOVAGINAL LESIONS AND IMMUNE CELL
INFILTRATES IN RHESUS MACAQUES (MACACA
MULATTA)**

C. Harbison+ and S. Westmoreland

Keyword: Primates

N-8

**ANNEXINS (I & II) AS DIAGNOSTIC MARKERS FOR
SHIPPING FEVER IN BEEF CALVES**

*C. Senthilkumaran+, A. Khaled, L. Brandon, B. Ken, H.
Joanne, S. Shayan, and J. Caswell*

Keyword: Respiratory System

N-9

**BENIGN FIBROUS LESIONS OF THE
MANDIBLE AND MAXILLA IN DOGS**

*M.D. Sánchez, M.M. Soltero-Rivera, J.B. Engiles, and
J.R. Lewis*

Keyword: Alimentary

N-10

**BREED-RELATED DIFFERENCES IN ALTERED BCRA1
EXPRESSION, PHENOTYPE, AND SUBTYPE IN
MALIGNANT CANINE MAMMARY TUMORS**

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

Keyword: Mammary

N-11

**CARDIOMYOPATHY WITH CORONARY ARTERY
THROMBOSIS IN A BORNEAN ORANGUTAN**

*K.E. Trainor, N. Jackson, R. McManamon, L.J.
Lowenstine, L. Howard, J. Flanagan, and F.J. Clubb Jr.*

Keyword: Cardiovascular

N-12

CK14, CK5/6, P63, AND EGFR: IMMUNOPHENOTYPING WITH FOUR BASAL MARKERS IN ER- / HER-2- CANINE MALIGNANT MAMMARY TUMORS TO IDENTIFY BASAL-LIKE PHENOTYPE

K.S. Im, N.H. Kim, H.Y. Kim, and J.H. Sur+

Keyword: Mammary

N-13

CORRELATION OF MAST CELL TUMOR AGGRESSIVENESS WITH DEGREE OF CUTANEOUS MUCINOSIS IN CHINESE SHAR PEI DOGS

A.P. Garner+, J. Perry, D.H. Thamm, and A.C. Avery

Keyword: Neoplasia

N-14

FATAL HERPESVIRUS (EEHV)-ASSOCIATED HEMORRHAGIC DISEASE IN WILD AND ORPHAN ASIAN ELEPHANTS IN SOUTHERN INDIA

S.Y. Long+, A. Zacharian, J.C. Zong, E. Latimer, S.Y. Heaggans, L.K. Richman, and G.S. Hayward

Keyword: Wildlife

N-15

GENOMIC COPY NUMBER VARIATION IN PROLIFERATIVE, PRE NEOPLASTIC AND NEOPLASTIC PROSTATE LESIONS OF THE DOG

R. Laufer Amorim, A.F. Busso, S.M. Silveira, C.E. Fonseca-Alves, M.M.P. Rodrigues, and S.R. Rogatto

Keyword: Reproductive System

N-16

GIANT CELL MENINGOENCEPHALOMYELITIS IN A PREGNANT ANDALUSIAN MARE

A.M. Leone+, J.F. Wellehan Jr., M.J. Dark, J.A. Lednicky, T.B. Waltzek, E.W. Howerth, C.D. Buergelt, J.L. Owen, R. Allerman, M.R. Mallicote, L.C. Sanchez, and J.A. Conway

Keyword: Nervous System

N-17

HEMATOLOGIC CHARACTERISTICS OF BOVINE INFECTION WITH A NOVEL EHRLICHIA GENOTYPE

J.L. Brazzell+, H.J. Burgess, B.A. Kidney, G.A. Wobeser, W.B. Scandrett, V.A. Lobanov, A.A. Gajahar, and B.K. Wobeser

Keyword: Infectious Disease

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ICHTHYOPHONUS-LIKE DISEASE IN A NORTHERN LEOPARD FROG (RANA PIPIENS)

N. Fowlkes+, G. Doss, J. Nevarez, and L. McLaughlin

Keyword: Muscle

N-20

IMMUNOHISTOCHEMICAL CHARACTERIZATION OF 50 EQUINE MELANOCYTIC TUMORS WITH MELANOCYTIC MARKER PNL2, MELAN A, S100 PROTEIN AND PROTEIN GENE PRODUCT 9.5

J.A. Ramos-Vara, C. Frank, D. DuSold, D. Burns, and M. Miller

Keyword: Neoplasia

N-21

IMMUNOHISTOCHEMICAL EVALUATION OF AROMATASE, LEPTIN, INSULIN-LIKE GROWTH FACTOR 1 RECEPTOR AND GLUCOSE-6-PHOSPHATASE IN CANINE MAMMARY GLAND TUMORS

K.S. Im, N.H. Kim, H.Y. Kim, and J.H. Sur+

Keyword: Mammary

N-22

IMMUNOHISTOCHEMICAL EVALUATION OF C-MYC, NKX3.1 AND E-CADHERIN IN CANINE PROSTATIC LESIONS

R. Laufer Amorim, C.E. Fonseca-Alves, M.M.P. Rodrigues, V.M.B.D. De Moura, and S.R. Rogatto

Keyword: Reproductive System

N-23

IMPAIRED CONTROL OF *BRUCELLA MICROTI* INFECTION IN MICE WITH DEFICIENT CYTOLYTIC MEDIATED MECHANISMS

A. Alcaraz, M.P. Jiménez de Bagüés, M. Arias, J.F. Quintana, A. de Martino, and J. Pardo

Keyword: Immune System

N-24

LACK OF RELATIONSHIP BETWEEN TORQUE TENO SUS VIRUS 1 (TTSUV1) AND PCV2-ASSOCIATED REPRODUCTIVE FAILURE IN MEXICO

A. Vargas-Ruiz, K.I.C. Rangel-Rodriguez, H. Ramirez-Alvarez, Y. Romero-Sanchez, V. Quintero-Ramirez, and L.A. Garcia-Camacho

Keyword: Reproductive

N-25

MACROPHAGES NUMBER, CROWN-LIKE STRUCTURES (CLS), CD3+ AND CD20+ CELLS ARE POSITIVELY CORRELATED WITH THE SIZE OF ADIPOCYTES IN CENTRAL AND PERIPHERAL FAT DEPOTS IN OBESE RHESUS MACAQUE

K. Yasuda, A. Miller, E. Curran, N. Silva, C. Pearson, K. Mansfield, and S. Westmoreland

Keyword: Primates

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MANDIBULAR BOTRYOMYCOSIS IN AN IMMUNOCOMPETENT YOUNG CAT

M. Arauz, E. Soto, and C. Gallagher

Keyword: Bone and Joint

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MELANOMA IN TEN FALLOW DEER (DAMA DAMA)

K. Hughes+, R. Bildfell, and B. Alcantar

Keyword: Wildlife

N-28

NATURAL MORTALITY IN CAPTIVE BABOONS (PAPIO SPP.): A 23 YEAR STUDY

E.J. Dick Jr., J. David, M.A. Owston, and G.B. Hubbard

Keyword: Primates

N-29

P-GLYCOPROTEIN EXPRESSION IN CANINE MAMMARY GLAND TUMOURS RELATED WITH MYOEPIHELIAL CELLS

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

Keyword: Mammary

N-30

P53 EXPRESSION IN EQUINE PENILE SQUAMOUS CELL CARCINOMAS IS NOT AFFECTED BY THE PRESENCE OF EQUINE PAPILLOMAVIRUS TYPE 2

C. Knight, J. Munday, M. Dunowska, M. Perrott, and J. Peters-Kennedy

Keyword: Infectious Disease

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POSSIBLE ROLE OF SNALE EXPRESSION AS A PROGNOSTIC FACTOR IN CANINE MAMMARY NEOPLASIA

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

Keyword: Mammary

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RELATIONSHIP OF PERSISTENT LYMPHOCYTOSIS WITH VIRAL LOAD AND ANTIBODY TITERS AGAINST BOVINE LEUKEMIA VIRUS (BLV) IN A BOVINE LEUKEMIA HIGH PREVALENCE DAIRY HERD

L.A. Garcia-Camacho, J. Zavaleta-Hernandez, R. Favila de Alba, J.A. Gutierrez-Pabello, M.A. Perez-Razo, J. Hernandez-Balderas, and G. Hernandez-Garcia

Keyword: Infectious Disease

N-33

SPONTANEOUS CARCINOMA WITH EMT-LIKE CHANGES LOCATED IN THE INGUINAL REGION OF A YOUNG FEMALE BALB/C MOUSE

K. Takaba, T. Imada, Y. Suzuki, M. Imaizumi, K. Myojo, C. Takada, N. Kimoto, K. Saeki, and I. Yamaguchi

Keyword: Neoplasia

N-34

TEMPORAL AND GEOGRAPHICAL CLUSTERING OF BRONCHIOALVEOLAR NEOPLASMS IN THREE FREE-RANGING OPOSSUMS (DIDELPHIS VIRGINIANA) IN CALIFORNIA

F. Giannitti+, P.A. Pesavento, D.W. Wilson, M. Piazza, D. Clifford, and L.W. Woods

Keyword: Respiratory System

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THE ROLE OF CCDC3 IN CANINE OSTEOSARCOMA CELL PROLIFERATION, CLONOGENICITY, AND CHEMOTHERAPEUTIC RESISTANCE

D. Khamsi and D.L. Duval

Keyword: Neoplasia

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TRANSVERSAL VERTEBRAL ROTATIONS IN EQUINE NAVICULAR SYNDROME

E.W. Uhl and J.L. Cornille

Keyword: Bone and Joint

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VERTICAL TRANSMISSION OF EASTERN EQUINE ENCEPHALITIS VIRUS IN A MARE AND FETUS

S.R. Roff, J.F. Roberts, S. Meyer, A. House, M.T. Long, S.E. Beachboard, L.D. Kramer, J.A. Cruz-Cardona, A.R. Alleman, and J.A. Conway

Keyword: Infectious Disease

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WHAT KILLS BEARDED DRAGONS? REVIEW OF NECROPSY CASES, COLLEGE OF VETERINARY MEDICINE, UGA, 2009-2012

E.W. Howerth, R.K. Harris, N.M. Nemeth, N. Gottdenker, K. Frontera-Acevedo, and R. McManamon

Keyword: Wildlife

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PROGNOSTIC FACTORS IN PERIVASCULAR WALL TUMORS (PWTS): PRELIMINARY STUDY OF 32 DOGS

A. Carminato, M. Vascellari, W. Marchioro, K. Capello, and F. Mutinelli

Keyword: Neoplasia

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DIFFERENTIAL MICRORNA EXPRESSION IN CANINE AND HUMAN OSTEOSARCOMA

L. Leonardi, F. Del Piero, L. Pazzaglia, G. Di Guardo, F. Roperto, and M.S. Benassi

Keyword: Bone and Joint

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IMMUNOHISTOCHEMICAL STUDY OF CLAUDIN-17 EXPRESSION IN CANINE MAMMARY GLAND TUMORS

A.R. Movassaghi, M. Maleki, and M. Rezaee-Oghazi

Keyword: Mammary

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A ROLE FOR GLOMERULAR AUTOPHAGY AND INFLAMMASOME ACTIVATION IN VISCERAL LEISHMANIASIS-ASSOCIATED GLOMERULONEPHRITIS

K.J. Esch+, E.M. Whitley, S.M.B. Jeronimo, J.S. Haynes, and C.A. Petersen

Keyword: Urinary System

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HEPATIC LESIONS IN 90 CAPTIVE NON-DOMESTIC FELIDS PRESENTED FOR NECROPSY

J.M. Bernard+, K.M. Newkirk, A.E. McRee, E.C. Ramsay, and J.C. Whittemore

Keyword: Wildlife

+Competitor for the ACVP Young Investigator Award

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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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Section: Clinical Case Report/Series

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

S. Tankersley¹, J. Cooley², E. Baravik-Munsell³, and E. Brinkman-Ferguson³

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

Poster #2

Section: Clinical Case Report/Series

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

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Section: Experimental Disease

A COMPARISON OF TWO HEMATOLOGY ANALYZERS USING BLOOD FROM LABORATORY RATS

B.A. Meyer^{1,2}, M.C. Cora², D. King², D.M. Kurtz³, and G.S. Travlos²

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³Comparative Medicine Branch, NIEHS, NIH, DHHS, Research Triangle Park, NC

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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. McGavern²

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Section: *Experimental Disease*

TRANSFERRIN RECEPTOR EXPRESSION IN SERUM EXOSOMES AS A MARKER OF EQUINE REGENERATIVE ANEMIA

E.D. Rout, T.L. Webb, H.M. Laurence, L.J. Long, and C.S. Olver

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Colorado State University, Fort Collins, CO*

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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

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²Dogs Trust Rehoming Centre, Glasgow, UK; ³JEH Equine Reproduction Specialists, Whitesboro, TX, US, ⁴IDEXX Laboratories, Sacramento, CA, US

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Section: Clinical Case Report/Series

**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*

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Section: Experimental Disease

**CHARACTERIZATION OF A CYNOMOLGUS
MACAQUE MODEL OF POSTMENOPAUSAL
CEREBROVASCULAR ATHEROSCLEROSIS**

*K. Lisenbee^{1,2}, G. Melendez², E. Floyd², and T.B.
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Section: Clinical Case Report/Series

**SEGMENTAL SYRINGOMYELIA IN A HOLSTEIN-
FRIESIAN CALF**

*W.M. Burnside¹, S.J. Sharpe¹, J.D. Gaudy¹, A.D. Miller²,
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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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CANINE ANAL SAC GLAND CARCINOMAS: COMPARISON OF CLINICAL AND HISTOPATHOLOGIC FEATURES OF TUMORS WITH AND WITHOUT METASTASIS

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¹University of Pennsylvania School of Veterinary Medicine;

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DOMOIC ACID TOXICOSIS IN CALIFORNIA SEA LIONS: A POTENTIAL NEW MODEL FOR HUMAN TEMPORAL LOBE EPILEPSY

L.N. Peterson^{1,2}, X. Wen¹, I. Toyoda¹, F. Gulland³, W. Van Bonn³, and P. Buckmaster¹

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MICROVESICLES: POTENTIAL MEDIATORS OF INTERCELLULAR COMMUNICATION BETWEEN STEM CELLS

A.D. Werts^{1,2,3}, M.A. Antonyak¹, L. Desroches¹, and R.A. Cerione¹

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M. Lanza Perea, M.I. Bhaiyat, A. Chikweto, K. Tiwari, R. Sharma, and S. Veytsman

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USING VIRTUAL MICROSCOPY IN THE CLINICAL PATHOLOGY ROTATION

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A MOUSE MODEL OF DUAL HELMINTH AND MYCOBACTERIUM BOVIS COINFECTION

J. Alagappan¹, S. Budischak², L. Megow³, B. Bringue³, L. Sellers³, N. Patel³, O. Kamau-Nataki², A. Zehner², J. Urban⁴, V. Ezenwa^{2,4}, and K. Sakamoto³

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Section: Experimental Disease

INVOLVEMENT OF THE AUTOPHAGY PATHWAY IN TRAFFICKING OF MYCOBACTERIUM TUBERCULOSIS IN ALVEOLAR EPITHELIAL CELLS.

K.F. Coulson¹, M. Metcalfe², E. White², K. Sakamoto³, R. Karls¹, and F. Quinn¹

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HEMATOLOGIC FINDINGS ASSOCIATED WITH A YERSINIA ENTEROCOLITICA EPIZOOTIC IN A CAPTIVE COLONY OF AFRICAN GREEN MONKEYS (CHLOROCEBUS AETHIOPS SABAEUS)

A. Stevens¹, J. Beeler-Marfisi¹, A. Beierschmitt^{1,2}, J. Berezowski¹, F. Castillo-Alcala¹, E. Soto¹, M. Arauz¹, O. Illanes¹, and M.A. Thrall¹

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Section: Experimental Disease

DISTRIBUTION OF INTESTINAL GAMMA-DELTA T CELL SUBSETS IN UNINFECTED AND MYCOBACTERIUM AVIUM SUBSP PARATUBERCULOSIS (MAP)-INFECTED CALVES

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RESPIRATORY SYNCYTIAL VIRUS (RSV) TITERS FOLLOWING NEBULIZATION

*D.D. Grosz, J.M. Gallup, R.J. Derscheid, A. van Geelen,
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Section: *Clinical Case Report/Series*

UNILATERAL TRIGEMINAL NEURITIS AND BRAINSTEM ENCEPHALITIS ASSOCIATED WITH VEGETAL MATERIAL (PROBABLE GRASS AWN) IN A DOG

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PANCREATIC ENDOCRINE TUMORS IN TWELVE BABOONS (*PAPIO SPP.*)

*M.K. LaRue¹, E.J. Dick Jr.², M.A. Owston², A. Ambrus¹, and
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Section: *Experimental Disease*

CHARACTERIZATION OF OVARIAN AGING IN VERVET MONKEYS (*CHLOROCEBUS AETHIOPS SABAEUS*)

*H.M. Atkins¹, C.J. Willson², M. Silverstein², E. Floyd², J.R.
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Section: Experimental Disease

**EVALUATION OF A TERBINAFINE IMPREGNATED
SUBCUTANEOUS IMPLANT IN *GEOMYCES*
DESTRUCTANS INFECTED BATS**

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Section: Clinical Case Report/Series

**NOCARDIOSIS AND MYCOBACTERIOSIS IN
WEAKFISH (*CYNOScion REGALIS*) HOUSED IN A
CLOSED RECIRCULATION AQUACULTURE SYSTEM**

E.R. Cornwell¹, M.J. Cinelli², D.M. McIntosh², G.S.
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Section: Experimental Disease

**REDUCED OSTEOARTHRITIS SEVERITY IN AGED MIF
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A. Roland, R. Loeser, M. McNulty, R. Miller, and C.
Carlson
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Section: Clinical Case Report/Series

**THE PARASITIC ROUNDWORM *BAYLISASCARIS*
PROCYONIS: RACCOONS BRING A NEW ZOONOTIC
THREAT TO ALBERTA, CANADA**

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Section: Clinical Case Report/Series

**CHLAMYDIOSIS IN A RED TAILED HAWK (*BUTEO*
JAMAICENSIS): A CASE REPORT**

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Section: *Clinical Case Report/Series*

CITROBACTER KOSERI SEPTICEMIA IN A CALF

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Section: *Experimental Disease*

EXAMINATION OF BIOMARKERS OF NEURODEGENERATION IN FELINE GM2 GANGLIOSIDOSIS

T. Peterson¹, A. Bradbury^{1,2}, V. McCurdy^{1,2}, A. Johnson^{1,4}, A. Randle¹, J. Johnson⁴, H. Edwards¹, N. Morrison¹, N. Cox^{1,3}, and D. Martin^{1,2}

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Section: *Experimental Disease*

VISUALIZATION OF UROPLAKIN EXPRESSION IN A MOUSE MODEL OF URINARY SCHISTOSOMIASIS

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Section: *Experimental Disease*

MOLECULAR ALTERATIONS IN CHEMICALLY INDUCED UTERINE CARCINOMAS IN WISTAR HAN RATS MIMIC HIGH-GRADE TYPE I ENDOMETRIAL CARCINOMAS IN HUMANS

J. Harvey, H-H. Hong, T.-V. Ton, S. Bhusari, T. Masinde, A.R. Pandiri, and M.J. Hoenerhoff

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Section: Experimental Disease

ROLE OF SDF-1A AND CXCR-4 IN MESENCHYMAL STEM CELL RECRUITMENT TO A LOCALIZED BONE DEFECT

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Section: Experimental Disease

GENE THERAPY FOR TAY-SACHS DISEASE IN JACOB SHEEP

S.M. Hubbard, B.K. Whitlock, A.N. Randle, V.J. Jones, A.K. Johnson, J.A. Johnson, J.L. Sartin, K.P. Riddell, N.E. Morrison, N.R. Cox, and D.R. Martin

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Section: Experimental Disease

ANTIGEN CHALLENGE STUDY IN FLAKY TAIL (FT/FT) MICE: AN ANIMAL MODEL OF ATOPIC DERMATITIS (AD)

M. Sola¹, D. Melich², M. Donaldson², J. Cote-Sierra², D. Krull², L. Yoon², M. Keener², R. Peterson², and S. Chandra²

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Section: Experimental Disease

DOES MOSSY FIBER SPROUTING CAUSE EPILEPSY?

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Section: Clinical Case Report/Series

A SYSTEMIC CHRYSOSPORIUM INFECTION IN A FREE-RANGING PLAINS GARTER SNAKE (*THAMNOPHIS RADIX*)

A.C. Dolinski¹, M.C. Allender², V. Hsiao³, C.W. Maddox⁴

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Section: Clinical Case Report/Series

VIMENTIN EXPRESSION IN CANINE PROSTATE CARCINOMA: A POTENTIAL INDICATOR FOR DISTANT METASTASIS

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Section: Clinical Case Report/Series

CHARACTERIZATION OF THE CLINICO-PATHOLOGICAL FEATURES AND OUTCOME IN CASES OF SEVERE ANEMIA IN UK CATS

A.M. Dieterly and K.L. Hulme-Moir

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Section: Experimental Disease

USING RNA SILENCING FOR WEST NILE VIRUS PATHOGENESIS AND VACCINE STUDIES

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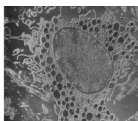
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