

**American College of Veterinary Pathologists™
and
American Society for Veterinary Clinical Pathology**



∞ ACVP ∞  ∞ ASVCP ∞

Concurrent Annual Meeting

December 3-7, 2016

Hyatt Regency Hotel, New Orleans, LA

PROGRAM

2016 ACVP Corporate Partners

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William J. Reagan, Armando R.
Irizarry Rovira, Dennis B. DeNicola

Authors, *Veterinary Hematology:
Atlas of Common Domestic and Non-
Domestic Species*, 2nd Edition

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Introduction

Welcome to New Orleans!

The meeting is packed with scientific content sure to provide something for everyone. In between scientific sessions, make sure to check out the awesome posters and exhibits.

Saturday

The meeting kicks off Saturday with three Pre-Meeting Workshops.

- ACVP Pre-Meeting Workshop: Infectious Disease in Nonhuman Primates
- ASVCP Pre-Meeting Workshop: Hematopathology in Diagnostic and Toxicologic Pathology: From the Tried-and-True to the Cutting Edge
- C.L. Davis Foundation Pre-Meeting Workshop: The Identification of Protozoan and Metazoan Parasites in Tissue Section

Be sure to attend the Opening Reception that will highlight an interactive veterinary student poster session.

Sunday

Sunday is packed full of exciting choices. Sunday morning ACVP presents the Career Development Session, "Personnel Management" and the first Concurrent Session, "Fish and Aquatic Invertebrate Pathology." The ASVCP Education Symposium begins with "Let's Get Hormonal: Endocrine Function Tests in Diagnostic and Toxicologic Pathology." The program also includes scientific sessions in Industrial and Toxicologic Pathology, Natural Disease, Diagnostic Pathology, Clinical Pathology and Experimental Disease. Don't forget the Emerging Disease Session focused on Zika Virus. The first Mini-Symposium, "Deepwater Horizon," will be presented in the afternoon. Sunday concludes with the ACVP Mystery Slide Session on Aquatic Pathology.

Monday

Experts from around the country will speak at the ACVP/ASVCP Joint Plenary Session, "Cell Plasticity." This session will examine the role of cell plasticity in health and disease, and ways in which this knowledge is being utilized to model disease and for drug discovery. The ACVP Neuropathology Mystery Slide Session will round out the evening.

Tuesday

ACVP presents the second Concurrent Session, "Histology of Juvenile Animals," and third Concurrent Session, "Small Ruminant Pathology." ACVP will also have Focused Scientific Sessions in Experimental Disease, Diagnostic Pathology, Industrial and Toxicologic Pathology, and Education. The Education Session will have a special focus this year on

Digital Pathology. The final ASVCP Clinical Pathology Focused Scientific Session will be held Tuesday morning, and the ASVCP Mystery Slide Case Session will be Tuesday afternoon.

Wednesday

Wednesday morning ACVP will have two Concurrent Sessions, “Rickettsial Diseases” and “Racehorse Pathology.” There will also be a Mini-Symposium, “Global Health Initiative.” The meeting will conclude Wednesday afternoon with an exciting Post-Meeting Workshop:

ACVP Post-Meeting Workshop: Advanced Techniques in Veterinary Forensic Pathology

The organization of this meeting couldn’t happen without a great group of people. Thank you to all the session chairs, co-chairs, judges, the ACVP staff, and all those who put a lot of energy into making this a fantastic scientific meeting.



Alicia K. Olivier, DVM, PhD*
2016 ACVP Program Chair



Laura A. Snyder, DVM*
2016 ASVCP Program Chair

ACVP Education Committee

Education Committee Chair

David K. Meyerholz, DVM, PhD*

2016 Program Chair

Alicia K. Olivier, DVM, PhD*

Education Committee

Erica Behling-Kelly, DVM, PhD*

Kelli L. Boyd, DVM, PhD*

Erin M. Brannick, DVM, MS*

Lauri J. Diehl, DVM, PhD*

Wayne Dochterman, DVM*

Kristi Heilke, DVM, PhD*

Krista M. LaPerle, DVM, PhD*

Mac Law, DVM, PhD*

Christiane Löhr, DVM, PhD*

Laura A. Snyder, DVM*

Francisco Uzal, DVM, PhD, MSc*

Advisory Group

Mark Evans, DVM, PhD*

Jessica Grieves, DVM*

Tim LaBranche, DVM, PhD*

Kevin S. McDorman, DVM, PhD*

Special Interest Groups

Kelli L. Boyd, DVM, PhD*

J. Mark Cline, DVM, PhD*

Gary L. Cockerell, DVM, PhD*

Kendall S. Frazier, DVM, PhD*

Piper Treuting, DVM*

Bruce H. Williams, DVM*

ACVP Focused Scientific Groups

Focused Scientific Group Chair

Lauri J. Diehl, DVM, PhD*

Focused Scientific Group Co-Chair and Awards Chair

Christiane Löhr, DVM, PhD*

Clinical Pathology

Lindsay Tomlinson, DVM, DVSc* (Chair)

Erica Behling-Kelly, DVM, PhD*

Sara L. Connolly, DVM, MS*
Niraj K. Tripathi, DVM*
Catherine Wagg, DVM*
Valerie M. Wong, DVM, MVetSc*

Diagnostic Pathology

David S. Rotstein, DVM, MPVM* (Chair)
Eric Burrough, DVM, PhD*
Aline Rodrigues Hoffmann, DVM, PhD*
Laura Kennedy, DVM* (Co-Chair)
Fabiano Oliveira, DVM, MS*
Stephen A. Raverty, DVM, PhD* (Past Chair)
Heindrich Snyman, DVM*

Education

K. Paige Carmichael, DVM, PhD* (Chair)
Linden E. Craig, DVM, PhD* (Past Chair)
Melinda Camus, DVM*
Rachel M. Peters, DVM* (Co-Chair)
Melissa D. Sanchez, VMD, PhD*
Mee-Ja Sula, DVM*
J. Mitchell Troutman, DVM*
Arnaud J. Van Wettere, DVM, PhD* (Co-Chair)

Experimental Disease

Laura Janke, DVM, PhD* (Chair)
Hibret Adissu, DVM, PhD*
Laura Baseler, DVM, PhD* (Co-Chair)
Oded Foreman, DVM*
Sanjeev Gumber, DVM*
Sebastien Monette, DVM, MVSc* (Past Chair)
Stephanie Montgomery, DVM, PhD*

Industrial and Toxicologic Pathology

Torrie A. Crabbs, DVM* (Co-Chair)
Gary Cain, DVM, PhD*
Curtis Colleton, DVM*
Daniela Ennulat, DVM, PhD* (Past Chair)
Kris Heilke, DVM, PhD*
Kyathanahalli Janardhan, BVSc, PhD*
Robert Johnson, DVM, PhD*
Katherine A. Knostman, DVM, PhD*
Gopinath S. Palaisamy, MVSc, PhD* (Co-Chair)

Natural Disease

Gary Haldorson, DVM, PhD* (Chair)
Julie Engiles, DVM, PhD*
Andrew Miller, DVM* (Past Chair)

Angela Pillatzki, DVM*
Daniel R. Rissi, DVM, PhD*
Francisco A. Uzal, DVM, PhD* (Co-Chair)

**ACVP Diplomate*

ASVCP Program Committee

Program Committee Chair

Laura Snyder, DVM*

Program Committee

Cindy E. Fishman, VMD, PhD*
Bruce E. LeRoy, DVM, PhD*
Janelle Renschler, DVM PhD*
Lynne T. Shanahan, MT, ASCP
Lindsay Tomlinson, DVM, DVSc*

ACVP Council Recognition

The following Council Members will soon be ending their terms.
The Council extends its gratitude to these dedicated volunteers.

Anne M. Barger, DVM, MS*
Mark Simpson, DVM, PhD*

ACVP Council

President:

David Malarkey, DVM, PhD*

President-Elect:

Anne M. Barger, DVM, MS*

Secretary/Treasurer:

Mark R. Ackermann, DVM, PhD*

Immediate Past President:

Mark Simpson, DVM, PhD*

Councilors:

Glenn Cantor, DVM, PhD*

Krista La Perle, DVM, PhD*

Karen Terio, DVM, PhD*

Susan J. Tornquist, DVM, PhD*

ASVCP Executive Board

President

Shelley Burton, DVM*

President-Elect

Lindsay Tomlinson, DVM, DVSc*

Immediate Past President

Jeffrey McCartney, DVM, MSc, DABT*

Secretary

Mark Johnson, DVM*

Treasurer

Jennifer Johns, DVM, PhD*

Board Members

Amy MacNeill, DVM, PhD*

Tracy Stokol, BVSc, PhD*

**ACVP Diplomate*

Registration

Registration will be located in the Celestin Ballroom Foyer.

Registration Hours:

Friday, December 2	6:00 p.m.-8:00 p.m.
Saturday, December 3	7:00 a.m.-7:30 p.m.
Sunday, December 4	7:00 a.m.-5:00 p.m.
Monday, December 5	7:30 a.m.-1:30 p.m.
Tuesday, December 6	7:30 a.m.-5:00 p.m.
Wednesday, December 7	8:00 a.m.-1:00 p.m.

RACE Credits

AAVSB Race Provider #35

This program 35-28022 for the 2016 ACVP and ASVCP Concurrent Annual Meeting is approved by the AAVSB RACE to offer a total of 131.00 CE Credits (43.50 max) being available to any one veterinarian and/or 43.50 Veterinary Technician CE Credits (43.50 max). This RACE approval is for the subject matter categorie(s) of: Category One: Scientific using the delivery method(s) of: Seminar/Lecture. This approval is valid in jurisdictions which recognize AAVSB RACE; however, participants are responsible for ascertaining each board's CE requirements.

Note: RACE verification will be sent by email after the Annual Meeting is completed.

Mobile App

Download the free 2016 ACVP and ASVCP Combined Annual Meeting mobile app through the iTunes store or Google Play. Access the personal scheduler, abstracts, program, proceedings, and more information about the Annual Meeting!

Be sure to share your photos through the social media section of the mobile app. We like to see what attendees are up to during the meeting!

Wireless Internet Access

Wireless Internet service will be available free of charge in your hotel room if you are staying at the Hyatt Regency New Orleans. Complimentary basic wireless Internet service is available in the meeting space and lobby areas. However, the strength of the bandwidth cannot be guaranteed.

Access to the wireless Internet in the meeting rooms:

Network: ACVP2016

Passcode: ACVPNOLA

If you are traveling from another country, please check your cell phone plan for international rates.

Internet Station

Sponsored by VIN

An Internet Station will be available in the Celestin Ballroom Foyer near Registration. A charging area for your electronic devices will also be available there.

Internet Station Hours:

Saturday, December 3	1:00 p.m.-8:30 p.m.
Sunday, December 4	7:00 a.m.-7:30 p.m.
Monday, December 5	7:00 a.m.-1:30 p.m.
Tuesday, December 6	7:00 a.m.-7:00 p.m.

Our thanks to VIN for sponsoring the Internet area!

Social Media

Facebook: www.facebook.com



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 New Orleans.

Twitter: www.twitter.com



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 restaurant in New Orleans for dinner? 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 #ACVP2016 or comments to @ACVP directly and keep us in the loop.

Proceedings

You can access the Proceedings through the mobile app and online during the meeting. A link to the Proceedings is available on the ACVP website at www.acvp.org.

The Proceedings will also be hosted by the International Veterinary Informational Service (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 2016 Proceedings!

Career Center

Imperial 1

ACVP is hosting the Career Center, 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.

Career Center Hours:

Saturday, December 3	3:00 p.m.-8:30 p.m.
Sunday, December 4	9:00 a.m.-5:00 p.m.
Monday, December 5	9:00 a.m.-5:00 p.m.
Tuesday, December 6	9:00 a.m.-5:00 p.m.

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

Guest Registration

The Guest registration fee includes daily access to the Guest Hospitality Suite (Strand 5) at the Hyatt Regency Hotel. It includes admission to the Opening Reception and one admission to the Presidential Reception.

Guest/Student Hospitality Suite

Strand 5

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

Guest/Hospitality Hours:

Sunday, December 4	8:00 a.m.-5:00 p.m.
Monday, December 5	8:00 a.m.-5:00 p.m.
Tuesday, December 6	8:00 a.m.-5:00 p.m.
Wednesday, December 7	8:00 a.m.-11:00 a.m.

Poster Sessions

Storyville Hall

Veterinary Student Posters

Saturday, December 3	7:00 p.m.-8:30 p.m.
Poster Setup:	5:00 p.m.-6:00 p.m.
Judging:	6:00 p.m.-7:00 p.m.

Posters and Late-Breaking Posters

Sunday, December 4	9:30 a.m.-4:30 p.m.
Monday, December 5	9:30 a.m.-1:00 p.m.
Tuesday, December 6	9:30 a.m.-3:30 p.m.

Poster Setup:

Sunday, December 4	7:00 a.m.-9:00 a.m.
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Poster Teardown:

Tuesday, December 6	3:30 p.m.-4:30 p.m.
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Focused Scientific Poster Sessions

Visit the specific focused group posters during the following times.

Sunday, December 4, 2016.	10:00 a.m.-10:30 a.m.	<ul style="list-style-type: none">• Industrial and Toxicologic Pathology Focused Poster Session• Natural Disease Focused Scientific Poster Session
Sunday, December 4, 2016.	3:00 p.m.-3:30 p.m.	<ul style="list-style-type: none">• Diagnostic Pathology Focused Scientific Poster Session
Monday, December 5, 2016	9:40 a.m.-10:10 a.m.	<ul style="list-style-type: none">• Late-Breaking Abstracts Focused Scientific Poster Session
Tuesday, December 6, 2016	10:00 a.m.-10:30 a.m.	<ul style="list-style-type: none">• Clinical Pathology Focused Scientific Poster Session• Education Focused Scientific Poster Session
Tuesday, December 6, 2016	3:00 p.m.-3:30 p.m.	<ul style="list-style-type: none">• Experimental Disease Focused Scientific Poster Session

Speaker Ready Room

Foster 1 (across from Starbucks)

Speakers (oral presenters) are required to download their presentations in the Speaker Ready Room prior to their sessions.

Speaker Ready Room Hours:

Saturday, December 3 12:00 noon-7:00 p.m.

Sunday, December 4 7:00 a.m.-6:00 p.m.

Monday, December 5 7:00 a.m.-6:00 p.m.

Tuesday, December 6 7:00 a.m.-6:00 p.m.

Wednesday, December 7 7:00 a.m.-11:30 a.m.

Below are scheduled check-in times for speakers. Please review and make note of these times.* You can always download your slides earlier than the dates and times in the chart below. Leave plenty of time to visit the Speaker Ready Room before your presentation.

If Your Presentation Date/Time is...	Then Your Scheduled Check-In Time is...
Sunday, December 4, 2016 Between 8:00 a.m.-12:00 noon	Report prior to 6:00 p.m. on Saturday, December 3, 2016
Sunday, December 4, 2016 Between 1:30 p.m.-5:00 p.m.	Report prior to 11:00 a.m. on Sunday, December 4, 2016
Monday, December 5, 2016 Between 8:00 a.m.-12:00 noon	Report prior to 5:00 p.m. on Sunday, December 4, 2016
Tuesday, December 6, 2016 Between 8:00 a.m.-12:00 noon	Report prior to 5:00 p.m. on Monday, December 5, 2016
Tuesday, December 6, 2016 Between 1:30 p.m.-5:00 p.m.	Report prior to 11:00 a.m. on Tuesday, December 6, 2016
Wednesday, December 7, 2016 Between 8:00 a.m.-12:00 noon	Report prior to 5:00 p.m. on Tuesday, December 6, 2016
Wednesday, December 7, 2016 Between 1:00 p.m.-5:00 p.m.	Report prior to 10:00 a.m. on Wednesday, December 7, 2016

**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).*

Meeting Events

Opening Reception	Saturday, December 3	7:00 p.m.-8:30 p.m.	Storyville Hall
ASVCP Business Meeting	Sunday, December 4	4:30 p.m.-6:00 p.m.	Celestin C
ACVP Town Hall Business Meeting	Sunday, December 4	6:00 p.m.-7:30 p.m.	Celestin D
ACVP Awards and Recognition Event	Tuesday, December 6	5:15 p.m.-6:45 p.m.	Celestin D
ACVP Presidential Reception	Tuesday, December 6	7:00 p.m.-9:00 p.m.	Empire Ballroom

Community Outreach Activity (CO-Act): Clean the World

Monday, December 5 1:30 p.m.–4:30 p.m.
Strand 10

Join your fellow meeting attendees for the ACVP Community Outreach Activity (CO-Act). This year, attendees will have the opportunity to assemble hygiene kits for some of New Orleans’ homeless shelters and food pantries. To learn more about the organization with whom ACVP is partnering, visit <https://cleantheworld.org>.

Thank you for volunteering!

Professional Photo Opportunity

Join IDEXX in the Celestin Ballroom Foyer at one of the following times to have a free professional photo taken:

Saturday, December 3 2:00 p.m.-4:00 p.m.
Sunday, December 4 2:30 p.m.-4:30 p.m.
Monday, December 5 10:00 a.m.-12:00 noon

Our thanks to IDEXX for sponsoring this service for attendees!

Exhibit Hall

Storyville Hall

The Exhibit Hall will be a center of activity during this year's meeting, kicking off with an Opening Reception on Saturday evening, December 3.

Scientific poster sessions, veterinary student posters, late-breaking posters, Silent Auction, and refreshment breaks will be held Saturday through Tuesday in the Exhibit Hall.

Microscopes will be available in the Exhibit Hall on Sunday, Monday, and Tuesday. This is a great opportunity for attendees to meet and discuss slides.

Visit the **ACVP Silent Auction** to place your bid on a treasure trove of items contributed by ACVP members and exhibitors. The Silent Auction supports externship scholarships for veterinary students exploring veterinary pathology as a career. Silent Auction bids will be closed at 11:00 a.m. on Tuesday, December 6, and winners will be announced on Tuesday afternoon at the Silent Auction area.

We value the support of **exhibitors** and believe the relationship between exhibiting companies and our membership is a mutually beneficial one. Be sure to visit Storyville Hall!

Exhibit Hall Policies

Out of courtesy for the scientific presenters and exhibitors, we appreciate your compliance with the following policies:

Photography Policy

- Photography of poster presentations is prohibited without the specific consent of the presenter(s)/author(s).
- Photography of exhibitor booths and/or equipment is prohibited without the specific consent of the exhibitor.

Children Under 18 Years of Age

To ensure their safety, children under the age of 18 are not permitted in the Exhibit Hall during exhibitor set-up or tear-down.

Exhibitor Setup:

Saturday, December 3 1:00 p.m.-6:30 p.m.
(All exhibits must be set up by 6:30 p.m.)

Exhibit Hall Hours:

Saturday, December 3	7:00 p.m.-8:30 p.m. Opening Reception
Sunday, December 4	9:30 a.m.-4:30 p.m.
Monday, December 5	9:30 a.m.-1:00 p.m.
Tuesday, December 6	9:30 a.m.-3:30 p.m.

See inside back cover for a listing of 2016 exhibitors, and page 39 for their complete description.

Exhibitor Teardown:

Tuesday, December 6	3:30 p.m.-7:00 p.m.
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Program Evaluation: Please Participate!

A link to the online evaluation survey will be emailed to you after the meeting is over. Please complete the survey online.

Your comments and suggestions will be reviewed for use in future meetings. Complete your form by December 31 to be eligible to win a complimentary registration to the 2017 ACVP and ASVCP Annual Meeting in Vancouver.

ACVP and ASVCP Future Annual Meetings

2017 Annual Meeting

November 4-8, 2017
Vancouver Convention Centre, Vancouver, BC, Canada

2018 Annual Meeting

November 3-7, 2018
Marriott Wardman Park Hotel, Washington, DC, USA

2019 Annual Meeting

November 9-13, 2019
San Antonio Marriott Rivercenter Hotel
San Antonio, Texas

Safety and Security Tips

1. When inside the conference venue, nametags should be worn and visibly displayed at all times. 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.
2. Walk in well-lighted areas, especially at night, and never alone.
3. Do not leave any bags or articles unsecured in any display area, meeting room, or public area. Laptops and other small computers are easy targets for thieves. If you note any suspicious articles, packages, persons, or activity, please contact the event staff or security immediately.
4. Due to the nature of our meeting, there is a risk that we may be the target of protest activity. Here are some guidelines to deal with protest activity:
 - a. If you see a protest forming or in progress, you should notify meeting or venue staff immediately. We will implement our response plan to ensure our meeting is safe and secure.
 - b. Do not attempt to engage or argue with protestors. These groups seek confrontation as a tool for publicity.
 - c. Do not give interviews to press personnel. Meeting representatives will respond to the press.
 - d. If you notice any suspicious individuals in the meeting areas or hotel, especially handing out literature, please notify meeting security or venue security personnel. You should not attempt to engage these persons or stop them yourself.
 - e. If there is a disruption in a meeting room, you should remain calm. Notify security and allow them to deal with the disruption.
5. Do not give your lodging information to any person outside of known meeting staff.
6. Photography is not permitted in the Exhibit Hall.
7. Large packages and bags are not permitted in the Exhibit Hall area.
8. If an event occurs during the meeting that will affect attendees, ACVP will make announcements in the session rooms, send a notification through the mobile app, and contact you by email with more details.
9. If you have any questions or concerns about security, please let us know at the Registration Desk in Celestin Ballroom Foyer.

ACVP and ASVCP 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 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 6, from 5:15 p.m.-6:45 p.m. in Celestin D.

ACVP Young Investigator Awards

The Young Investigator Award Poster Competition encompasses 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 Young Investigator Award winners' names will be announced at the ACVP Awards and Recognition Event on Tuesday, December 6, from 5:15 p.m.-6:45 p.m. in Celestin D. Winners are asked to come to the front of the room for a photo after the event.

Recipients of the 2016 Young Investigator Awards are asked to display their posters in the Celestin Ballroom Foyer on Wednesday, December 7, from 8:00 a.m.-12:00 noon. Poster boards will be provided for the display.

ASVCP Lifetime Achievement Award

The ASVCP Lifetime Achievement Award, established in 2004, recognizes members of the Society who have contributed to the advancement of the field of veterinary clinical pathology. The award is presented at our Annual Meeting. A call for nominations for the award is distributed to ASVCP members. This year awards are being presented to two Society members who have significantly contributed, in different fields, to the advancement of veterinary clinical pathology.



Dr. Rose E. Raskin

Congratulations to Dr. Rose E. Raskin as a recipient of the 2016 ASVCP Lifetime Achievement Award!

Dr. Rose E. Raskin received her DVM degree from Purdue University, and shortly after, completed a dual pathology residency and a PhD at Michigan State University. She taught at the University of Florida and served several roles in the ASVCP as President and Executive Board member for five years, and Section Editor for *Veterinary Clinical Pathology*.

Although she retired from Purdue University in 2014, she continues to work tirelessly, teaching at multiple institutions as well as working in diagnostic laboratories around the world.

All of us essentially work with her daily, as the textbook “Canine and Feline Cytology: A Color Atlas and Interpretation Guide,” now in its 3rd edition, which she co-authored, is ubiquitously found in most laboratories and private practices. Her influence, however, is not limited to this book. During the past 32 years, she has taught countless DVM students, practicing DVMs, residents, and clinical pathologists. She has also published more than 60 articles in peer-reviewed journals as well as 36 book chapters and counting, with special interests in cytology, cytochemistry, immunocytochemistry, exotic species, and bone marrow cytology and histopathology.

Rose’s untiring effort to always excel and push herself to continually be better, gently nudging others to do the same, always reaching out to promote her colleagues and inspire her students, are among the qualities that make Rose an exceptional veterinary clinical pathologist and, in addition to her many more tangible accomplishments, deserving of the ASVCP Lifetime Achievement Award. We’re glad that Rose, Squirrel, didn’t really retire and that we all can continue to learn from her. Below are some words from supporters of her nomination:

Rose has participated more over recent years in helping trainees in Europe, by attending and presenting her work and invited talks at the ESVCP Annual Meetings, ECVP, and CL Davis meetings amongst

others. In the last few years, she's been a locum clinical pathologist at University Veterinary Departments and in commercial laboratories here. She is always happy to share her wide experience and knowledge with all in these situations. In particular, she has become a mentor for many of our trainees in Europe.

—Joy Archer VMD, MS, PhD, Dip. ECVCP, FRCPath, FRCVS

She has always been a keen supporter of initiatives coming from budding clinical pathologists. As example, five years ago I created the Veterinary Cytology Facebook page. Rose promptly and willingly volunteered to be an administrator for the page. Additionally, she has consistently been an active member, posting interesting clinical cases and frequently participating to ongoing online discussions.... Rose's contribution to spread the knowledge of cytology all over the world through numerous scientific articles, seminars, and books has been of inestimable value for our discipline.

—Francesco Cian DVM, Dip. ECVCP, FRCPath, MRCVS

Rose has excelled in educating at many levels of training. She has been highly devoted to the education of veterinary technicians, veterinary students, practicing DVMs, DVM residents, and graduate students.... It is no wonder that she is viewed as a great role model by students, because she not only teaches the discipline but becomes a part of students' lives.

—John A. Christian, DVM, PhD

She is highly regarded in veterinary medicine for her contribution to our knowledge of hematopoietic neoplasms, bone marrow evaluation, and cytochemical staining of blood cells.... Dr. Rose Raskin is truly one of the leaders in the field of veterinary clinical pathology, and I wholeheartedly recommend her for the prestigious 2016 ASVCP Lifetime Achievement Award.

—John W. Harvey, DVM, PhD, Dip. ACVP

The most significant way to leave a legacy is to share your knowledge with the next generation, and Rose is a model for how to do this at every level.

—Joanne B. Messick, DVM, PhD, Dip. ACVP

To distill the myriad things Rose has done for and continues to do for the specialty of veterinary clinical pathology is an impossible task. Simply put, she is the embodiment of what the Lifetime Achievement Award represents. It has truly been a lifetime of dedication, impossible amounts of hard work, volumes upon volumes of material produced, thousands of hours given to the teaching of veterinarians on multiple levels of learning, and her generous giving of her time and abilities as a leader in veterinary medicine. She has been a sterling role model, a great friend, and a mentor to myself and so many others.

There can be no better qualified or more deserving individual than Rose E. Raskin for the ASVCP Lifetime Achievement Award.

—Craig A. Thompson, DVM, Dip. ACVP

Dr. Raskin has done an extraordinary work in the promotion of veterinary clinical pathology.

—Cathy Trumel, DVM, PhD, HDR, Dip. ECVCP

It is obvious to any clinical pathologist working with cytology what Rose Raskin has done to make our job easier. Her book “Canine and Feline Cytology. A Color Atlas and Interpretation Guide 3rd Edition” is used daily in our laboratory and certainly most other clinical pathology laboratories around the world.... Rose Raskin is well qualified to earn the ASVCP Lifetime Achievement Award. All clinical pathologists have listened to her, read her book, chapters, articles, etc., and have enormous respect and love for her.

—Harold Tvedten, DVM, PhD, Dip. ACVP, Dip ECVCP

We are the lucky many: those pathologists who have had the privilege to have been Rose Raskin’s residents. We are lucky, because no matter how much she has accomplished in her life, she treats her residents as equals, from day one. Also when Rose commits to train you, it is not just for three years, it is for a lifetime. Whenever a former resident or a friend needs advice, she happily dispenses her expert opinion. From the first day of the training until after the board certification, she remains an inspiration for her residents.

—Former residents and current/future ACVP Diplomates:

Rick Alleman, Jeffrey R. Sirninger, Pete Fernandes, Ty McSherry, Kendal Harr, Shashi Ramaiah, Amy L. MacNeill, Leanne Twomey, Athema Etzioni, Mike Logan, Suzanne Pratt, Tricia Bisby, Katie Boes, Sarah L. Johnson, Bill Siska, Pierre Deshuillers, Kristin Fisher, Brian Meyer, Andrea Pires dos Santos, Ashley Leisering



Dr. Harold Tvedten

Congratulations to Dr. Harold Tvedten as a recipient of the 2016 ASVCP Lifetime Achievement Award!

Following graduation as a DVM from Michigan State University in 1971, he briefly worked as a small-animal practitioner in Michigan until leaving practice to pursue graduate studies and completing a PhD in pathology at Michigan State University in 1975. Harold then joined the faculty at Michigan State University to begin an illustrious 26-year career, which

culminated with retirement as Professor Emeritus in 2000. Courageously he moved to Sweden and began working part time as Lab Chief at Regiondjursjukhus Strömsholm (a private regional animal hospital). Dr.

Tvedten concurrently worked at the Swedish University of Agricultural Sciences in Uppsala since 2000 at several units. When faced with a forced retirement, Harold traveled to work several months for Gribbles Veterinary Pathology in New Zealand until he was rehired by the Swedish University of Agricultural Sciences and is currently employed with its University Animal Hospital. Dr. Tvedten is double-boarded by the ACVP in anatomic and clinical pathology, and is also a Diplomate and founding member of the European College of Veterinary Clinical Pathology.

Over 45 years, he has supervised the training of many accomplished clinical pathologists, such as Steve Stockham, Doug Weiss, Rose Raskin, Eric Schultze, Jenny Thomas, Pat Wakenell, Gail Walter, Mary Jo Burkhard, Anne Provencher, Mike Scott, Phillip Clark, Agatha Boisvert, Inger Lilliehook, Anna Hillström, and Josefine Öberg. Several of them comment below, along with other clinical pathologists:

Dr. Tvedten's influence on the profession can be seen in many ways.... I will focus on three of them: contributions to training of veterinarians and clinical pathologists; scholarship and discovery of new knowledge; and advancement of the Society.... But if there's one thing that commonly exemplifies Dr. Tvedten's scholarship, it has been his approach. He noticed. Ten book chapters, 84 published manuscripts, and over 175 presentations speak to the prolific scholarship over Dr. Tvedten's career. His work spanned a number of diverse areas, and often pushed the edge of published and common knowledge. His work challenged us to better use our instrumentation in the assessment and defining of leukocyte, erythrocyte, and platelet changes. His books and book chapters helped us synthesize and apply our knowledge in an organized and systemic manner.... For example, he developed case modules that combined computer-based assessments, images, laboratory data, and clinical reasoning. While these sorts of learning modules are common now, they were rare in 1987 when Dr. Tvedten instructed us in the basics of clinical pathology, specifically hematology. Additionally, his notes were filled with short cases and study questions designed to provide iterative exposure to cases and questions allowing us to learn and build clinical confidence. It was no surprise that my class chose Dr. Tvedten as our "teacher of the year" for all the ways he helped us learn.

—Mary Jo Burkhard, *The Ohio State University*

While Dr. Tvedten invariably expected high standards, he was patient in his explanations, generous with his time, and willing to engage in vigorous academic debate.

—Phillip Clark, *Curtin University, Australia*

During the 30 years that I have known him, I have interacted with Dr. Tvedten in many different capacities: as a mentor of residents in Veterinary Pathology at Michigan State University (MSU); as an

academic adviser in PhD studies; as a pathology career adviser; and as a good friend. Each of these interactions has influenced me in a positive manner and led to my own career in Veterinary Clinical Pathology.

—Eric Schultze, Lilly Research Laboratories

This is an individual who really exemplifies the model academic clinical pathologist. His knowledge of the subject matter, desire to continually learn and teach others, and to contribute to the veterinary pathology field in both diagnostic service and leadership are the main reasons I feel he has proven himself among his peers to deserve this most prestigious honor.

—Rose Raskin, Purdue University

His books have been valuable resources in training veterinary students, graduate students, and residents in clinical pathology. Most notable contributions have been as the author of “Veterinary Clinical Pathology Case Analysis: Computer Assisted Lessons on CD-Rom,” coauthor of multiple editions of “Small Animal Clinical Diagnosis by Laboratory Methods,” and section editor of “Essential Concepts” for the 5th edition of Schalm’s Veterinary Hematology.... Likewise, he is one of the most likely people to respond to questions posted on the ASVCP listserv.

—John Harvey, University of Florida

With every question or interesting clinical case that is posted, I find myself wondering what Harold will have to say, because he has such vast experience that he nearly always does have an opinion—and it’s always one that I respect. This has been such an important part of my evolution as a clinical pathologist.

—Sue Tornquist, Oregon State University

He is the go-to expert on the Advia Hematology Analyzer and has used the cytograms to educate clinical pathologists about the value that is added by examining and correctly interpreting the information provided by this laser-based technology. During one presentation a “bizarre mitotic figure” in a cytologic image was displayed, prompting Harold to question what made the figure bizarre and to follow-up by investigating the topic and publishing his findings (Tvedten H. Atypical mitoses: morphology and classification. Vet Clin Pathol). His international reputation has earned him visiting lectureships/ professorships across the globe. Indeed, Harold is an affable and agreeable colleague who has the advancement of our knowledge and its application as the central intent of all his work.

—Karen Young, University of Wisconsin

He is the ultimate teacher, always wanting to make sure everyone has the best understanding of clinical pathology data interpretation. His presentations often focused on hematology instrumentation, and he

has published numerous manuscripts in this area. I would consider him one of the experts in our discipline on hematology instrumentation, and I and many others have benefited from his extensive knowledge in this area. I also had the opportunity to interact with Harold on the ASVCP Executive Board. Harold served as Secretary-Treasurer 1990-1994 and then became the President in 2004.... Through his many scientific contributions to our discipline as well as unwavering support of the ASVCP over the years, he clearly is deserving of ASVCP Lifetime Achievement Award.

—Bill Reagan, Pfizer Pharmaceuticals

When I started my annual review of the certifying examination of the European College of Veterinary Clinical Pathology (ECVCP) in 2004, I became aware of Harold's leadership roles that led him to being a founding Diplomate in the ECVCP. When I attended my first meeting of the European Society of Veterinary Clinical Pathology (ESVCP) in 2006, it was clearly evident how Harold's activities were instrumental in the development and expansion of the ESVCP, which eventually led to his being inducted into the ESVCP Hall of Fame in 2013.

—Steve Stockham, Kansas State University

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 Mystery Slide Case Session on Tuesday, December 6, at 1:30 p.m. in Celestin H.

Society of Toxicologic Pathology Resident and Student Poster Award

The Society of Toxicologic Pathology (STP) is pleased to announce the Tenth Annual STP Resident and Student Poster Award to encourage students and residents to pursue careers in the field of Toxicologic Pathology. The 2016 recipient will receive free registration plus \$1,000 to be used for lodging and travel to the 2017 STP Annual Meeting, which will take place June 24-29 in Montreal, Quebec, and may be asked to present the poster at that meeting.

The recipient will be announced at the ACVP Awards and Recognition Event on Tuesday, December 6, from 5:15 p.m.-6:45 p.m. in Celestin D.

Veterinary Student Poster Awards

For the 12th year in a row, 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 from 6:00 p.m.-7:00 p.m. on Saturday, December 3. 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 among members) with another award of \$250 to the recipients' ACVP-recognized Student Chapter. There will be a certificate awarded for second and third place overall. New this year is the People's Choice Award that comes with a certificate. Awards will be announced at the ACVP Veterinary Student Breakfast on Sunday, December 4, at 7:00 a.m. in Imperial 5A. Candidates are encouraged to attend!

Veterinary Student poster abstracts are available on the ACVP website at www.acvp.org and on the mobile app.

Committee Meetings

Check with your committee chair about any updates for your committee meeting.

Committee	Friday, December 2	Location
ACVP Council	3:00 p.m.-5:30 p.m.	Reliance Boardroom
ASVCP Executive Board	5:00 p.m.-6:30 p.m.	Imperial 7 Boardroom
Committee	Saturday, December 3	Location
ASVCP Executive Board	8:00 a.m.-4:00 p.m.	Imperial 7 Boardroom
ACVP Council Meeting	8:30 a.m.-5:00 p.m.	Reliance Boardroom
ACVP Council and ASVCP Executive Board	12:00 noon-1:30 p.m.	8 Block Restaurant
Veterinary Pathology Editors Meeting	12:00 noon-2:00 p.m.	Bolden 6
ASVCP Executive Board and Committees	4:00 p.m.-6:00 p.m.	Imperial 9
ACVP Education Committee Meeting	4:00 p.m.-7:00 p.m.	Strand 10A
ASVCP Education Committee	8:00 p.m.-9:00 p.m.	Bolden 6
Committee	Sunday, December 4	Location
ASVCP Regulatory Affairs Committee	6:30 a.m.-8:00 a.m.	Imperial 7 Boardroom
Veterinary Pathology Editorial Board Meeting	8:00 a.m.-9:30 a.m.	Strand 10A
ACVP Council Meeting	8:30 a.m.-5:00 p.m.	Reliance Boardroom
Veterinary Clinical Pathology Editorial Board Meeting	12:00 noon-1:30 p.m.	Imperial 7 Boardroom
Committee	Monday, December 5	Location
ASVCP Web and Outreach Committee	7:00 a.m.-8:00 a.m.	Off-site at Willa Jean's Restaurant
ACVP Council and Exam Committee Chairs Breakfast	7:00 a.m.-8:00 a.m.	Imperial 5A
ASVCP Veterinary Laboratory Professionals Program Committee	7:00 a.m.-8:00 a.m.	Imperial 2
ASVCP Quality Assurance and Standards Committee	7:00 a.m.-8:00 a.m.	Bolden 6

ASVCP Program Committee	7:00 a.m.-8:00 a.m.	Imperial 7 Boardroom
Member Relations Committee	7:00 a.m.-8:00 a.m.	Imperial 5C
Certifying Examination Board	7:00 a.m.-9:00 a.m.	Imperial 9
Vision and Strategic Plan Task Force	7:00 a.m.-8:00 a.m.	Imperial 5D
ACVP Council and Education Committee	12:15 p.m.-1:15 p.m.	Imperial 5A
ACVP Development Committee	12:15 p.m.-1:15 p.m.	Bolden 6
VCS/ACVP Joint Oncology Pathology Work Group	5:30 p.m.-7:00 p.m.	Celestin A
Committee	Tuesday, December 6	Location
IEPC Committee	7:00 a.m.-8:00 a.m.	Imperial 9
ACVP Council	8:30 a.m.-5:00 p.m.	Reliance Boardroom
Training Program Network Luncheon	12:15 p.m.-1:15 p.m.	Imperial 5C
ACVP/STP Coalition for Veterinary Pathology Fellows Board of Governors Meeting	1:30 p.m.-3:30 p.m.	Imperial 7 Boardroom
Committee	Wednesday, December 7	Location
Focused Scientific Group Chair Breakfast	7:00 a.m.-8:00 a.m.	Imperial 5C
ACVP Council	8:30 a.m.-12:00 noon	Reliance Boardroom

Receptions and Concurrent Events

Sunday, December 4	Time	Location
Veterinary Student Breakfast	7:00 a.m.-8:00 a.m.	Imperial 5
Pathology Chair Breakfast	7:00 a.m.-8:00 a.m.	Imperial 9
Veterinary Pathology Resident/Trainee Luncheon Sponsored by IDEXX	12:00 noon-1:30 p.m.	Imperial 5
Antech Reception (by invitation only)	7:00 p.m.-9:00 p.m.	Block 8 Restaurant
Cornell University Alumni Reception	7:00 p.m.-9:00 p.m.	Strand 12
Washington State University College of Veterinary Medicine Alumni Reception	7:30 p.m.-9:30 p.m.	Strand 13
University of Illinois Alumni Reception	7:30 p.m.-9:30 p.m.	Borgne Restaurant
Johns Hopkins Alumni Reception	7:30 p.m.-9:00 p.m.	Bolden 2
University of Florida Alumni Reception	7:30 p.m.-9:30 p.m.	Strand 1
Louisiana State University Alumni Reception	7:30 p.m.-9:30 p.m.	Bolden 6
Monday, December 5	Time	Location
Latin American Pathology Group Business Meeting	2:00 p.m.-3:00 p.m.	Strand 11
Veterinary Student and Resident Forum	3:00 p.m.-5:00 p.m.	Empire Ballroom B
C.L. Davis Foundation Reception	5:00 p.m.-6:30 p.m.	Strand 12
Reception for New Diplomates Sponsored by IDEXX	5:30 p.m.-7:00 p.m.	Strand 11
VCS/ACVP Joint Pathology Oncology Work Group	5:30 p.m.-7:00 p.m.	Celestin A

University of Pennsylvania Alumni Reception	6:00 p.m.-7:30 p.m.	Strand 10A
Iowa State University Alumni Reception	6:30 p.m.-8:00 p.m.	Bolden 6
University of Georgia Alumni Reception	6:30 p.m.-8:00 p.m.	Strand 10B
Colorado State University Alumni Reception	7:00 p.m.-9:00 p.m.	Off-site at the Cellar Door (916 Lafayette Street)
Ohio State University Alumni Reception	7:00 p.m.-9:00 p.m.	Bolden 5
University of California Davis Alumni Reception	7:00 p.m.-9:00 p.m.	Strand 13A
Tuesday, December 6	Time	Location
ACVP Past Presidents Breakfast	7:00 a.m.-8:00 a.m.	Imperial 7 Boardroom
ACVP/STP Coalition for Veterinary Pathology Fellows Board of Governors Meeting	1:30 p.m.-3:30 p.m.	Imperial 7 Boardroom
ACVP Presidential Reception	7:00 p.m.-9:00 p.m.	Empire Ballroom

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Derron A. Alves, DVM*

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Josiah Meigs Distinguished Teaching Professor, University of Georgia, Department of Veterinary Pathology, Athens, GA

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Professor and Chair, Tulane National Primate Research Center, Division of Comparative Pathology, Covington, LA

Douglas J. Weiss, DVM, PhD*

Emeritus Professor, University of Minnesota, Pine River, MN

Jeffrey C. Wolf, DVM*

Chief Scientific Officer, Experimental Pathology Laboratories, Inc., Sterling, VA

Charles E. Wood, DVM, PhD*

Research Biologist/Pathologist, U.S. Environmental Protection Agency, Research Triangle Park, NC

Li Xin PhD

Associate Professor, Baylor College of Medicine, Molecular and Cellular Biology, Houston, TX

Tanja S. Zabka, DVM, DSP*

Senior Pathologist/Scientist, Genentech, Inc., South San Francisco, CA

**ACVP Diplomate*

2016 ACVP and ASVCP Exhibitors

Storyville Hall

Exhibit Hall Hours:

Saturday, December 3	7:00 p.m.-8:30 p.m. Opening Reception
Sunday, December 4	9:30 a.m.-4:30 p.m.
Monday, December 5	9:30 a.m.-1:00 p.m.
Tuesday, December 6	9:30 a.m.-3:30 p.m.

ACVP Student Chapters – Booths #4 & #5

2424 American Lane
Madison, WI 53704
Tel: +1-608-443-2466
Fax: +1-608-443-2474
Email: info@acvp.org
Website: www.acvp.org

Stop by the ACVP Student Chapters Booth to meet the next generation of veterinary pathologists and to support their fundraising efforts.

Advanced Cell Diagnostics – Booth #1

7707 Gate Way Blvd.
Newark, CA 94560
Tel: +1- 510-259-9814
Email: info@acdbio.com
Website: www.acdbio.com

Advanced Cell Diagnostics offers a revolutionary RNA in situ hybridization assay for single RNA molecule detection of any viral gene, in any host species in any tissue.

Alabama Pathology Association – Booth #3

225-B Winton Blount Loop
Montgomery, AL 36117
Tel: +1-334-263-6228
Email: jgorden@alapath.com

Full-service HistoPathology Lab with state-of-the-art equipment and experienced staff to provide technical pathology services.

American College of Veterinary Pathologists (ACVP) – Booth #8

2424 American Lane
Madison, WI 53704
Tel: +1-608-443-2466
Fax: +1-608-443-2474
Email: info@acvp.org
Website: www.acvp.org

The mission of the College is to foster excellence in veterinary pathology to protect and improve animal, human and environmental health to benefit society. Visit our booth for samples of journals, membership materials and other items of interest.

American Society for Investigative Pathology – Booth #14

9650 Rockville Pike, Suite E133
Bethesda, MD 20814
Tel: +1-301-634-7990
Email: asip@asip.org
Website: www.asip.org

The American Society for Investigative Pathology (ASIP) is the leading international society for scientists focused on understanding and integrating the mechanisms of disease using genetic, immunologic, molecular, and structural approaches. The American Journal of Pathology is the official journal of ASIP.

Antech GLP – Booth #16

600 Airport Blvd., Suite 500
Morrisville, NC 27560
Tel: +1-919-277-0822
Fax: +1-919-277-0825
Email: susan.stclair@vcaantech.com
Website: www.antechglp.com

ANTECH® Diagnostics has been providing veterinary and clinical pathology for fifteen years. ANTECH® Diagnostics now offers clinical pathology services in a regulated environment. ANTECH® Diagnostics is fully compliant with the GLP (Good Laboratory Practice) Regulations as set forth in 21 CFR Part 58 as well as other regulatory requirements.

Bradley Products, Inc. – Booth #15

700 W. 94th Street
Bloomington, MN 55431
Tel: +1- 952-881-1430
Email: saraho@bradleyproducts.com
Website: dms@bradleyproducts.com

Permanent tissue marking dyes used for a variety of laboratory applications requiring orientation of tissue specimens. Economical, efficient, visible, reliable, and safe Davidson Tissue Marking dyes have been used worldwide since 1984.

Elsevier, Inc. – Booth #18

1600 JFK Blvd., Suite 1800
Philadelphia, PA 19103
Tel: +1-215-239-3491
Fax: +1-215-239-3494
Email: m.spain@elsevier.com
Website: www.elsevier.com

Elsevier is a world-leading provider of information solutions that help you make better decisions, deliver better care, and sometimes make ground breaking discoveries in science, health, and technology.

IDEXX Laboratories/Bioresearch – Booth #6

One IDEXX Drive
Westbrook, ME 04092
Tel: +1- 207-274-3400
Email: Kristina-Garner@idexx.com
Website: rst.idexx.com

IDEXX BioResearch provides the highest quality out-sourced laboratory results supported by world-class experts. Researchers trust us for a wide range of testing options, including biochemistry, hematology, microbiology, PCR, histology and histopathology. To advance your research with confidence, partner with IDEXX.

Leica Biosystems – Booth #12

1700 Leider Lane
Buffalo Grove, IL 60089
Tel: +1- 844-534-2262
Email: trina.palm@leicabiosystems.com
Website: www.leicabiosystems.com

Leica Biosystems (LeicaBiosystems.com) is a global leader in workflow solutions and automation, integrating each step in the workflow from biopsy to diagnosis. Our mission of “Advancing Cancer Diagnostics, Improving Lives” is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence.

Marshall BioResources – Booth #11

5800 Lake Bluff Road
North Rose, NY 14516
Tel: +1-315-587-2295
Email: nnavratil@marshallbio.com
Website: infous@marshallbio.com

Marshall BioResources provides purpose-bred animals for biomedical research. We also offer related services and biological products.

Motic Instruments – Booth #7

130 - 4611 Viking Way
Richmond, BC V6V 2K9
Tel: +1- 604-303-9033
Email: sales@motic-america.com
Website: www.motic.com/am-en

Motic Instruments will introduce its new Easyscan Pro WSI scanner. Technicians will also be on hand for live presentations, and will also reveal Motic's new VET pathology microscope line "Panthera." Visit Motic's booth to experience what is new and industry changing with your own eyes!

Novopath – Booth #13

301 N. Harrison Street
Princeton, NJ 08540
Tel: +1-732-329-3209
Email: rcallahan@novopath.com
Website: www.novopath.com

NovoPath offers an easy-to-use, affordable, Anatomic and Molecular Laboratory Information System providing Lean Process Management of the Lab along with Specimen Tracking. Novopath utilizes HL7, APL, XML technologies to integrate to lab software and hardware such as Whole Slide Scanners.

Olympus – Booth #10

48 Woerd Avenue
Waltham, MA 02453
Tel: +1-781-419-3515
Email: rebecca.lowe@olympus-ossa.com
Website: www.olympus-lifescience.com

Olympus is one of the world's leading manufacturers of professional opto-digital products for medicine, science and industry. As a result, Olympus provides a comprehensive range of solutions. From microscopes for training and routine tasks to high-end system solutions in the fields of life science, there is a system for every need. The

product line is complemented by innovative laboratory equipment for cellular research applications and the new all-in-one microscopes that offer user engagement at all levels.

Pathcore – Booth #2

112 College Street
Toronto, Ontario M5G 1L6
Tel: +1-647-909-3043
Email: craig.madho@pathcore.ca
Website: www.pathcore.ca

Pathcore is a digital pathology company that aims to transform cancer diagnostics into an automated, accurate and cost effective process. Our newest product, Pathcore Web, is a secure, browser-based platform for managing your pathology and radiology images.

Poly Scientific R&D – Booth #9

70 Cleveland Avenue
Bay Shore, NY 11706
Tel: 1-631-586-0400
Email: polyrnd@polyrnd.com
Website: www.polyrnd.com

Established in 1969, Poly Scientific is a manufacturer of chemicals, special stains and reagents used in histology, microbiology, cytology and clinical laboratories. Our products are made fresh to order with BSC certified dyes and USP or ACS grade reagents.

Timeless Veterinary Systems – Booth #17

614 North River Road, Ste E
Charlottetown, Prince Edward Island C1E 1K2
Tel: +1-518-396-5556
Email: hello@timelessveterinary.com
Website: www.timelessveterinary.com

Timeless Veterinary Systems is a specialized technology company based in Prince Edward Island, Canada. We believe in challenging the status quo to develop technologies that raise the bar for patient care, including point-of-care apps and customized mobile/telemedicine management systems.

Uplife USA – Booth #21

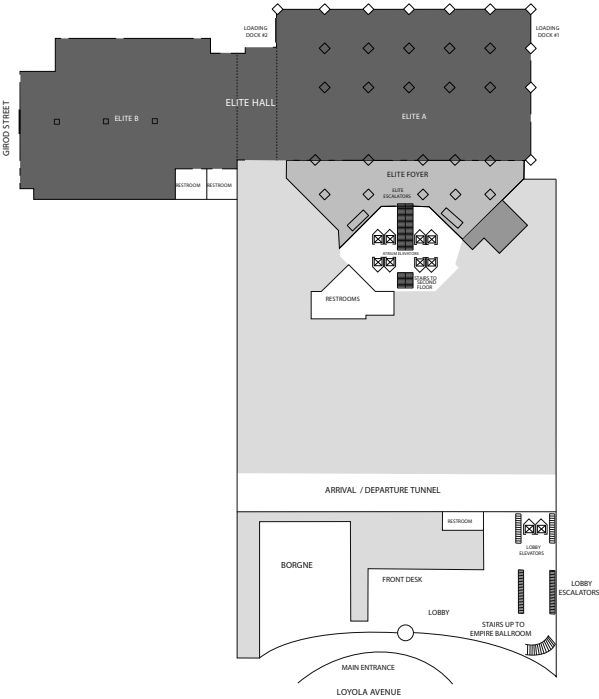
1508 Bay Road N1043
Miami Beach, FL 33139
Email: mertt@uplifeusa.com
Website: www.hidou.com

Portable, user-friendly T.E.N.S. products for pain management during hectic schedules.

Meeting Room Floor Plans

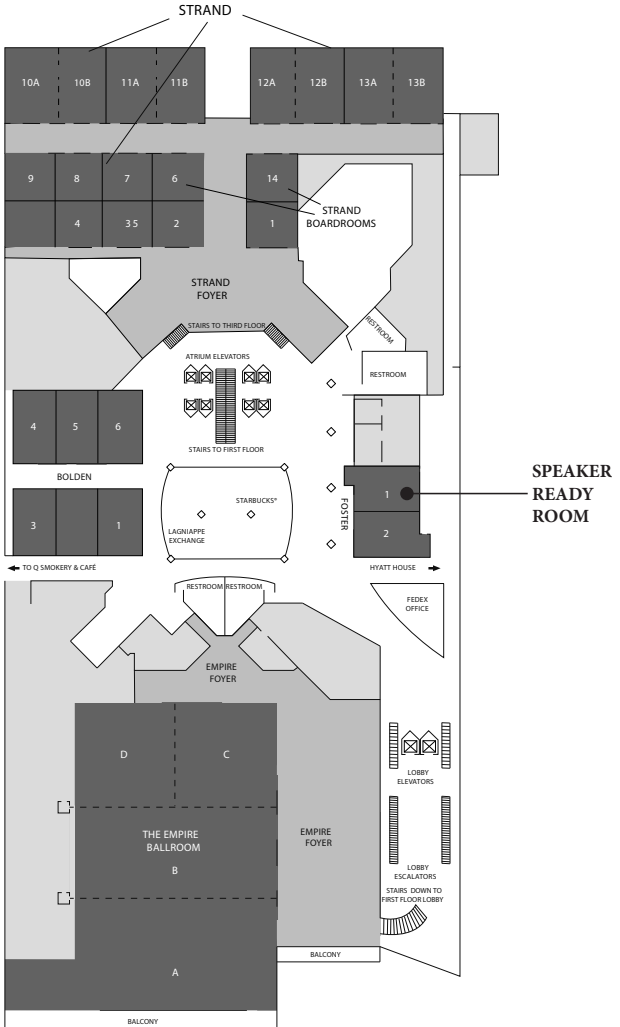
Hyatt Regency New Orleans Hotel

FLOOR PLAN • LEVEL ONE



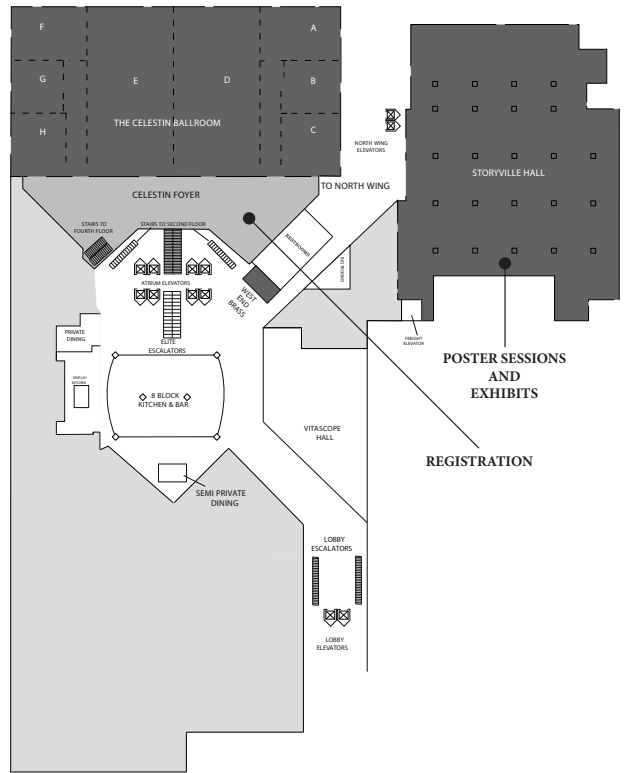
Hyatt Regency New Orleans Hotel

FLOOR PLAN • LEVEL TWO



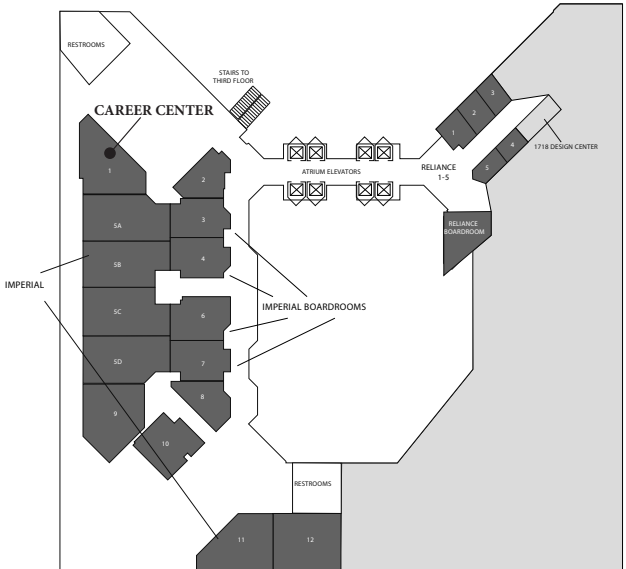
Hyatt Regency New Orleans Hotel

FLOOR PLAN • LEVEL THREE



Hyatt Regency New Orleans Hotel

FLOOR PLAN • LEVEL FOUR



Friday, December 2, 2016

3:00 p.m.–5:30 p.m.

Reliance Boardroom

ACVP Council

Contact: Wendy Coe

5:00 p.m.–6:30 p.m.

Imperial 7 Boardroom

ASVCP Executive Board

Contact: Susan Rees

6:00 p.m.–8:00 p.m.

Celestin Ballroom Foyer

Registration

Saturday, December 3, 2016

7:00 a.m.–7:30 p.m.

Celestin Ballroom Foyer

Registration

8:00 a.m.–4:00 p.m.

Imperial 7 Boardroom

ASVCP Executive Board

Contact: Susan Rees

8:00 a.m.–5:00 p.m.

Reliance Boardroom

ACVP Council Meeting

Contact: Wendy Coe

8:00 a.m.–5:00 p.m.

Celestin C

ASVCP Pre-Meeting Workshop: Hematopathology in Diagnostic and Toxicologic Pathology: From the Tried-and-True to the Cutting Edge

Session Chairs: Charlotte Hollinger, VMD, MS and Angela Royal, DVM, MS**

8:00 a.m.–8:10 a.m.

Introduction

8:10 a.m.–9:50 a.m.

Diagnostic Issues in Bone Marrow Analysis Explored Through Cases of Suspected Immune-Mediated Cytopenias

Mike Scott

9:50 a.m.–10:20 a.m.

Refreshment Break

10:20 a.m.–12:00 p.m.

Bone Marrow Stromal Disorders

Douglas J. Weiss

12:00 p.m.–1:10 p.m.

Lunch Break (boxed lunches provided)

1:10 p.m.–2:50 p.m.

Solving Challenging Hematopathology Cases

Dorothee Bienzle

2:50 p.m.–3:20 p.m.

Refreshment Break

3:20 p.m.–5:00 p.m.

Applied Hematopathology in Pharmaceutical Development

Aradhana Gupta

**ACVP Diplomate*

8:00 a.m.-5:00 p.m.

Celestin H

C.L. Davis Foundation Pre-Meeting Workshop: The Identification of Protozoan and Metazoan Parasites in Tissue Section

*Session Chair: Bruce Williams, DVM**

8:15 a.m.-4:30 p.m.

Celestin A

ACVP Pre-Meeting Workshop: Primate Pathology Infectious Disease in Nonhuman Primates

*Session Chair: Mark Cline, DVM, PhD**

8:15 a.m.-8:45 a.m.

Registration and Coffee

8:45 a.m.-9:30 a.m.

AIDS Pathogenesis

Mahesh Mohan

9:30 a.m.-10:15 a.m.

Tuberculosis

Dean Lobato

10:15 a.m.-10:30 a.m.

Refreshment Break

10:30 a.m.-11:15 a.m.

Biodefense

Chad J. Roy

11:15 a.m.-12:00 p.m.

Lyme Disease

Monica E. Embers

12:00 p.m.-1:00 p.m.

Lunch Break (on your own)

1:00 p.m.-1:45 p.m.

Infectious Diseases That May Affect Toxicologic Pathology Studies

Alys Bradley

1:45 p.m.-5:00 p.m.

Case Presentations

12:00 p.m.-1:30 p.m.

8 Block Restaurant

ACVP Council and ASVCP Executive Board

Contact: Wendy Coe and Susan Rees

12:00 p.m.–2:00 p.m.

Bolden 6

Veterinary Pathology Editors Meeting

Contact: Dr. Jeff Caswell

12:00 p.m.–7:00 p.m.

Foster 1 (across from Starbucks)

Speaker Ready Room

1:00 p.m.–8:30 p.m.

Celestin Ballroom Foyer

Internet Station

2:00 p.m.–4:00 p.m.

Celestin Ballroom Foyer

IDEXX Sponsored Photo Opportunity

3:00 p.m.–8:30 p.m.

Imperial 1

Career Center

4:00 p.m.–6:00 p.m.

Imperial 9

ASVCP Executive Board and Committees

Contact: Susan Rees

4:00 p.m.–7:00 p.m.

Strand 10

ACVP Education Committee Meeting

Contact: Dr. Alicia Olivier

5:15 p.m.–6:15 p.m.

Strand 11

Resident Session and Panel Discussion: What Are the "New Rules" for Landing the Job I Want?

Supported by IDEXX

Carolyn Hart, Catherine Lamm, DVM*, and Ed de Oliveira

6:00 p.m.–8:00 p.m.

Celestin C

ASVCP Education Forum for Discussion

7:00 p.m.–8:30 p.m.

Storyville Hall

Exhibit Area

7:00 p.m.–8:30 p.m.

Storyville Hall

Opening Reception and Veterinary Student Poster Session

8:00 p.m.–9:00 p.m.

Bolden 6

ASVCP Education Committee

Sunday, December 4, 2016

7:00 a.m.–5:00 p.m.

Celestin Ballroom Foyer

Registration

7:00 a.m.–6:00 p.m.

Foster 1 (across from Starbucks)

Speaker Ready Room

7:00 a.m.–7:30 p.m.

Celestin Ballroom Foyer

Internet Station

7:00 a.m.–8:00 a.m.

Imperial 5

Veterinary Student Breakfast

7:00 a.m.–9:00 a.m.

Imperial 9

Pathology Chairs Breakfast

Contact: Dr. Arlin Rogers

8:00 a.m.–9:30 a.m.

Strand 10A

Veterinary Pathology Editorial Board Meeting

Contact: Dr. Jeff Caswell

8:00 a.m.–5:00 p.m.

Strand 5

Student/Guest Hospitality Area

8:00 a.m.–5:00 p.m.

Reliance Boardroom

ACVP Council Meeting

Contact: Wendy Coe

8:00 a.m.–12:00 p.m.

Celestin H

ASVCP Education Symposium: Let's Get Hormonal: Endocrine Function Tests in Diagnostic and Toxicologic Pathology

*Session Chair: Laura Snyder, DVM, PhD**

8:00 a.m.–8:50 a.m.

Use of Serum Hormones in the Evaluation of Endocrine-Active Compounds.

Charles E. Wood

8:50 a.m.–9:40 a.m.

Critical Illness Related Cortisol Insufficiency in Septic Foals

Michelle Henry Barton

9:40 a.m.–10:10 a.m.

Storyville Hall

Refreshment Break

10:10 a.m.–11:00 a.m.

Laboratory Evaluation of Atypical Hyper and Hypoadrenocorticism in Dogs

Luca Giori

11:00 a.m.–11:50 a.m.

Equine PPID and EMS: Causes, Consequences and Current Diagnostic Test Strategies

Dianne McFarlane

8:00 a.m.–12:00 p.m.

Strand 11

ASVCP Veterinary Laboratory Professionals Session I

Session Chair: Lynne Shanahan, MT, ASCP

8:05 a.m.–9:00 a.m.

Rodent Clinical Pathology: Differentials, Dilutions and Other Dilemmas

Jennifer L Johns

9:00 a.m.–10:00 a.m.

How I Use Hematology as an Exotic Animal Clinician and How I Use a Chemical Diagnostic Panel in an Exotic Animal Clinical Practice

Terry Campbell

10:00 a.m.–10:30 a.m.

Storyville Hall

Refreshment Break

10:30 a.m.–11:30 a.m.

How I Use a Chemical Diagnostic Panel in an Exotic Animal Clinical Practice

Terry Campbell

8:00 a.m.–12:00 p.m.

Celestin C

Career Development Session: Personnel Management

*Session Chair: Lauri Diehl, DVM, PhD**

8:00 a.m.–8:30 a.m.

Difficult Conversations: How to Survive and Thrive as a People Manager

Lauri Diehl

8:30 a.m.–9:05 a.m.

My Training Didn't Cover This: The Importance of on the Job Learning for Personnel Management and Leadership

Nathaniel Collins

**ACVP Diplomate*

9:05 a.m.–9:40 a.m.

Annual Review, Career Development and Letting Go

Gregg A. Dean

9:40 a.m.–10:15 a.m.

Why Can't I Be Everyone's Best Friend Anymore: A Leader's Dilemma

Page Bouchard

10:15 a.m.–10:45 a.m.

Storyville Hall

Refreshment Break

10:45 a.m.–12:00 p.m.

Panel Discussion

Page Bouchard, Nathaniel Collins, Gregg A. Dean, and Lauri Diehl

8:00 a.m.–12:00 p.m.

Celestin D

Concurrent Session I: Fish and Aquatic Invertebrate Pathology

Session Chair: Wes Baumgartner, DVM, PhD and Jeffrey C. Wolf, DVM**

8:00 a.m.–9:00 a.m.

Developments in Mollusc and Crustacean Pathology in Europe

Stephen Feist

9:00 a.m.–9:45 a.m.

Diseases of Shellfish

Roxanne Smolowitz

9:45 a.m.–10:15 a.m.

Storyville Hall

Refreshment Break

10:15 a.m.–11:00 a.m.

Coral Cut-ups: 40 Years of Investigating Coral Health

Esther C. Peters

11:00 a.m.–11:30 a.m.

Searching for DeFINitive Diagnoses: Interpretation of Histopathologic Findings in Fish Toxicology Studies

Jeffrey C. Wolf

11:30 a.m.–12:00 p.m.

Diseases, Pathology and Recent Developments in US Farm-Raised Catfish (*Ictalurus* spp.)

Wes Baumgartner

8:00 a.m.-12:00 p.m.

Celestin A

Industrial and Toxicologic Pathology Focused Scientific Session I

Session Chair: T. Crabbs

Committee Members: G. Cain, C. Colleton, D. Ennulat (Past Chair), K. Helke, K. Janardhan, R. Johnson, K. Knostman, and G. Palanisamy (Co-chair)

8:00 a.m.-8:05 a.m.

Introduction

8:05 a.m.-9:00 a.m.

Invited Speaker: Molecular Pathology Approaches in Toxicologic Pathology

Ramesh C. Kovi

9:00 a.m.-9:15 a.m.

GENOMIC MAPPING IN OUTBRED MICE INDICATES OVERLAP IN GENETIC SUSCEPTIBILITY FOR HZE ION AND γ -RAY INDUCED TUMORS

Elijah F. Edmondson, Michael M. Weil, Christina Fallgren, Debra Kamstock, Dan Gatti

Keyword: Neoplasia

9:15 a.m.-9:30 a.m.

OVERCOMING ERLOTINIB RESISTANCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMAS BY BLOCKING INTERLEUKIN-1 SIGNALLING

Katherine N Gibson-Corley, Aditya Stanam, Nnamdi Ihejirika, Andrean L Simons

Keyword: Neoplasia

9:30 a.m.-9:45 a.m.

HEPATOTOXICITY ASSOCIATED WITH LOW-DOSE AZOXYMETHANE IN A MOUSE MODEL OF COLON CANCER

Kathryn A Eaton, Sara A Poe, Chriss Vowles, Natalie Anderson, Trisha J Denike

Keyword: Liver and Pancreas

9:45 a.m.-10:00 a.m.

SILYMARIN MAY PREVENT DOXORUBICIN-INDUCED CHRONIC CARDIOTOXICITY IN BALB/C MICE VIA ALTERING TOPOISOMERASE-II BETA GENE EXPRESSION

Emrah Ipek, R. Tunca

Keyword: Cardiovascular

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

Storyville Hall

Refreshment Break

10:30 a.m.–11:30 a.m.

Invited Speaker: Postnatal Organ Development in Rats as a Confounding Factor in Juvenile Toxicology Studies

George A. Parker

11:30 a.m.–12:00 p.m.

NEONATAL AND JUVENILE OCULAR DEVELOPMENT IN SPRAGUE-DAWLEY RATS: A HISTOMORPHOLOGICAL STUDY

Vanessa Vrolyk, Ancuta Apreutese, Cedric Gordon, Roy Foster, Andrew Graham, Bernard Palate, Julius Haruna, Marie-Odile Benoit-Biancamano

Keyword: Eye and Ear

8:00 a.m. – 12:00 p.m.

Celestin E

Natural Disease Focused Scientific Session I

Session Chair: G. Haldorson

Committee Members: L. Diehl, J. Engiles, A. Miller (Past Chair), A. Pilazki, D. Rissi, and F. Uzal (Co-Chair)

8:00 a.m.–8:15 a.m.

MORBILLIVIRUS ASSOCIATED LIPID PNEUMONIA IN ARCTIC FOXES (VULPES LAGOPUS)

David S. Rotstein, Raphaela Stimmelmayer, Susan Sanchez, Greta Krafur, Brian Person

Keyword: Wildlife

8:15 a.m.–8:30 a.m.

FATAL INTERSTITIAL PNEUMONIA IN CAPTIVE TIGERS AND LIONS NATURALLY INFECTED WITH CANINE DISTEMPER VIRUS – FROM A CASE REPORT TO AN OUTBREAK

Mainity Batista Linhares, Karen A. Terio, Herbert E. Whiteley, Jonathan P. Samuelson, Debbie L. Cassout, Fred Froderman, Shih-Hsuan Hsiao, Patrick J. Roady, Adam W. Stern, Ian T. Sprandel, David A. Coleman

Keyword: Infectious Disease

8:30 a.m.–8:45 a.m.

EQUID HERPESVIRUS TYPE 1-INDUCED PLATELET ACTIVATION IS INHIBITED BY LOW MOLECULAR WEIGHT HEPARIN EX VIVO

Priscila B da Silva Serpa, Tracy Stokol

Keyword: Clinical Pathology

8:45 a.m.–9:00 a.m.

CHARACTERIZATION OF NATURALLY ACQUIRED CANINE HERPESVIRUS-ASSOCIATED ENCEPHALITIS

Mason C. Jager, Erica A. Sloma, Morgan T. Shelton, Andrew D. Miller

Keyword: Nervous System

9:00 a.m.–9:15 a.m.

AN UNUSUAL LARGE CETACEAN STRANDING EVENT ALONG THE PACIFIC COAST OF BRITISH COLUMBIA, CANADA

Heindrich N. Snyman, Paul Cottrell, Kathleen A. Burek-Huntington, Kate Savage, Kathi Lefebvre, Lisa Spavin, Deborah Fauquier, Stephen Raverty

Keyword: Marine Mammal

9:15 a.m.–9:30 a.m.

NANNIZZIOPSIACEAE SPP. INFECTION IN AQUATIC CHELONIANS

Daniel B Woodburn, Matthew C Allender, Carol W Maddox, Andrew N Miller, Katherine Haman, Jennifer N Langan, Caryn P Poll, Stefanie Bergh, Drury R Reavill, Karen A Terio

Keyword: Wildlife

9:30 a.m.–9:45 a.m.

BARTONELLA INFECTION AS A POSSIBLE CAUSE OR COFACTOR OF FELINE ENDOMYOCARDITIS

Taryn A. Donovan, Nandhakumar Balakrishnan, Philip R. Fox, Iago C. Barbosa, Taylor McCoy, Ed B. Breitschwerdt

Keyword: Cardiovascular

9:45 a.m.–10:00 a.m.

MULTI-CENTRIC ROUND CELL NEOPLASMS OF WILD TURKEYS (MELEAGRIS GALLOPAVO)

Kevin D Niedringhaus, Heather Fenton, Justin D Brown

Keyword: Wildlife

10:00 a.m.–10:30 a.m.

Storyville Hall

Refreshment Break

10:30 a.m.–11:30 a.m.

Invited Speaker: Update on the Epidemiology of High Pathogenicity Avian Influenza in Wild Birds

Thomas DeLiberto

11:30 a.m.–11:45 a.m.

PERIVENOUS LIPID DEPOSITION AND PHLEBITIS PRECEDE PECTORAL MYOFIBER DEGENERATION IN WOODEN BREAST MYOPATHY DEVELOPMENT IN BROILER CHICKENS

Erin M. Brannick, Michael P. Babak, Marie F. Mutryn, Behnam Abasht

Keyword: Avian

11:45 a.m.–12:00 noon

ASSESSMENT OF THE VALUE OF GANGLION CYTOLOGY FOR THE RAPID POST MORTEM DIAGNOSIS OF EQUINE GRASS SICKNESS

C. Piccinelli¹, R.C. Jago, and E.M. Milne

Keyword: Nervous System

9:00 a.m.–5:00 p.m.

Imperial 1

Career Center

9:30 a.m.–4:30 p.m.

Storyville Hall

Exhibits Open and Focused Scientific Poster Session

10:00 a.m.–10:30 a.m.

Storyville Hall

Natural Disease Focused Scientific Poster Session

10:00 a.m.–10:30 a.m.

Storyville Hall

Industrial and Toxicologic Pathology Focused Poster Session

12:00 p.m.–1:30 p.m.

Imperial 7 Boardroom

Veterinary Clinical Pathology Editorial Board Meeting

Contact: Dr. Barbara von Beust

12:00 p.m.–1:30 p.m.

Imperial 5

IDEXX Veterinary Pathology Resident/Trainee Luncheon

12:15 p.m.–1:15 p.m.

Celestin D

Emerging Disease Focused Seminar

*Session Chair: Francisco (Paco) Uzal, DVM, PhD**

Zika Virus: Another Emergent Arbovirus

Rebecca C. Christofferson, MapSt, PhD

1:00 p.m.–4:30 p.m.

Strand 11

ASVCP Veterinary Laboratory Professionals Session II

Session Chair: Lynne Shanahan, MT, ASCP

1:00 p.m.–2:00 p.m.

Fructosamine in Hyperthyroid Cats

Amy L. MacNeill

2:00 p.m.–3:00 p.m.

Case Studies in Flow Cytometry and PARR Testing

Anne Avery

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–4:30 p.m.

Ancillary Diagnostics for Cytology: Immunocytochemistry and Special Stains

Sarah Leavell

1:30 p.m.–5:00 p.m.

Celestin D

Mini-Symposium: Deepwater Horizon

*Session Chair: Kathleen M. Colegtove, DVM, PhD**

1:30 p.m.–2:15 p.m.

Sea Turtles and the BP Deepwater Horizon Oil Spill

Brian A. Stacy

2:15 p.m.–3:00 p.m.

Effects of Oil Exposure on the Fish Cardiovascular System

John Incardona

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–4:15 p.m.

Health Problems in Bottlenose Dolphins Living in the Northern Gulf of Mexico Following the Deepwater Horizon Oil Spill

Cynthia Smith

4:15 p.m.–5:00 p.m.

Pathologic Findings in Stranded Cetaceans in the Northern Gulf of Mexico Following the Deepwater Horizon Oil Spill

Kathleen Colegtove

1:30 p.m.–4:30 p.m.

Celestin C

Clinical Pathology Focused Scientific Session I

Session Chair: L. Tomlinson

Committee Members: E. Behling-Kelly, S. Connolly, N. Tripathi, C. Wagg, and V. Wong

1:30 p.m.–1:45 p.m.

FELINE MATURE ERYTHROCYTE MIRNOME; INSIGHTS INTO THE RED BLOOD CELL BIOLOGY

P.L. Deshuillers, K. Stewart, A.P. Santos, P.J. SanMiguel, J.

Thimmapuram, L. Guptill, J.B. Messick

Keyword: Hematology

1:45 p.m.–2:45 p.m.

Invited Speaker: Gastrointestinal Biomarkers

Joerg M. Steiner

¹Competitor for the ASVCP Young Investigator Award

*ACVP Diplomate

2:45 p.m.–3:00 p.m.

**BIOMARKER DEVELOPMENT FOR HYPERTROPHIC
OSTEODYSTROPHY IN DOGS**

Noa Safra[†], Peta L Hitchens, Emanuel Maverakis, Anupam Mitra,
Courtney Korff, Eric Johnson, Amir Kol, Michael J Bannsch, Niels C
Pedersen, Danika L Bannasch

Keyword: Inflammation

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–3:45 p.m.

**GREY EOSINOPHILS IN A MINIATURE SCHNAUZER WITH A
POORLY DIFFERENTIATED MAST CELL TUMOR**

Katherine L Irvine[†], Lauren C Smith, Rose E Raskin, Kristen R
Friedrichs

Keyword: Clinical Pathology

3:45 p.m.–4:00 p.m.

**EFFECT OF TIME AND STORAGE ON TOXIC CHANGE IN CANINE
NEUTROPHILS**

Liza Bau-Gaudreault[†], Christian Bédard, Carolyn N. Grimes

Keyword: Hematology

4:00 p.m.–4:15 p.m.

**COMPARISON OF IMMUNOCYTOCHEMICAL STAINING FOR
CD3, CD20, CYTOKERATIN AND VIMENTIN IN UNSTAINED
AND PREVIOUSLY WRIGHT-STAINED CYTOLOGIC SMEARS OF
CANINE TUMORS**

Daniela Hernandez[†], Heather Priest, Tracy Stokol

Keyword: Cytology

4:15 p.m.–4:30 p.m.

**FELINE LYMPHOCYTOSIS: IMMUNOPHENOTYPIC
CHARACTERIZATION AND CLINICAL OUTCOME**

Emily D. Rout[†], Janna A. Yoshimoto, Julia D. Labadie, Anne C.
Avery, Paul R. Avery

Keyword: Hematology

1:30 p.m.–5:00 p.m.

Celestin E

Diagnostic Pathology Focused Scientific Session I

Session Chair: D. Rotstein

Committee Members: E. Burrough, S. Heindrich, L. Kennedy (Co-
Chair), F. Oliveira, S. Raverty (Past Chair), A. Rodrigues-Hoffmann,
and H. Snyman

Supported by Antech Diagnostics

1:30 p.m.–1:40 p.m.

Introductions and Announcements

1:40 p.m.–1:50 p.m.

ULTRASTRUCTURE OF AIR-CONDUCTING MUCOSA OF DOGS WITH CHRONIC RESPIRATORY DISEASE SUSPECTED OF PRIMARY CILIARY DYSKINESIA

Ileana Miranda[†], Anibal Armien

Keyword: Respiratory

1:50 p.m.–2:00 p.m.

DIAGNOSIS OF COLLAGEN TYPE III GLOMERULOPATHY USING PASH/MASSON'S TRICHROME COMBINATION (PASH/MT) AND PICOSIRIUS RED (PSR) STAINS

Anne Burnum[†], Brittany McHale, Uriel Blas, Cathy Brown

Keyword: Urinary

2:00 p.m.–2:10 p.m.

PULMONARY ALVEOLAR CAPILLARY DYSPLASIA IN PUPPIES

Katie J Barnes[†], Csaba Galambos, Kurt Williams

Keyword: Alimentary

2:10 p.m.–2:20 p.m.

FATAL RANAVIRUS INFECTION IN A GROUP OF CAPTIVE MELLER'S CHAMELEONS (TRIOCEROS MELLERI)

Lauren B Peiffer[†], Nathan Pate, Kathleen Gabrielson, Allan P Pessier, Ellen Bronson, Lisa Mangus

Keyword: Infectious Disease

2:20 p.m.–2:30 p.m.

DEVELOPMENT OF QUANTITATIVE REAL-TIME PCR ASSAYS TO DETECT MYCOBACTERIUM SPP. IN ZEBRAFISH (DANIO RERIO)

Danielle M Meritet[†], Donna M Mulrooney, Micheal L Kent, Christiane V Löhr

Keyword: Neoplasia

2:30 p.m.–2:40 p.m.

SUBCUTANEOUS PANNICULITIS-LIKE T-CELL LYMPHOMA IN DOGS

Erica Noland[†], Stefan Keller, Matti Kiupel

Keyword: Neoplasia

2:40 p.m.–2:50 p.m.

COMPARISON OF HISTOLOGIC MARGIN STATUS IN LOW-GRADE CANINE MAST CELL TUMORS EXAMINED BY RADIAL AND TANGENTIAL SECTIONS

Camila B Does[†], Milan Milovancev, Duncan Russell

Keyword: Neoplasia

2:50 p.m.–3:00 p.m.

ZEBRA ALERT! EASTERN EQUINE ENCEPHALITIS IN PUPPIES IN THE MIDWEST AND NORTHEAST

Caroline Andrews[†], Jodie Gerdin, Jon Patterson, Scott D. Fitzgerald

Keyword: Nervous

[†]Competitor for the ACVP/AAVLD Diagnostic Pathology Travel Award

*ACVP Diplomate

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–3:40 p.m.

CLINICOPATHOLOGIC FEATURES OF CANINE LINGUAL T-ZONE LYMPHOMA

Lauren J Harris[†], Kelly L Hughes, Emily D Rout, Janna A Yoshimoto, Claire M Cannon, Paul R Avery, E.J. Ehrhart, Anne C Avery

Keyword: Neoplasia

3:40 p.m.–3:50 p.m.

SYSTEMIC MYCOBACTERIUM KANSASII INFECTION IN A DOMESTIC SHORTHAIR CAT

Su-Hyung Lee[†], Du-Min Go, Sang-Ho Woo, Jee-Yong Eun, Dae-Yong Kim

Keyword: Infectious Disease

3:50 p.m.–4:00 p.m.

GENOMIC DETECTION OF CYTOLOGICALLY CONFIRMED MAST CELL TUMOR LYMPH NODE METASTASIS OTHERWISE NOT DETECTED BY CONVENTIONAL HISTOPATHOLOGY

Gregory A Krane[†], Barbara Davis, Sarah Beatty, Sarah Boston, Owen Skinner, Julia A Conway

Keyword: Neoplasia

4:00 p.m.–4:10 p.m.

CD31 IMMUNOREACTIVITY IN CANINE RENAL CELL CARCINOMAS

Tyler J Peat[†], Elijah Edmondson, Deidre M DuSold, Margaret A Miller, José A Ramos-Vara

Keyword: Neoplasia

4:10 p.m.–4:20 p.m.

ZOLLINGER-ELLISON-LIKE SYNDROME IN A MEXICAN GRAY WOLF (CANIS LUPUS BAILEYI)

Miranda Frohlich[†], Nick Robl, Jason D. Struthers, Valerie M. Wong, Matti Kiupel

Keyword: Wildlife

4:20 p.m.–4:30 p.m.

CUTANEOUS AND VISCERAL HEMANGIOSARCOMA IN CATS: A RETROSPECTIVE STUDY OF 113 CASES

Yanet Velázquez-Jiménez[†], Daniel R Rissi

Keyword: Neoplasia

4:30 p.m.–4:40 p.m.

COEXPRESSION OF CD3 AND CD20 IN THREE CASES OF CANINE ENTEROPATHY-ASSOCIATED T-CELL LYMPHOMA, LARGE CELL TYPE (TYPE 1)

Erica Noland[†], Matti Kiupel

Keyword: Neoplasia

4:40 p.m.–4:50 p.m.

DEVELOPMENT OF A NOVEL DIAGNOSTIC IMPLANT FOR DETECTION OF SPECIFIC IMMUNE RESPONSES IN MYCOBACTERIUM AVIUM PARATUBERCULOSIS (MAP) INFECTED CATTLE, MAP VACCINATED CATTLE, AND NAÏVE CATTLE

Tracy Lindquist[†], Saleh Albarrak, Shannon J. Hostetter, Doug E. Jones, Jesse M. Hostetter

Keyword: Infectious Disease

4:50 p.m.–5:00 p.m.

ANGIOSTRONGYLUS CANTONENSIS INDUCED VERMINOUS MENINGOENCEPHALOMYELITIS IN A RED KANGAROO

Sonika Patial[†], Brooke A Delcambre, Peter DiGeronimo, Rudy Bauer

Keyword: Nervous

1:30 p.m.–5:00 p.m.

Celestin A

Experimental Disease Focused Scientific Session I

Session Chair: L. Janke

Committee Members: H. Adissu, L. Baseler (Co-Chair), O. Foreman, S. Gumber, S. Monette (Past Chair), and S. Montgomery

Supported by Antech, Inc.

1:30 p.m.–2:30 p.m.

Invited Speaker: Canine Inherited Retinal Diseases: Molecular Mechanisms, Gene-based Treatments and Translational Applications

Gustavo Aguirre

2:30 p.m.–2:45 p.m.

EVALUATION OF α -SYNUCLEIN (aSyn) SPREAD IN MOUSE BRAIN BY AUTOMATED IMAGE ANALYSIS

O. Foreman, N. Safra, H. Ngu, H. Lin, A. Robles, B. Brendza, and G. Ayalon

Keyword: Nervous System

2:45 p.m.–3:00 p.m.

LACK OF NF-KB INDUCING KINASE (NIK) RESULTS IN EOSINOPHILIC ESOPHAGITIS (EOE) AND GASTRIC HYPERPLASIA IN MICE: IMPLICATIONS FOR NONCANONICAL NF-KB SIGNALING IN HUMAN EOE.

K. Eden, D.K. McDaniel, B. Heid, and I.C. Allen

Keyword: Alimentary

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

[†]Competitor for the ACVP/AAVLD Diagnostic Pathology Travel Award

*ACVP Diplomate

3:30 p.m.–4:30 p.m.

Invited Speaker: “One Man’s View of One Health”: Translational Lessons Learned from a Canine Model of Duchenne Muscular Dystrophy

Joe N. Kornegay

4:30 p.m.–4:45 p.m.

BLOOD-TUMOR BARRIER PERMEABILITY IN THREE EXPERIMENTAL MODELS OF BRAIN METASTASIS FROM BREAST CANCER

L. Tiffany Lyle, Renata Duchnowska, Paul R Lockman, Chris E Adkins, Afroz S Shareef, Emily Hua, Diane Palmieri, David Liewehr, Seth M Steiberg, Wojciech Kloc, Ewa Izycka-Swieszewska, Naema Nayyar, Priscilla K Brastianos, Patrica S Steeg, Brunilde B Gril

Keyword: Neoplasia

4:45 p.m.–5:00 p.m.

THE UNIQUE PROINFLAMMATORY ROLE OF THE HIPPO EFFECTOR TAZ IN LIVER

Joshua D Webster, Thijs Hagenbeek, Noelyn Kljavin, Anwesha Dey

Keyword: Liver and Pancreas

1:30 p.m.–5:00 p.m.

Celestin H

Natural Disease Focused Scientific Session II

Session Chair: G. Haldorson

Committee Members: L. Diehl, J. Engiles, A. Miller (Past Chair), A. Pilazki, and D. Rissi, and F. Uzal (Co-Chair)

1:30 p.m.–1:45 p.m.

MOLAR APICAL ELONGATION IN CAPTIVE MICROTUS VOLES: DISEASE CHARACTERISTICS, RISK FACTORS AND MANAGEMENT IMPLICATIONS FOR AN ENDANGERED SPECIES (MICROTUS CALIFORNICUS SCIRPENSIS)

Denise M Imai, Risa Pesapane, Chris Conroy, Christina N Alarcón, Nora Allan, Jennifer Fung, Brian G Murphy, Janet Foley, Frank JM Verstraete

Keyword: Oral Pathology

1:45 p.m.–2:00 p.m.

CLINICAL AND PATHOLOGICAL OUTCOMES OF EXPERIMENTAL INFECTION WITH TWO DIFFERENT BLUETONGUE VIRUS SEROTYPE 1 FIELD ISOLATES.

Giantonella Puggioni, Davide Pintus, Giorgio Meloni, Anna Maria M. Rocchigiani, Daniela Manunta, Eleonora Melzi, Giovanni Savini, Massimo Palmarini, Maria Dattena, Annalisa Oggiano, Ciriaco Ligios

Keyword: Infectious Disease

2:00 p.m.–2:15 p.m.

VERMINOUS ARTERITIS DUE TO CRASSICAUDA SP. IN CUVIER'S BEAKED WHALES (ZIPHIUS CAVIROSTRIS)

Josué Díaz-Delgado, Yara Bernaldo de Quirós, Manuel Arbelo, Aina Xuriach, Eva Sierra, Blanca Mompeo, Lilian Pérez, Marisa Andrada, Juliana Marigo, Jose Luis Catão-Dias, Kátia Regina Groch, John F. Edwards, Antonio Fernández

Keyword: Wildlife

2:15 p.m.–2:30 p.m.

PIGEON CIRCOVIRUS IN A FLOCK OF RACING PIGEONS WITH CONCURRENT VIRAL, BACTERIAL, AND MYCOTIC INFECTIONS

Tiffany A Peterson, Atsushi Kawabata, Ingrid Cornax, Christine Higbie, Mustajab Mirza, Rudy Bauer, Nobuko Wakamatsu

Keyword: Avian

2:30 p.m.–2:45 p.m.

GROSS AND HISTOLOGIC LESIONS IN 93 BALD EAGLES WITH SPONTANEOUS LEAD INTOXICATION

Leah K Manning, Arno Wuenschmann, Anibal G Armien, Michelle Willette, Kathleen MacAulay, Jeff Bender, John P Buchweitz, Mike Murphy, Patrick T Redig

Keyword: Wildlife

2:45 p.m.–3:00 p.m.

BLASTOMYCES ANTIBODY AND ANTIGEN LEVELS OVER ONE YEAR IN A CANINE OUTBREAK OF BLASTOMYCOSIS

Janelle S. Renschler, Michelle M. Durkin, Lawrence J. Wheat

Keyword: Infectious Disease

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–3:45 p.m.

CORRELATION BETWEEN KIT EXPRESSION AND C-KIT MUTATION IN CANINE ORAL MELANOCYTIC NEOPLASMS

Rebecca C Smedley, Tuddow Thaiwong, Matti Kiupel

Keyword: Neoplasia

3:45 p.m.–4:00 p.m.

DISCOVERY AND PROFILING OF FELINE MICRORNAS BY HIGH-THROUGHPUT SEQUENCING USING THE SOFTWARE PIPELINE MIRWOODS

Christiane V Löhr, Jummy Bell, David Sampson, David A Hendrix

Keyword: Neoplasia

4:00 p.m.–4:15 p.m.

PATHOLOGIC LESIONS AND PREVALENCE OF TRYPANOSOMA CRUZI IN WILD COYOTES (CANIS LATRANS) OF TEXAS

Carolyn L Hodo, Edward J Wozniak, Erin E Edwards, Rosa M Bañuelos, Elise C Birkner, Sarah A Hamer

Keyword: Wildlife

4:15 p.m.–4:30 p.m.

**PNEUMONIA DUE TO CHLAMYDIA PECORUM IN A KOALA
(PHASCOLARCTOS CINEREUS)**

*John T. Mackie, Amber Gillett, Chiara Palmieri, Tianyi Feng,
Damien P. Higgins*

Keyword: Infectious Disease

4:30 p.m.–4:45 p.m.

**PATHOLOGIC INVESTIGATION OF FELINE JUVENILE
HYPERTROPHIC CARDIOMYOPATHY: FURTHER INSIGHTS**

*Sara F Santagostino, Chiara Palmieri, Elisabetta Fabbri, Chiara
Locatelli, Ilaria Spalla, Annalisa Forlani, Paola Roccabianca*

Keyword: Cardiovascular

4:45 p.m.–5:00 p.m.

**STREPTOCOCCOSIS IN LABORATORY-PROPAGATED ADULT
GULF KILLIFISH (FUNDULUS GRANDIS)**

Elizabeth V. Bamberger

Keyword: Infectious Disease

2:30 p.m.–4:30 p.m.

Celestin Ballroom Foyer

IDEXX Sponsored Photo Opportunity

3:00 p.m.–3:30 p.m.

Storyville Hall

Diagnostic Pathology Focused Scientific Poster Session

4:30 p.m.–6:00 p.m.

Celestin C

ASVCP Business Meeting

6:00 p.m.–7:30 p.m.

Celestin D

ACVP Town Hall Business Meeting

7:00 p.m.–9:00 p.m.

8 Block Restaurant

Antech Reception (by invitation only)

7:00 p.m.–9:00 p.m.

Strand 12

Cornell University Alumni Reception

7:30 p.m.–9:00 p.m.

Bolden 2

Johns Hopkins Alumni Reception

7:30 p.m.–9:30 p.m.

Celestin E

ACVP Mystery Slide Review and Case Presentations: Aquatic Pathology

Session Chair: Wes Baumgartner, DVM, PhD and Kathleen M. Colegtove, DVM, PhD**

7:30 p.m.–9:30 p.m.

Strand 13

Washington State University College of Veterinary Medicine Alumni Reception

7:30 p.m.–9:30 p.m.

Borgne Restaurant

University of Illinois Alumni Reception

7:30 p.m.–9:30 p.m.

Strand 1

University of Florida Alumni Reception

7:30 p.m.–9:30 p.m.

Bolden 6

Louisiana State University Alumni Reception

8:00 p.m.–9:00 p.m.

Strand 10

ASVCP Engaging Trainees

Monday, December 5, 2016

7:00 a.m.–6:00 p.m.

Foster 1 (across from Starbucks)

Speaker Ready Room

7:00 a.m.–7:30 p.m.

Celestin Ballroom Foyer

Internet Station

7:00 a.m.–8:00 a.m.

Imperial 2

ASVCP Veterinary Laboratory Professionals Program Committee

Contact: Ms. Lynne Shanahan

7:00 a.m.–8:00 a.m.

Bolden 6

ASVCP Quality Assurance and Standards Committee

Contact: Dr. Melinda Camus

7:00 a.m.–8:00 a.m.

Imperial 7 Boardroom

ASVCP Program Committee

Contact: Dr. Laura Snyder

7:00 a.m.–8:00 a.m.

Imperial 5C

Member Relations Committee

Contact: Dr. J. Todd Painter

7:00 a.m.–8:00 a.m.

Imperial 5A

ACVP Council and Exam Committee Chairs Meeting

7:00 a.m.–8:00 a.m.

Imperial 9

Certifying Examination Board

Contact: Dr. Keith Harris

7:00 a.m.–8:00 a.m.

Imperial 5D

Vision and Strategic Plan Task Force

Contact: Dr. Page Bouchard

7:00 a.m.–8:00 a.m.

Off-site at Willa Jean's Restaurant

ASVCP Web and Outreach Committee

Contact: Dr. Jen Owen

7:30 a.m.–1:30 p.m.

Celestin Ballroom Foyer

Registration

8:00 a.m.–5:00 p.m.

Strand 5

Student/Guest Hospitality Area

8:00 a.m.–12:00 p.m.

Celestin D

ACVP/ASVCP Joint Plenary Session: Cell Plasticity

Session Chair: Alicia Olivier, DVM, PhD and Heather Tillman, DVM, PhD**

8:00 a.m.–8:05 a.m.

Welcome by the ACVP and ASVCP Presidents

Shelley Burton and Dave Malarkey

8:05 a.m.–8:50 a.m.

The Biology and Therapeutic Benefit of Adipose Stem Cells are Altered by Obesity and Aging

Bruce Bunnell

8:50 a.m.–9:40 a.m.

Prostate Epithelial Homeostasis and Carcinogenesis

Li Xin

9:40 a.m.–10:10 a.m.

Storyville Hall

Refreshment Break

10:10 a.m.–11:00 a.m.

Molecular Targets for the Treatment of Inflammatory and Infectious Diseases

Thirumala-Devi Kanneganti

11:00 a.m.–11:50 a.m.

Functional Tissue Engineering in the Age of Multi-Drug Resistant Bacteria

Elizabeth Lobo

8:15 a.m.–12:00 p.m.

Strand 11

ASVCP Veterinary Laboratory Professionals Session III

Session Chair: Lynne Shanahan, MT, ASCP

8:15 a.m.–9:15 a.m.

Updates on Fanconi Syndrome and Cystinuria: Heterogeneous Genetic Basis and Association to Pet Jerky Treats and Canine Blood Compatibility Issues: DEA 1, Dal and Kai Typing

Urs Giger

9:15 a.m.–10:15 a.m.

Canine Blood Compatibility Issues: DEA 1, Dal and Kai Typing

Urs Giger

10:15 a.m.–10:45 a.m.

Storyville Hall

Refreshment Break

10:45 a.m.–12:00 p.m.

Hypernatremia Case Study

A Russell Moore

9:00 a.m.–5:00 p.m.

Imperial 1

Career Center

9:30 a.m.–1:00 p.m.

Storyville Hall

Exhibits Open and Focused Scientific Poster Session

9:40 a.m.–10:10 a.m.

Storyville Hall

Late-Breaking Abstract Focused Poster Session

10:00 a.m.–12:00 p.m.

Celestin Ballroom Foyer

IDEXX Sponsored Photo Opportunity

12:15 p.m.–1:15 p.m.

Celestin A

Accepted! Creating Publication-Ready Photos, First Time, Every Time

Deborah Gillette, DVM, PhD, MEd, Santiago Diab, DVM*, Silvia Ferro, DVM, and Jeff Caswell, DVM, DVSc, PhD**

12:15 p.m.–1:15 p.m.

Imperial 5A

ACVP Council and Education Committee

Contact: Wendy Coe

12:15 p.m.–1:15 p.m.

Bolden 6

ACVP Development Committee

Contact: Dr. Mike Conner

12:15 p.m.–2:00 p.m.

Strand 11

Latin Comparative Pathology Group (LCPG) Presents (presented in English)

1:30 p.m.-3:30 p.m.

Celestin H

ASVCP Case Discussion Session

*Session Chair: Tracy Stokol, DVM, PhD**

1:30 p.m.-4:30 p.m.

Strand 10

Community Service Project: Clean the World

1:45 p.m.-3:00 p.m.

Celestin C

Meet the Pathologists: A Discussion of Careers in Pathology

*Session Chair: Mark Simpson, DVM, PhD**

2:00 p.m.-3:00 p.m.

Strand 11

Latin American Pathology Group Business Meeting

3:00 p.m.-5:00 p.m.

Empire Ballroom B

Veterinary Student and Resident Forum

5:00 p.m.-6:30 p.m.

Strand 12

C.L. Davis Foundation Reception

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

Empire Ballroom A

ASVCP Reception

5:30 p.m.-7:00 p.m.

Strand 11

Reception for New Diplomates

Sponsored by IDEXX

5:30 p.m.-7:00 p.m.

Celestin A

VCS/ACVP Joint Pathology Oncology Work Group

6:00 p.m.-7:00 p.m.

Imperial 9

ACVP Council and Corporate Partners Reception

6:00 p.m.-7:30 p.m.

Strand 10A

University of Pennsylvania Alumni Reception

6:30 p.m.-8:00 p.m.

Bolden 6

Iowa State University Alumni Reception

6:30 p.m.–8:00 p.m.

Strand 10B

University of Georgia Alumni Reception

7:00 p.m.–9:00 p.m.

Celestin E

Mystery Slide Review: Neuropathology

*Session Chair: Jey Koehler, DVM, PhD**

Supported by Tox Path Specialists, LLC

7:00 p.m.–9:00 p.m.

Off Site at the Cellar Door (916 Lafayette Street)

Colorado State University Alumni Reception

7:00 p.m.–9:00 p.m.

Bolden 5

Ohio State University Alumni Reception

7:00 p.m.–9:00 p.m.

Strand 13A

University of California Davis Alumni Reception

Tuesday, December 6, 2016

7:00 a.m.–5:00 p.m.

Foster 1 (across from Starbucks)

Speaker Ready Room

7:00 a.m.–7:30 p.m.

Celestin Ballroom Foyer

Internet Station

7:00 a.m.–8:00 a.m.

Imperial 7 Boardroom

ACVP Past Presidents Breakfast

7:00 a.m.–8:00 a.m.

Imperial 9

IEPC Committee

Contact: Dr. Melissa Schutten

7:30 a.m.–5:00 p.m.

Celestin Ballroom Foyer

Registration

8:00 a.m.–5:00 p.m.

Reliance Boardroom

ACVP Council

Contact: Wendy Coe

8:00 a.m.–5:00 p.m.

Strand 5

Student/Guest Hospitality Area

8:00 a.m.–12:00 p.m.

Celestin D

Concurrent Session II: Histology of Juvenile Animals

Session Chair: Marie Odile Benoit-Biancamano, DVM, MSc, PhD,
DECVP*

8:00 a.m.–8:55 a.m.

Development of Juvenile Beagle Dogs

Claudine Tremblay

8:55 a.m.–9:45 a.m.

Postnatal Development of Sprague-Dawley Rats

Marie-Odile Benoit-Biancamano

9:45 a.m.–10:15 a.m.

Storyville Hall

Refreshment Break

10:15 a.m.–11:05 a.m.

Histology of Juvenile Nonhuman Primates with Emphasis on Rhesus Macaques: What's Normal?

Anne Lewis

11:05 a.m.–12:00 p.m.

Evaluating Tissues and Organs From Juvenile Minipigs: Normal Findings and Background Changes

Nanna Grand

8:00 a.m.–12:00 p.m.

Celestin E

Concurrent Session III: Small Ruminant Pathology

Session Chair: Fabio del Piero, DVM, PhD and Francisco (Paco) Uzal, DVM, PhD**

8:05 a.m.–8:45 a.m.

Small Ruminant Clostridial Diseases

Francisco (Paco) Uzal

8:45 a.m.–10:15 a.m.

Small Ruminant Systemic Pathology

Edward G. Clark

10:15 a.m.–10:40 a.m.

Small Ruminant Neuropathology

Fabio del Piero

10:40 a.m.–11:10 a.m.

Storyville Hall

Refreshment Break

11:10 a.m.–12:00 p.m.

Poisonous Plants Affecting Small Ruminants

Franklin Riet-Correa

8:00 a.m.–12:00 p.m.

Celestin H

Clinical Pathology Focused Scientific Session II

Session Chair: L. Tomlinson

Committee Members: E. Behling-Kelly, S. Connolly, N. Tripathi, C. Wagg, and V. Wong

8:00 a.m.–8:15 a.m.

COMPARISON OF THE SEDIVUE DX(TM) ANALYZER WITH MANUAL MICROSCOPY FOR DETECTION OF RED BLOOD CELLS AND WHITE BLOOD CELLS IN URINE SEDIMENTS

Annalisa M. Hernandez[†], Graham E.A. Bilbrough, Dennis B.

DeNicola, Celine Myrick, Alexandra N. Myers, Mary B. Nabity

Keyword: Urinary System

8:15 a.m.–8:30 a.m.

VALIDATION OF TWO POINT-OF-CARE METERS FOR MEASURING TRIGLYCERIDE CONCENTRATION IN CHICKEN WHOLE BLOOD AND PLASMA

Katherine L Irvine[†], Christoph Mans, Kristen R Friedrichs

Keyword: Clinical Chemistry

8:30 a.m.–8:45 a.m.

VERIFICATION OF THE ELEMENT POC BLOOD GAS INSTRUMENT FOR USE WITH CAMELID VENOUS BLOOD, AND DETERMINATION OF REFERENCE INTERVALS

Lisa Viesselmann[†], Ricardo Videla, Bente Flatland

Keyword: Clinical Pathology

8:45 a.m.–9:00 a.m.

THE EFFECT OF THREE RESUSCITATIVE FLUID THERAPIES ON HEMOSTASIS, MEASURED BY ROTATIONAL THROMBOELASTOMETRY, IN DOGS

Sunita Seshia[†], Matthew C Gaunt, Beverly A Kidney, Marion L Jackson

Keyword: Clinical Pathology

9:00 a.m.–9:15 a.m.

RETROSPECTIVE EVALUATION OF SERUM IRON, RDW, AND NUCLEATED RED BLOOD CELLS IN DOGS WITH ACUTE TRAUMA: 129 CASES (2009-2015)

Eric J. Fish[†], Sonya Hansen, Elizabeth A. Spangler, Philippe R. Gaillard, Shirley Fan, Lenore M. Bacek

Keyword: Hematology

9:15 a.m.–9:30 a.m.

ANALYTICAL VALIDATION OF A NEW POINT-OF-CARE ASSAY FOR QUANTIFICATION OF SERUM AMYLOID A IN HORSES

Diana Schwartz[†], Nicola Pusterla, Mary M Christopher

Keyword: Clinical Chemistry

9:30 a.m.–9:45 a.m.

APPLICATION AND UTILITY OF A NEAR-BEDSIDE MULTIPLEX IMMUNOCYTOCHEMISTRY PROTOCOL FOR SIMULTANEOUS VIMENTIN AND CYTOKERATIN STAINING

Kelly S. Santangelo, Sarah E Leavell, Russell R. Moore, Amy L MacNeill

Keyword: Cytology

9:45 a.m.–10:30 a.m.

Storyville Hall

Refreshment Break

[†]Competitor for the ASVCP Young Investigator Award

*ACVP Diplomate

10:30 a.m.–10:45 a.m.

**COMPARISON OF CYTOLOGY AND QUANTITATIVE
BIOCHEMICAL ANALYSIS OF TRIGLYCERIDE CONCENTRATION
IN LIVER SAMPLES FROM DAIRY COWS**

*Erica Behling-Kelly, Michael M. Fry, Benjamin Yao, Daryl V. Nydam,
Franco L. Yeal-Lapes, Jessica A. McArt, Sabine Mann*

Keyword: Clinical Pathology

10:45 a.m.–11:30 a.m.

**Invited Speaker: Dynamics of Peripheral and Mucosal CD4+ T
Cells in Simian Immunodeficiency Virus Infection and AIDS**

Ronald Veazey

11:30 a.m.–11:45 a.m.

DIETARY EXOGENOUS THYROTOXICOSIS IN DOGS

*Jennifer Jones, Olgica Ceric, David S Rotstein, Renate
Reimschuessel, Sarah Nemser, Jackie Queen, Lee Anne Palmer,
Lauren Carey, Enrique Yanes Santos, Robert Wilson*

Keyword: Endocrine

11:45 a.m.–12:00 p.m.

**CLINICOPATHOLOGICAL FINDINGS OF FANCONI SYNDROME
POSITIVE DOGS FOLLOWING JERKY PET TREAT INGESTION**

*Jennifer Jones, Renate Reimschuessel, Olgica Ceric, Jake Guag,
David Rotstein, Lauren Carey, Lee Anne Palmer, Rachel Han, Urs
Giger*

Keyword: Clinical Pathology

2:30 p.m.–2:45 p.m.

**ELUCIDATING THE PATHOGENESIS OF PREECLAMPSIA:
REDUCED PLACENTAL EXPRESSION OF REGULATOR OF
G-PROTEIN SIGNALING (RGS)-2**

*Katherine N Gibson-Corley, Katherine J Perschbacher, Jeremy A
Sandgren, Sabrina M Scroggins, Donna A Santillan, Eric J Devor,
Mark K Santillan, Justin L Grobe*

Keyword: Reproductive System

8:00 a.m.–12:00 p.m.

Celestin A

Education Focused Scientific Session

Session Chair: K.P. Carmichael

*Committee Members: M.S. Camus, L. Craig (Past Chair), R. Peters
(Co-Chair), M. Sanchez, M. Sula, M. Troutman, and A. Van Wettene
(Co-Chair)*

8:00 a.m.–8:05 a.m.

Welcome and Announcements

8:05 a.m.–8:20 a.m.

**DIGITAL IMAGING AT THE AFIP/JPC - 20 YEARS OF LESSONS
LEARNED**

Bruce H. Williams

Keyword: Digital Imaging

8:20 a.m.–9:00 a.m.

**RATIONALE AND APPLICATIONS FOR COMPUTER-ASSISTED
DIGITAL WHOLE SLIDE IMAGE ANALYSIS IN POSTGRADUATE
PATHOLOGY EDUCATION**

*Mark Simpson, Shelley B Hoover, Munish Puri, Jennifer E Dwyer,
Charles H Halsey, Stephen M Hewitt*

Keyword: General Topic

9:00 a.m.–9:15 a.m.

**HOW WE USE DIGITAL IMAGES FROM SCANNED MICROSCOPIC
SLIDES FOR INSTRUCTION OF VETERINARY STUDENTS IN
HISTOPATHOLOGY**

Joseph S Haynes, Amanda J Fales-Williams

Keyword: Digital Imaging

9:15 a.m.–9:30 a.m.

**DIGITAL PATHOLOGY AND QUANTITATIVE IMAGE ANALYSIS:
LEVERAGING THE TECHNOLOGIES**

Olulanu H Aina

Keyword: General Topic

9:30 a.m.–9:45 a.m.

**DIGITAL PATHOLOGY AS INVALUABLE RESOURCE FOR
(CONTINUING) EDUCATION: THE EXPERIENCE WITH THE AGP
ROUNDS**

*Alessandra Piersigilli, Paige K Michael, Alexander D Borowsky,
Robert D Cardiff*

Keyword: General Topic

10:00 a.m.–10:30 a.m.

Storyville Hall

Refreshment Break

10:30 a.m.–10:45 a.m.

**GOING DIGITAL: ESTABLISHING AN EPATHOLOGY PROGRAM
FOR COLLABORATION AND TEACHING AT THE CDC'S
INFECTIOUS DISEASES PATHOLOGY BRANCH**

*Joy M Gary, Yokabed Ermias, Jana M Ritter, Wun-Ju Shieh, Sherif
R Zaki*

Keyword: Digital Pathology

10:45 a.m.–11:00 a.m.

**THE UTILITY AND IMPLEMENTATION OF DIGITAL MICROSCOPY
IN VETERINARY PATHOLOGY EDUCATION**

Kevin. Keel

Keyword: Digital Microscopy

11:00 a.m.–12:00 p.m.

**APPLICATION OF DIGITAL PATHOLOGY: “WHAT’S YOUR
DIAGNOSIS” WORKSHOP**

Kevin Keel, K.P. Carmichael, F. Oliveira, and D. Rissi

Keyword: Digital Pathology

9:00 a.m.–5:00 p.m.
Imperial 1
Career Center

9:30 a.m.–3:30 p.m.
Storyville Hall
Exhibits Open and Focused Scientific Poster Session

10:00 a.m.–10:30 a.m.
Storyville Hall
Clinical Pathology Focused Scientific Poster Session

10:00 a.m.–10:30 a.m.
Storyville Hall
Education Focused Scientific Poster Session

12:15 p.m.–1:15 p.m.
Celestin H
2017 Certifying Examination Q & A Session
*Session Chair: Keith Harris, DVM, PhD**

12:15 p.m.–1:15 p.m.
Imperial 5C
Training Program Network
Contact: Dr. Nick Robinson

1:30 p.m.–5:00 p.m.
Celestin H
ASVCP Case Discussion Session
*Session Chair: Tracy Stokol, DVM, PhD**

1:30 p.m.–5:00 p.m.
Celestin E
Diagnostic Pathology Focused Scientific Session II
Session Chair: D. Rotstein
Committee Members: E. Burrough, S. Heindrich, L. Kennedy (Co-Chair), F. Oliveira, S. Raverty (Past Chair), A. Rodrigues-Hoffmann, and H. Snyman

1:30 p.m.–1:40 p.m.
IMMUNOPHENOTYPIC CHARACTERIZATION OF CANINE SPLENIC FOLLICULAR DERIVED B-CELL LYMPHOMAS
Leah R Stein, Matti Kiupel, Cynthia Bacmeister
Keyword: Neoplasia

1:40 p.m.–1:50 p.m.
MALAKOPLAKIA MIMICKING NEOPLASIA IN THE URINARY TRACT OF AN ADULT CAT
Chiara Piccinelli, Marisa Ferreira, James E Hoare, Maurizio Longo, Claire S Taylor, Tiziana Liuti, Nicholas X Bommer, Paola Cazzini
Keyword: Urinary

1:50 p.m.–2:00 p.m.

CHANGES IN THE POSTMORTEM MICROBIOME OVER TIME

Kelsey E Lawrence, Khiem Lam, Renee Greer, Andrey Morgun, Natalia Shulzhenko, Christiane V Löhr

Keyword: Rabbit

2:00 p.m.–2:10 p.m.

HEPATOSPLENIC T-CELL LYMPHOMA IN 16 HORSES

Adam Michel, William Vernau, Peter F Moore

Keyword: Hematopoietic

2:10 p.m.–2:20 p.m.

CARDIAC PATHOLOGY OF EXERCISE-ASSOCIATED SUDDEN DEATH IN RACEHORSES

Santiago Diab, Federico Giannitti, Jorge García, Francisco Uzal

Keyword: Cardiovascular

2:20 p.m.–2:30 p.m.

ACTINOBACILLUS EQUULI CAUSING SEPTICEMIA IN GROW-FINISH SWINE

Rachel J Derscheid, Adam Krull

Keyword: Infectious

2:30 p.m.–2:40 p.m.

AN OUTBREAK OF MONENSIN TOXICITY IN HORSES IN CALIFORNIA

Guillermo M Rimoldi, John M Adaska, Patricia C Blanchard, Robert B Moeller, Robert H Poppenga

Keyword: Toxicologic Pathology

2:40 p.m.–2:50 p.m.

SEVERE NECROTIZING HEPATITIS AND PNEUMONIA DUE TO CANINE HERPESVIRUS INFECTION IN TWO UNRELATED 8- AND 10-WEEK-OLD PUPPIES

Drew Magstadt, Greg Stevenson, Eric Burrough, Jianqiang Zhang

Keyword: Infectious Disease

2:50 p.m.–3:00 p.m.

MOUSE HEPATITIS VIRUS-LIKE PRESENTATION OF PROLIFERATIVE TYPHLOCOLITIS IN IMMUNODEFICIENT SENTINEL MICE

Katherine Wasson, Denise M Imai, Kerriann M Casey, Stephen M Griffey

Keyword: Alimentary

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–3:40 p.m.

**RENAL HEMANGIOSARCOMA WITH PULMONARY METASTASIS
IN A MARE**

Katherine Hughes, Vikki HL Scott

Keyword: Urinary

3:40 p.m.–3:50 p.m.

**RENAL HISTOPATHOLOGY FOR NECROPSIED DOGS WITH
FANCONI SYNDROME AFTER EXPOSURE TO JERKY PET TREATS**

*Jennifer Jones, Rachel Cianciolo, Cathy Brown, David Rotstein,
Olgica Ceric, Lee Anne Palmer, Lauren Carey, Mary Nabity, Renate
Reimschuessel*

Keyword: Urinary

3:50 p.m.–4:00 p.m.

**BILATERAL PHEOCHROMOCYTOMA IN THE ADRENAL GLANDS
OF AN 11 YEAR OLD BOER GOAT**

Maureen T. O'Brien, Rodolfo Madrigal, George A. Stoica

Keyword: Neoplasia

4:00 p.m.–4:10 p.m.

**TUMOR MARGIN ASSESSMENT USING A MODIFIED MOHS
PROCEDURE IN AN ATLANTIC BOTTLENOSE DOLPHIN
(TURSIOPS TRUNCATUS) WITH ORAL SQUAMOUS CELL
CARCINOMA**

David S. Rotstein, Lydia Staggs, Jeremy Sunseri

Keyword: Neoplasia

4:10 p.m.–4:20 p.m.

H1N1 INFLUENZA IN MINK KITS

*Christine Watson, Kathy Toohey-Kurth, Hugh Hildebrandt,
John Easley, Christopher Booth, Mary Lea Killian, Jan Shivers,
Phillip Bochsler, Kathleen Deering, Doug Lyman, Amaranthan
Muthuswamy, Melissa Behr*

Keyword: Respiratory

4:20 p.m.–4:30 p.m.

**PATHOLOGY AND IMMUNOHISTOCHEMICAL FINDINGS OF
DISSEMINATED SALMONELLA TYPHIMURIUM INFECTION IN
MODENA PIGEONS**

*Monique Franca, Joanna Echenique, L. Stabler, Hulimangala L
Shivaprasad*

Keyword: Avian

4:30 p.m.–4:40 p.m.

PHAEOHYPHOMYCOSIS IN ZEBRAFISH

Laura Baseler, Christiane V. Löhr, Jan Spitsbergen

Keyword: Infectious

4:40 p.m.–4:50 p.m.

CANINE OSTEOSARCOMA CELLS CAN LACK ALKALINE PHOSPHATASE ACTIVITY

Amy L. MacNeill, Alex Byas, Lauren Harris, Allison Vilander, Deanna Dailey, Kristen Weishaar

Keyword: Neoplasia

4:50 p.m.–5:00 p.m.

**2015 AAVLD/ACVP Diagnostic Pathology Travel Award Recipient
CANINE DISTEMPER: DETECTION OF A NOVEL GENOTYPE
CAUSING DISEASE IN WILDLIFE**

Jenny P Pope, Debra L Miller, Matthew C Riley, Eman P Anis, Rebecca P Wilkes

Keyword: Wildlife

1:30 p.m.–5:00 p.m.

Celestin C

Experimental Disease Focused Scientific Session II

Session Chair: L. Janke

Committee Members: H. Adissu, L. Baseler (Co-Chair), O. Foreman, S. Gumber, S. Monette (Past Chair), and S. Montgomery

Supported by Amgen, Inc.

1:30 p.m.–2:30 p.m.

Invited Speaker: Of Monkeys and Men: A Translational Approach to Studying Innate Immunity in Infectious Diseases

R. Keith Reeves

2:30 p.m.–2:45 p.m.

**ELUCIDATING THE PATHOGENESIS OF PREECLAMPSIA:
REDUCED PLACENTAL EXPRESSION OF REGULATOR OF
G-PROTEIN SIGNALING (RGS)-2**

K.N. Gibson-Corley, K.J. Perschbacher, J.A. Sandgren, S.M. Scroggins, D.A. Santillan, E.J. Devor, M.K. Santillan, and J.L. Grobe

Keyword: Reproductive System

2:45 p.m.–3:00 p.m.

**PRELIMINARY PATHOLOGY ASSOCIATED WITH EXPERIMENTAL
ZIKA VIRUS INFECTION OF RHESUS MACAQUES (MACACA
MULATTA)**

Rebekah I. Keesler, Lark L. Coffey, Koen K.A. Van Rompay, Jennifer Watanabe, Eliza Bliss-Moreau, Anne Gibbons, John H. Morrison, Kari Christe, Patricia Pesavento, Anil Singapuri, Rie Watanabe, Eric Delwart, Michael Busch, Graham Simmons, Marion M. Lanteri

Keyword: Infectious Disease

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–4:30 p.m.

Invited Speaker: Of Animals and Humans: Pathogenic Properties in the Evolving Genus *Helicobacter*

James G. Fox

4:30 p.m.–4:45 p.m.

INHIBITION OF AN AQUATIC RHABDOVIRUS DEMONSTRATES PROMISE OF A BROAD-SPECTRUM ANTIVIRAL FOR USE IN AQUACULTURE

Bethany F Balmer, Rachel L Powers, Benhur Lee, Frederic Vigant, Michael E Jung, Maureen K Purcell, Kevin R Snekvik, Hector C Aguilar

Keyword: Infectious Disease

4:45 p.m.–5:00 p.m.

PATHOLOGICAL FINDINGS IN A FERRET MODEL OF NON-ADAPTED FILOVIRUS DISEASE

Hannah S Bender, Bronwyn A Clayton, Sarah Riddell, Jessica Haining, Jean Payne, Jennifer Harper, John Bingham, Deborah Middleton, Glenn A Marsh

Keyword: Infectious Disease

1:30 p.m.–5:00 p.m.

Celestin A

Industrial and Toxicologic Pathology Focused Scientific Session II

Session Chair: T. Crabbs

Committee Members: G. Cain, C. Colleton, D. Ennulat (Past Chair), K. Helke, K. Janardhan, R. Johnson, K. Knostman, G. Palanisamy (Co-chair)

Supported by Covance Laboratories

1:30 p.m.–1:35 p.m.

Introduction

1:35 p.m.–2:30 p.m.

Invited Speaker: Overview of Integrative Safety Assessment From a Pathology Perspective

Tanja S. Zabka

2:30 p.m.–3:00 p.m.

UNRAVELING RETINOPATHY IN ALBINO HANNOVER-WISTART RATS ORALLY ADMINISTERED AFQ056: A NEGATIVE ALLOSTERIC MODULATOR of mGluR5

I.M. Pruijboom-Brees, A. Cordier, E. Tritto, V. Dubost, K. Darribat, A. Doelemeyer, D. Thiel, H. Schadt, F. Pognan, M. Schneider, S. Stefanski, T. Fowler, A. Hartmann, F. Gasparini

Keyword: Eye and Ear

3:00 p.m.–3:30 p.m.

Storyville Hall

Refreshment Break

3:30 p.m.–4:30 p.m.

Invited Speaker: Microbiota and Reproducibility of Animals Models

Craig L. Franklin

4:30 p.m.–5:00 p.m.

MORPHINE TREATMENT POTENTIATES CITROBACTER RODENTIIUM VIRULENCE, SYSTEMIC DISSEMINATION AND EXACERBATES GUT DYSBIOSIS IN MICE

Fuyuan Wang, Jingjing Meng, Li Zhang, Sabita Roy

Keyword: Toxicologic Pathology

1:30 p.m.–3:30 p.m.

Imperial 7 Boardroom

ACVP/STP Coalition for Veterinary Pathology Fellows Board of Governors Meeting

Contact: Dr. Gary Cockerell

3:00 p.m.–3:30 p.m.

Storyville Hall

Experimental Disease Focused Scientific Poster Session

5:15 p.m.–6:45 p.m.

Celestin D

ACVP Awards and Recognition Event

7:00 p.m.–9:00 p.m.

Empire Ballroom

ACVP Presidential Reception

Sponsored by Pfizer

Wednesday, December 7, 2016

7:00 a.m.–11:30 a.m.

Foster 1 (across from Starbucks)

Speaker Ready Room

7:00 a.m.–8:00 a.m.

Imperial 5C

Focused Scientific Group Chair Breakfast

Contact: Dr. Lauri Diehl

8:00 a.m.–11:00 a.m.

Strand 5

Student/Guest Hospitality Area

8:00 a.m.–12:00 p.m.

Celestin Ballroom Foyer

Young Investigator Award Poster Session

8:00 a.m.–12:00 p.m.

Reliance Boardroom

ACVP Council

Contact: Wendy Coe

8:00 a.m.–1:00 p.m.

Celestin Ballroom Foyer

Registration

8:00 a.m.–12:00 p.m.

Celestin E

Concurrent Session IV: Rickettsial Diseases

Session Chair: Britton Grasperge, DVM, PhD* and Fabio del Piero, DVM, PhD*

8:00 a.m.–8:05 a.m.

Introduction

8:05 a.m.–8:45 a.m.

The Veterinary Pathologist's Role in the Detection and Study of Rickettsial Disease

Britton J. Grasperge

8:45 a.m.–9:25 a.m.

Unraveling the Biology of Emerging Rickettsial Pathogens

Kevin R. Macaluso

9:25 a.m.–10:05 a.m.

Pathogenic Mechanisms Utilized by Spotted Fever Group Rickettsial Species During Disseminated Disease

Juan J. Martinez

10:05 a.m.–10:35 a.m.

Celestin Ballroom Foyer

Refreshment Break

10:35 a.m.–11:35 a.m.

The Canine-Human Interface in the Ecology and Epidemiology of Rocky Mountain Spotted Fever

Christopher D. Paddock

8:00 a.m.–12:00 p.m.

Celestin D

Concurrent Session V: Racehorse Pathology

Session Chair: Laura Kennedy, DVM and Francisco (Paco) Uzal, DVM, PhD**

8:15 a.m.–9:00 a.m.

The California Racehorse Postmortem Program: Humeral and Axial Fractures

Francisco (Paco) A. Uzal

9:00 a.m.–9:45 a.m.

The Workhorse of the Racehorse: Review of Fetlock Pathology

Jennifer Janes

9:45 a.m.–10:15 a.m.

Celestin Ballroom Foyer

Refreshment Break

10:15 a.m.–11:00 a.m.

Common and Catastrophic Carpal Injuries in the Racehorse: Clarifying Cubital Conundrums

Julie Engiles

11:00 a.m.–11:30 a.m.

Prevalence, Location and Symmetry of Noncatastrophic Ligamentous Suspensory Apparatus Lesions in California Thoroughbred Racehorses, and Association of These Lesions with Catastrophic Injuries

Ashley E. Hill

8:00 a.m.–12:00 p.m.

Celestin H

Mini-Symposium II: Global Health Pathology Initiative

Session Chair: Tanja S. Zabka, DVM, DSP and Corrie Brown, DVM, PhD**

8:00 a.m.–8:15 a.m.

Session Introduction

Mark Simpson

8:15 a.m.–9:00 a.m.

Introducing the Global Health Pathology Network

Tanja S. Zabka

9:00 a.m.–10:00 a.m.

Development Work in Animal Health: A Global Framework for Understanding and Engagement

Corrie Brown

10:00 a.m.–10:30 a.m.

Celestin Ballroom Foyer

Refreshment Break

10:30 a.m.–11:00 a.m.

GHPN: From a Country Specific Perspective

Sarah Corner

11:00 a.m.–11:45 a.m.

GHPN: From a Global Mosaic Perspective

Tony Alves

11:45 a.m.–11:55 a.m.

Panel Discussion

11:55 a.m.–12:00 p.m.

Closing Remarks

Corrie Brown

1:00 p.m.–7:00 p.m.

Celestin C

Post-Meeting Workshop: Advanced Techniques in Veterinary Forensic Pathology (available at an additional fee)

Session Chair: Sean P. McDonough, DVM, PhD and Jason W. Brooks, VMD, PhD**

1:00 p.m.–2:00 p.m.

Photography for the Forensic Pathologist

Ralph R. Ristenblatt, III

2:00 p.m.–2:45 p.m.

Collection of Evidence at Necropsy: Maintenance of Chain of Custody in the Diagnostic Laboratory

Jason W. Brooks

2:45 p.m.–3:00 p.m.

Refreshment Break

3:00 p.m.–3:30 p.m.

Forensic Entomology for the Veterinary Pathologist

Jason Byrd

3:30 p.m.–3:45 p.m.

Break

3:45 p.m.-5:15 p.m.
Labs

5:15 p.m.-6:45 p.m.
Labs

ACVP Veterinary Student Posters

VSP #01: METASTATIC SEMINOMA IN A DOG

Megan Zalek, Kurt Zimmerman, Sabrina Barry, Thomas Cecere

VSP #02: HISTOLOGICAL EFFECTS OF ELECTROCHEMICAL DISSOLUTION IN ANIMAL STUDIES OF CARDIOVASCULAR DEVICES

Jiajie Xu, Elizabeth Crowling, Andrew Nguyen, Brad Weeks

VSP #03: PROLIFERATIVE GRANULOMATOUS CYSTITIS IN AN ENGLISH BULLDOG: A NOVEL PRESENTATION OF ESCHERICHIA COLI INFECTION

Timothy K. Wu, Andrew D. Miller, Kenneth Simpson, Jonathan Schnier

VSP #04: HYALURONAN PROCESSING AND FUNCTION IN THE PROGRESSION OF BREAST CANCER

Patrice M Witschen, Polly Chuntova, Nicholas J Brady, Jaime F Modiano, Kathryn L Schwertfeger

VSP #05: COMBINATION TREATMENT WITH CHEMOTHERAPY AND AN AUTOPHAGY INHIBITOR IN CANINE OSTEOSARCOMA CELLS

Kadi T.N. White, Courtney R. Schott, Geoffrey A. Wood

VSP #06: AGE-RELATED DIFFERENCES IN COLONIC STRUCTURE AND FUNCTION IN VERVET MONKEYS

Magan N. Wells, Chrissy Sherrill, Ashley Davis, Matthew Brown, Anthony Fodor, Kylie Kavanagh

VSP #07: THE EFFECT OF FOXA2 INACTIVATION ON MUCUS OVERPRODUCTION IN CANINE RESPIRATORY INFECTIONS

Michelle A Waltenburg, Woosuk Choi, Carol Maddox, Brendan McKiernan, Richard Fredrickson, Gee Lau

VSP #08: DIETARY IRON AND THE RISK OF NONALCOHOLIC STEATOHEPATITIS

Katherine N Turnbull, Lipika Salaye, Sandy Sink, Donald McClain

VSP #09: JQ-1 DECREASES VIABILITY IN CANINE HEMANGIOSARCOMA CELL LINES INDEPENDENT OF APOPTOSIS

Erin E Trageser, Kristen R Richter, Cory Nielsen, Kimbal E Cooper, Brian P Wellensiek, Mark Olsen, Valerie M Wong

VSP #10: COMPARISON OF REGION OF INTEREST (ROI) SCANNING VS WHOLE SLIDE IMAGING (WSI) USING THE PANOPTIQ™ SYSTEM FOR THE PRECLINICAL ASSESSMENT OF MEDICAL DEVICES

Teo Rousselle, Liam Rousselle, James Stanley, Krista Dillon, Dane A Brady, Serge D Rousselle, Armando Tellez

VSP #11: HYPERCALCEMIA OF MALIGNANCY IN A MINIATURE HORSE WITH SQUAMOUS CELL CARCINOMA

Jere K Stern, Amy S Stewart, Sarah Beatty

VSP #12: IMMUNOPHENOTYPIC CHARACTERIZATION OF CANINE SPLENIC FOLLICULAR DERIVED B-CELL LYMPHOMAS

Leah R Stein, Matti Kiupel, Cynthia Bacmeister

VSP #13: A NEW INCAPACITANCE METER FOR THE MEASUREMENT OF STATIS WEIGHT-BEARING FORCES IN THE HIND LIMBS OF MICE

Samantha Sommer, Michael Nolan

VSP #14: DEVELOPING A PRECLINICAL MOUSE MODEL OF ACUTE MYELOID LEUKEMIA

Alexandria M. Schauer, Anh Diep, Yu Miao, Jonathan Nagel, Amato J. Giaccia

VSP #15: CLINICAL, PATHOLOGICAL, IMMUNOHISTOCHEMICAL AND MOLECULAR FINDINGS IN WEST NILE VACCINATED ALLIGATOR MISSISSIPPIENSIS HATCHLINGS

Dana M Romano, Javier G Nevarez, Kanako Sakaguchi, Ingeborg M Langohr, Del L Phillips, Jacqueline D Ferracone, Fabio del Piero

VSP #16: MOLECULAR EPIDEMIOLOGY OF BORRELIA BURGDORFERI CARRIED BY TICKS ON HEDGEHOGS IN SCOTLAND

Amy Robinson, Melissa Yates, Caroline Millins, David Walker, Romain Pizzi, Adrian Philbey

VSP #17: CHEMODECTOMA IN A MEERKAT (SURICATA SURICATTA)

Christina L. Peck, Lani R. Bower, Mee-Ja M. Sula

VSP #18: CLINICAL AND PATHOLOGICAL CHARACTERIZATION OF OPHTHALMIC DISEASE IN A CANINE MODEL OF MUCOPOLYSACCHARIDOSIS TYPE I

A.S. Nenninger, G. Ben-Shlomo, J.K. Jens, N.M. Ellinwood, Peter Dickinson, J.D. Smith

VSP #19: INHALATION CHAMBER IN A PIG MODEL: DEVELOPING A MODEL OF REINKE'S EDEMA

Allison Mustonen, Preeti Sivasankar, Abigail Durkes

VSP #20: TRANSMURAL GALLBLADDER HEMORRHAGE AS AN INDICATOR OF ANAPHYLAXIS IN DOGS

Kathleen Mulka, Colleen Monahan, Dalen Agnew

VSP #21: SPONTANEOUS MEDIASTINAL MYELOID SARCOMA IN A COMMON MARMOSET (CALLITHRIX JACCUS)

Danielle T. Morosco, Curtis R. Cline, Michael A. Owston, Shyamesh Kumar, Edward J. Dick

VSP #22: ADULT POLYCYSTIC LIVER DISEASE IN A DOG

Caroline S Moon, Noelle Muro, Sabrina Barry, Thomas Cecere

VSP #23: VALIDATING THE CELL OF ORIGIN OF CANINE T-ZONE LYMPHOMA

Zachary G Millman, Kelly L Hughes, Anne C Avery

VSP #24: DETECTION OF AKI IN CATS: OPTIMIZATION OF KIDNEY INJURY MOLECULE 1 (KIM-1) IMMUNOHISTOCHEMISTRY

Marisa A. Maglaty, Susan K. Bland, Rachel E. Cianciolo

VSP #25: BOVINE MUCOSAL GAMMA-DELTA T CELLS IN HOST IMMUNITY AND DEFENSE

Latasha A. Ludwig, Rebecca Egan, Monica M. Baquero, Kevin J. Stinson, Brandon L. Plattner

VSP #26: INDUCTION OF GI TRACT MICROBIAL DYSBIOSIS DOES NOT ACCELERATE DISEASE PROGRESSION IN SIV-INFECTED ASIAN MACAQUES

Mackenzie E Long, Alexandra M Ortiz, Miriam Quinones, Jason M Brenchley

VSP #27: EXPERIMENTAL MODELING OF THE NONSPECIFIC PROTECTIVE EFFECTS OF MEASLES VIRUS VACCINATION

Sarah C Linn, Stefan Niewiesk

VSP #28: IBA1 IMMUNOHISTOCHEMISTRY AIDS IN DIFFERENTIATING CANINE SUBCUTANEOUS GRANULOMATOUS STEATITIS FROM LIPOSARCOMA

Kristen M Leipzig, Elizabeth Driskell

VSP #29: CANINE LEPTOSPIROSIS CAUSED BY LEPTOSPIRA INTERROGANS SEROVAR COPENHAGENI

Chris R Larson, Michelle Dennis, Sree Rajeev

VSP #30: RENAL LESIONS IN THE SMALL INDIAN MONGOOSE IN THE CARIBBEAN ISLAND OF SAINT KITTS

Kristen L LaCroix, Luis Cruz-Martinez, Sean Callanan, Sree Rajeev

VSP #31: PANCREATIC INSUFFICIENCY AND DIABETES MELLITUS ATTRIBUTED TO ZINC TOXICOSIS WITH SELECTIVE CEREBELLAR DEGENERATION AND NECROSIS IN AN ADULT TOULOUSE GOOSE (ANSER ANSER DOMESTICUS)

Angela Jugan, Nicholas Crossland, Peter DiGeronimo, Catherine Barr, Javier Nevarez, Thomas Tully, Jr., Dawn Evans

VSP #32: MAGNETIC RESONANCE IMAGING AND PATHOLOGIC FINDINGS IN A CASE OF ATAXIA OF UNKNOWN ORIGIN IN TWO MIXED BREED CANINES

Aimee Jones, Chris Levine, Dennis O'Brien, Gayle Johnson

VSP #33: RADIATION-INDUCED BONE LOSS IN MACACA MULATTA

Brendan Johnson, Jeffery Willey, Greg Dugan, Catherine Okoukoni, Mark Cline

VSP #36: CONSTRUCTION AND EXPRESSION OF FULL-LENGTH CANINE CIRCOVIRUS MOLECULAR CLONE

Steven TC Hsu, Rie Watanabe, Steven Kubiski, Patricia Pesavento

VSP #37: DETECTION AND CHARACTERIZATION OF FELIS CATUS PAPILLOMAVIRUS 2 (FCAPV2) E6 AND E7 ONCOGENE TRANSCRIPTION IN FELINE CUTANEOUS SQUAMOUS CELL CARCINOMAS THROUGH IN SITU HYBRIDIZATION

Nathan K Hoggard

VSP #38: MODELING THE EFFECTS OF BOLUS FLUID ADMINISTRATION ON CANINE PLATELET FUNCTION: A COMPARISON OF DIFFERENT FLUID FORMULATIONS

Emily L Hipp, Elizabeth Spangler

VSP #39: OPTIMIZING DIAGNOSTICS FOR RABBIT HEMORRHAGIC DISEASE VIRUS-2--AN EMERGING FATAL HEPATITIS THREATENING RABBITS AND HARES IN EUROPE

Dana Hill, Karen Moran, Alexa Bracht, Karyn Havas, Fernando Torres-Velez, Lorenzo Capucci, Fawzi Mohamed

VSP #40: DETECTION OF PYTHIOSIS BY CYTOLOGIC EXAMINATION OF A RECTAL SCRAPE

Kelly A. Hayes, Sarah Beatty, Jennifer Owen

VSP #41: CLINICAL, RADIOGRAPHIC AND HISTOLOGICAL FEATURES OF MAXILLARY FIBROSARCOMA IN 25 CATS

Alexandra Harvey, Cynthia Bell

VSP #42: AN UNUSUAL PRESENTATION OF SALMONELLOSIS IN A GROUP OF YOUNG KHAKI CAMPBELL DUCKLINGS (ANAS PLATYRHYNCHOS DOMESTICUS)

Brenna Hanratty, Gavin R Hitchener

VSP #43: STRESS LEUKOGRAM INDUCED BY ACUTE AND CHRONIC STRESS IN ZEBRAFISH (DANIO RERIO)

Agata K Grzelak, Daniel J Davis, Susan M Caraker, Marcus J Crim, Jan M Spitsbergen, Charles E Wiedmeyer

VSP #44: INTRACEREBRAL BLASTOMYCOSIS IN THE ABSENCE OF CONTEMPORANEOUS VISCERAL LESIONS IN A DOG

Christopher K Gow, Bernard S Jortner

VSP #45: STREPTOCOCCUS EQUI SUBSP. ZOOEPIDEMICUS OUTBREAK IN DOGS IN A NORTH TEXAS ANIMAL SHELTER

Chloe C Goodwin, Barbara Lewis, Andrés de la Concha, Eric Snook

VSP #46: CELL-INTRINSIC AND ENVIRONMENTAL FACTORS CONTRIBUTE TO SEX-SPECIFIC DIFFERENCES IN THE CD8+ T CELL RESPONSE TO INFECTION

Elizabeth W. Goldsmith, Jocelyn Wang, Neva B. Watson, Brian D. Rudd

VSP #47: MIR-146A IS AN ENDOGENOUS REGULATOR OF BOTH HEMATOPOIESIS AND BONE MASS

Jennifer A Geisler, Blake E Hildreth III, James Lee, Albert de la Chapelle, Prosper Boyaka, Michael C Ostrowski, Sudarshana M Sharma

VSP #48: WHOLE GENOME PHYLOGENETIC ANALYSES OF BLUETONGUE VIRUS IN COLORADO RUMINANTS REVEALS GENOMIC DIVERSITY AND VIRAL DISSEMINATION ACROSS THE WESTERN U.S.

Teresa M Garcia, Justin Lee, Jennifer Kopanke, Christie Mayo

VSP #49: SURVEY OF GIARDIA GENETIC ASSEMBLAGES IN DOGS IN THE PHOENIX METROPOLITAN AREA

Miranda Frohlich, Kristen R Richter, Denise Olivas, Sudhindra R Gadagkar, Lauritz A Jensen, Valerie M Wong

VSP #50: VIRAL-MEDIATED ONCOLYSIS OF CANCER CELLS ISOLATED FROM CANINE TUMORS

Kirsha B Fredrickson, Amy L MacNeill

VSP #51: PARVOVIRUS DETECTION BY PCR AND ISH IS ASSOCIATED WITH MYOCARDITIS AND CARDIOMYOPATHY IN YOUNG DOGS

Jordan Ford, Alex Molesan, Laura McEndaffer, Kathleen Kelly

VSP #52: NASAL CRYPTOCOCCUS MYCETOMA IN A GOAT

Cosette Faivre, Ana Alcaraz, Spring Halland, Phil Carbert

VSP #53: HISTOPATHOLOGIC FINDINGS IN A COLONY OF LINED SEAHORSES (HIPPOCAMPUS ERECTUS)

Jennifer Engelhard, Christiane Löhr, Timothy Miller-Morgan, Jerry Heidel

VSP #54: IMMUNOHISTOCHEMICAL LOCALIZATION OF 3 ZIKA VIRUS STRAINS IN LABORATORY MOUSE SPLEENS

Julia Ellison, William Tang, Kenneth Kim, Sujana Shrestha

VSP #55: OLFACTORY ADENOCARCINOMA IN A TASMANIAN DEVIL: A CASE REPORT

Jessica Elbert, Sarah Peck, Dane Hayes, Jim Taylor

VSP #56: DETERMINATION OF IMPORTANT CAUSES OF MORBIDITY AND MORTALITY IN CAPTIVE PSITTACINES SUBMITTED TO THE ONTARIO VETERINARY COLLEGE TEACHING HOSPITAL

Thisuri Eagalle, Nicole Nemeth, Hugues Beaufre, Leonardo Susta

VSP #57: CHARACTERIZATION OF GPNMB EXPRESSION IN MOUSE MODELS OF LYSOSOMAL STORAGE DISEASES

Jose J Diaz Torres, Kelly Cavallo, Jennifer Johnson, Errin Roberts, Jennifer Nietupski, Sue Ryan, John Marshall, Dinesh Bangari

VSP #58: GRANULAR CELL HEMANGIOSARCOMA IN A DOG WITH FEATURES OF HUMAN GRANULAR CELL ANGIOSARCOMA

Lusan DellaGrotte, Anibal Armien, Teresa Weronko, Pompei Bolfa

VSP #59: IDENTIFICATION OF THE HUMAN ENDOGENOUS RETROVIRUS K CELLULAR RECEPTOR

Samantha Darling, Charles Bailey

VSP #60: CHRONIC BRUCELLOSIS INDUCES PERSISTENT MORPHOLOGICAL CHANGES TO THE LIVER AND SPLEEN

Juliane Daggett, Alexandra Brower, Marina Diiioia

VSP #61: CHARACTERIZATION OF NEURONAL NECROSIS FOLLOWING SEIZURES SECONDARY TO PORTOSYSTEMIC SHUNT (PSS) LIGATION

Catharine R Cowan, Kelli M Kopf, Miranda Vieson, Otto I Lanz, Bernard Jortner

VSP #62: AUTOIMMUNE PANCREATITIS IN A BENGAL CAT

Sarah Coe, Wallaya Manatchaiworakul, Matti Kiupel

VSP #63: EFFECTS OF ENVIRONMENTAL TOXICANTS ON INDUCIBLE INNATE IMMUNITY USING BOVINE TRACHEAL EPITHELIAL CELLS AS AN IN VITRO MODEL

Carmon Co, Laura Bourque, Stephen Raverty, Brandon Lillie, Pierre-Yves Daoust, Jeff Caswell

VSP #64: FELINE LEUKEMIA VIRUS IN THE FLORIDA PANTHERS (PUMA CONCOLOR CORYI): EVIDENCE FOR VIRAL PERSISTENCE

Elliott S. Chiu, Simona Kraberger, Mark Cunningham, Dave Onorato, Melody Roelke, Sue VandeWoude

VSP #65: RHODOCOCCLUS EQUI PNEUMONIA IN AN ADULT CAT

Mitchell T. Caudill, Thomas E. Cecere, Stefanie M. DeMonaco, Katie M. Boes

VSP #66: THE EFFECTS OF METFORMIN AND RESVERATROL ON CANINE HEMANGIOSARCOMA CELL LINES

Ariel K. Carlson, Karen Herrera, Beshay Zordoky, Marianne Grant, Leslie Sharkey

VSP #67: INTRATHORACIC NEUROBLASTOMA CAUSING COMPRESSIVE PULMONARY ATELECTASIS IN A SUGAR GLIDER (PETAURUS BREVICEPS)

Maggie Buller, Nicholas Crossland, Christine Higbie, Thomas Tully, Leslie Wilson

VSP #68: DEVELOPMENT OF A PCR STRATEGY FOR SENSITIVE DETECTION OF PINWORMS AND FUR MITES IN LABORATORY RODENTS

Kelsey R Brown, Lucio Gama, Julie Watson

VSP #69: EFFECTS OF 17- α -ESTRADIOL TREATMENT ON NATURALLY OCCURRING STIFLE OSTEOARTHRITIS IN AGED MICE

Channing A. Bancroft, Richard A. Miller, Richard F. Loeser, Cathy S. Carlson

VSP #70: VACCINE ASSOCIATED OCULAR LESIONS IN A 1 YEAR OLD DACHSHUND

Lawrence C Apgar, Valerie A Schuster, Leandro Teixeira

VSP #71: DETERMINATION OF IMPORTANT CAUSES OF MORBIDITY AND MORTALITY IN CAPTIVE PSITTACINES SUBMITTED TO THE ONTARIO VETERINARY COLLEGE TEACHING HOSPITAL

Thisuri Eagalle, Nicole M. Nemeth, Hugues Beaufriere, Leonardo Susta

ACVP and ASVCP Focused Scientific Posters

Clinical Pathology Focused Scientific Session

C-01: QUALIFICATION OF A NOVEL MASS SPECTROMETRY ASSAY FOR THE DETERMINATION OF THE SOLUBLE TRANSFERRIN RECEPTOR (STFR) IN SERUM OF CYNOMOLGUS MONKEYS

Michael Winter, Tom Dunkley, Annette Koerner, Juergen Funk
Keyword: Hematopoietic System

C-02: SORBITOL DEHYDROGENASE DILUTION EXPERIMENT IN CANINE, SWINE AND NON-HUMAN PRIMATE SERUM

Laura C Cregar, Adam D Aulbach
Keyword: Clinical Chemistry

C-03: THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN GREYHOUNDS COMPARED TO NON-GREYHOUND DOGS

M Judith Radin, Jennifer Martinez, M Cristina Iazbik, Toni Hoepf, C Guillermo Couto, Barrak M Pressler, Christine Kellogg, Jane Robertson
Keyword: Clinical Pathology

C-04: ANALYTICAL PERFORMANCE OF ELECTROLYTES ON IDEXX CATALYST ONE (TM) CHEMISTRY ANALYZER FOR CANINE AND FELINE BLOOD SAMPLES

Brian A. Meyer, John Christian, Nicole Rosen, Graham E. Bilbrough, Denise Taddeo, Dennis B. DeNicola
Keyword: Clinical Chemistry

C-06: SPURIOUS PLATELET DOT PLOTS IN DOGS: A RETROSPECTIVE STUDY

Laetitia Piane, Marie-Lou Mayaud, Nathalie Bourge, Catherine Trumel, Anne Geffré
Keyword: Hematology

C-07: CHARACTERIZATION OF FELINE COAGULOPATHIES USING THE ACL-TOP CTS ANALYZER: A RETROSPECTIVE ANALYSIS OF 103 CATS

Angela D Gwynn, Kim Little, Rae Richardson, Davis Seelig, Kevin Williams, Leslie C Sharkey
Keyword: Clinical Pathology

C-08: EVALUATION OF DIFFERENT METHODS, STORAGE TEMPERATURE AND PROCESSING TIME OF PLATELET COUNT OF DOGS

Julieta Volpato, Antonise M Jaguezeski, Cláudio R.S. Mattoso, Adson Costa, Carla D.L. Cancelier, Julia B Moraes, Mariângela Lovatel, Nádia C Weinert, Paulo B Todeschini, Maysa G.N. Xavier, Leticia A Yonezawa, Mere E Saito
Keyword: Clinical Pathology

C-09: AN IMPROVED PURIFIED CANINE PLATELET-RICH PLASMA PROTOCOL

Marina Mitie Monobe, Rodrigo C Silva, Camilo Bulla
Keyword: Clinical Pathology

C-10: CANINE PLATELET RESPONSES TO DIFFERENT AGONISTS IN LIGHT TRANSMITTANCE AGGREGOMETRY

Sandra C. Bulla, Peres R. Badial, Kari Lunsford, Stephen Pruett, Camilo Bulla

Keyword: Hematology

C-11: INFLUENCE OF HIGH- AND LOW-INTENSITY EXERCISE TESTS ON HEMATOLOGICAL PARAMETERS IN AUSTRALIAN CATTLE DOGS

Julieta Volpato, Juliane S. Xavier, Ana C. Dalmina, Carla D.L. Cancelier, Adson Costa, Maysa G.N. Xavier, Estefani L.C. Pereira, Mere E. Saito, Leticia A. Yonezawa

Keyword: Hematology

C-12: HEMATOPOIETIC NEOPLASM: CLINICAL, HEMATOLOGICAL, BIOCHEMICAL AND CYTOLOGICAL EVALUATION OF 79 DOGS FROM BRAZIL

Marina Mitie Monobe, Rodrigo Costa da Silva, Regina Kiomi Takahira

Keyword: Hematopoietic System

C-13: EVALUATION OF A NAGEOTTE COUNTING CHAMBER METHOD AND FLOW CYTOMETRIC TECHNIQUE FOR QUANTIFICATION OF RESIDUAL LEUKOCYTES IN LEUKOREduced CANINE PACKED RED BLOOD CELL UNITS.

Austin K Viall, Dana LeVine

Keyword: Hematology

C-15: HEMATOLOGY REFERENCE INTERVALS OF CATTLE WITH THE XT-2000iV® ANALYZER

Nicolas Herman, Catherine Trumel, François Schelcher, Nathalie Bourges, Anne Geffré

Keyword: Hematology

C-16: OPTIMIZATION OF LYMPHOCYTE MARKERS FOR IMMUNOCYTOCHEMISTRY OF PREVIOUSLY STAINED SLIDES FROM DOGS AND CATS BY TWO COMMERCIAL DIAGNOSTIC LABORATORIES

Julie Vickers, Rose Raskin, Jennifer Ward, Angus Toland, Andrew Torrance

Keyword: Cytology

C-17: REPEAT PATIENT TESTING (RPT) SHOWS PROMISE AS A QUALITY CONTROL METHOD FOR HEMATOLOGY TESTING

Bente Flatland, Kathleen P Freeman

Keyword: Hematology

C-18: PRIMARY INTRAORBITAL, EXTRAOCULAR B CELL LYMPHOMA WITH INTRACYTOPLASMIC GRANULES IN A DOG

Jeremie Korchia, Dodd Sledge, Shin A Park, Tanit Kasantikul, Simon M Petersen-Jones, Anthony Pease, Cheryl L Swenson

Keyword: Neoplasia

C-19: PROGNOSTICATION OF CANINE T CELL LYMPHOMA

Nariman Deravi, Dorothee Bienzle, Olaf Berke, Anthony Mutsaers, Michelle Oblak, Stefan Keller, Veronica Parsons

Keyword: Neoplasia

C-20: MYELOFIBROSIS ASSOCIATED WITH ERYTHROID HYPOPLASIA SECONDARY TO CHRONIC FLUCONAZOLE ADMINISTRATION IN A DOG*Valerie M. Wong, Daniel S. Foy*

Keyword: Hematology

C-21: CONCURRENT GRANULAR LYMPHOMA AND MAST CELL NEOPLASIA WITH MULTIPLE ORGAN INVOLVEMENT IN A DOG*Francisco O Conrado, Elizabeth A Kieran, Julia A Conway, Michele D James, Mary K Leissinger*

Keyword: Clinical Pathology

C-22: CEREBROSPINAL FLUID ANALYSIS WITH THE PROCYTE DX HEMATOLOGY ANALYZER AND COMPARISON WITH HEMOCYTOMETER-DERIVED CELL COUNTS*Holly M. Brown, Jessica Wilson-Hess, Fred L. Metzger, Dennis B. DeNicola*

Keyword: Clinical Pathology

C-23: PRELIMINARY HEMATOLOGY STUDY OF WILD SPOTTED EAGLE RAYS (AETOBATUS NARINARI) OFF OF SARASOTA, FLORIDA*Jill E. Arnold, Brent R. Whitaker*

Keyword: Wildlife

C-24: HEMATOLOGIC EVALUATION IN GUANS (PENELOPE OBSCURA) PHYSICALLY RESTRAINED AND ANESTHETIZED WITH ISOFLURANE*Adson Costa, Julieta Volpato, Cláudio R.S. Mattoso, Bruno Lunardeli, Aury N Moraes, Letícia A Yonezawa, Mere E Saito*

Keyword: Avian

C-25: FIRST DESCRIPTION OF OSLERUS (FILAROIDES) OSLERI LARVAE FOUND IN PERIPHERAL BLOOD OF A DOG FROM BRAZIL*Marina Mitie Monobe, Bruna dos Santos, Regina K Takahira*

Keyword: Clinical Pathology

C-26: HEMATOLOGIC DISTURBANCES CAUSED BY NATURALLY ACQUIRED INFECTION WITH RANGELIA VITALII (PIROPLASMIDA) OF DOGS IN BRAZIL*Stella F Valle, João Fábio Soares, Luciana Sonne, Caroline P Andrade*

Keyword: Hematology

C-27: CROTALUS DURISSUS SNAKE BITE: PRE AND POST TREATMENT THROMBOELASTOMETRIC CHANGES – CASE REPORT*Mauricio O Wilmsen, Marina M Monobe, Bruna Santos, Joao A Ribeiro, Gabriela A Oliveira, Regina K Takahira*

Keyword: Hematology

C-28: FIRST REPORT OF THE EMERGING BASIDIOMYCETE PATHOGEN SCHIZOPHYLLUM COMMUNE IN THE URINARY TRACT OF A CAT*Andrea P Santos, Ewan D Wolff, Allison Kendall, Lynn F Guptill, Larry G Adams, John A Christian, Craig A Thompson*

Keyword: Infectious Disease

C-29: CLINICAL PATHOLOGY AND FEEDING HISTORY DATA FOR NECROPSIED DOGS WITH FANCONI SYNDROME THAT DIED AFTER EATING JERKY PET TREATS

Jennifer Jones, Mary Nabity, Olgica Ceric, David Rotstein, Lee Anne Palmer, Lauren Carey, Cathy Brown, Rachel Cianciolo, Renate Reimschuessel

Keyword: Clinical Pathology

C-30: IMPACT OF URINE FORMED ELEMENT SETTLING AND SAMPLE ASPIRATION LOCATION ON MICROSCOPIC URINALYSIS

Jeremy Hammond, Carelton Ericson, Celine Myrick, Bailey Clock, Dennis B DeNicola

Keyword: Clinical Pathology

C-31: MONITORING FELINE HEMATURIA AT HOME: ASSESSMENT OF A POTENTIAL SCREENING TEST

Elodie Khenifar, Jérôme del Castillo, Carolyn Gara-Boivin

Keyword: Urinary System

C-32: SERUM FIBROBLAST GROWTH FACTOR 23 IN NORMAL DOGS AND DOGS WITH CHRONIC KIDNEY DISEASE

Keren E Dittmer, Kalyani C Perera, Peter A Elder

Keyword: Urinary System

C-33: QUALITATIVE EVALUATION OF CALCIUM OXALATE DIHYDRATE AND STRUVITE CRYSTAL NUMBERS WITH AN IN-CLINIC AUTOMATED URINE SEDIMENT MICROSCOPY SYSTEM

Arthur R Alleman, Graham Bilbrough, Jeremy Hammond, Donald J McCrann, Christine Myrick, Dennis B DeNicola

Keyword: Clinical Pathology

C-34: QUALITATIVE EVALUATION OF SQUAMOUS AND NONSQUAMOUS EPITHELIAL CELL NUMBERS WITH AN IN-CLINIC AUTOMATED URINE SEDIMENT MICROSCOPY SYSTEM

Arthur R Alleman, Graham Bilbrough, Jeremy Hammond, Donald J McCrann, Christine Myrick, Dennis B DeNicola

Keyword: Clinical Pathology

C-35: QUALITATIVE EVALUATION OF ERYTHROCYTE AND LEUKOCYTE NUMBERS WITH AN IN-CLINIC AUTOMATED URINE SEDIMENT MICROSCOPY SYSTEM

Arthur R Alleman, Graham Bilbrough, Jeremy Hammond, Donald J McCrann, Christine Myrick, Dennis B DeNicola

Keyword: Clinical Pathology

C-36: INFLUENCE OF DIFFERENT COLLECTION TECHNIQUES ON URINALYSIS IN DOGS

Cathy Trumel, Laurene Plante, Romain Huve, Florence Palanche, Margot Diemer, Anne Geffré, Rachel Lavoue

Keyword: Clinical Pathology

C-37: PLATELETS DOWNREGULATE THE EXPRESSION OF EMT-TRANSCRIPTION FACTORS IN CANINE OSTEOSARCOMA AND MAMMARY GLAND TUMOR CELL LINES

R.C. Silva, S.C. Bulla, P. Badial, M.M. Monobe, L.A. Anai, E.M. Terra, K. Lunsford, and C. Bulla

Keyword: Neoplasia

Diagnostic Pathology Focused Scientific Session

D-01: MULTICENTRIC GLIOMA IN THE SPINAL CORD AND FOREBRAIN OF A BOSTON TERRIER

Whitney M Zoll¹, Ember D Epperson, Ji-Hey Lim, Sheila Carrera-Justiz

Keyword: Nervous

D-02: BACTERIAL VENTRICULITIS, MENINGOENCEPHALITIS, AND BRONCHOINTERSTITIAL PNEUMONIA IN A FERRET (MUSTELA PUTORIUS FURO)

In Joong Kim¹, Melisa Nau, James W. Carpenter, Brian Lubbers, Ada G. Cino-Ozuna

Keyword: Neoplasia

D-03: COPPER-ASSOCIATED HEPATOPATHY IN A FRIESAN HORSE

Linda Huang¹, Kurt J Williams

Keyword: Liver and Pancreas

D-04: A CASE REPORT: LARGE B-CELL LYMPHOMA WITH PLASMA AND MOTT CELL DIFFERENTIATION IN A YOUNG DOG

Alexandra M Dieterly, Grant Rezabek, April White, Laura Nafe, Melanie Breshears, Theresa Rizzi

Keyword: Alimentary

D-05: OSTEOSARCOMA IN A MATSCHIE'S TREE KANGAROO

Whitney M Zoll¹, Majorie Bercier, Jim Wellehan, William F Craft

Keyword: Wildlife

D-06: HISTOCHEMICAL ANALYSIS OF EOSINOPHILIC CRYSTALS IN A LARYNGEAL MYXOSARCOMA

Eunju Choi, Makoto Asakawa, Marina McConkey, Andrew D Miller, Jeanine Peters-Kennedy

Keyword: Cytology

D-07: TISSUE AUTOLYSIS USING HISTOLOGICAL CRITERIA IN HORSE TISSUES

Nanny Wenzlow¹, Dan Neal, Maureen T Long

Keyword: Other

D-08: IMMUNOHISTOCHEMICAL CHARACTERIZATION OF B-CELL AND T-CELL LINEAGE OF BOVINE LYMPHOMA CASES

Anamika Gupta

Keyword: Neoplasia

D-09: LEUKOENCEPHALOMYELITIS AND POLYNEURITIS IN A MALTESE: ASSOCIATED WITH AUTOIMMUNE RESPONSE TO THE MYELIN?

Wen-Ta Li¹, Hui-Wen Chang, Chian-Ren Jeng, Fun-In Wang, Victor Fei F Pang, Zhi-Jing Wu, Chen-Hsuan Liu

Keyword: Nervous

D-10: MUCOPOLYSACCHARIDOSIS TYPE I IN THE DOBERMAN PINSCHER

Allison C Vilander¹, Crystal Cooley, Sushan Han, Rachel Han, Urs Giger, AR Moore

Keyword: Other

¹Competitor for the ACVP Young Investigator Award

D-11: CAUSE AND MANNER OF DEATH OF VETERINARY FORENSIC CASES FROM METROPOLITAN AREAS IN TAIWAN

Chen-Hsuan Liu, Wei-Hsiang Huang

Keyword: Other

D-12: ENTEROCOLITIS CAUSED BY YERSINIA PSEUDOTUBERCULOSIS INFECTION IN A BOER GOAT

Pankaj Kumar¹

Keyword: Infectious

D-13: A PLAMACYTOID UROTHELIAL CARCINOMA OF URINARY BLADDER WITH SYSTEMIC METASTASIS AND DISSEMINATED INTRAVASCULAR COAGULATION IN A BEAGLE DOG

Susanne Je-Han J.-H. Lin¹, Fun-In Wang, Jih-Jong Lee, Lei-Ya Wang, Yi-Jiun Chen, Hui-Wen Chang, Chian-Ren Jeng, Chen-Hsuan Liu, Victor Fei F. Pang

Keyword: Neoplasia

D-14: PULMONARY/ AIR SAC CARCINOMA IN A WHITE-BELLIED SEA EAGLE

Susanne Je-Han J.-H. Lin¹, Bao-Rong Wang, Hui-Wen Chang, Chen-Hsuan Liu, Fun-In Wang, Victor Fei F. Pang, Chian-Ren Jeng

Keyword: Neoplasia

D-15: CYSTIC THYMOMA IN A RED PANDA

Susanne Je-Han J.-H. Lin¹, Yan-Syue Lai, Hui-Wen Chang, Chen-Hsuan Liu, Fun-In Wang, Victor Fei F. Pang, Chian-Ren Jeng

Keyword: Neoplasia

D-16: PRIMARY MENINGEAL RHABDOMYOSARCOMA OF THE SPINAL CORD OF A YOUNG DOG WITH NEUROMELANOCYTOSIS AND MULTIPLE CUTANEOUS NEUROFIBROMAS: A CASE REPORT

Laura L Hoon-Hanks¹, Chad B Frank, Elijah F Edmondson

Keyword: Nervous

D-17: PRIMARY CEREBELLAR LYMPHOMA WITH HODGKIN'S LYMPHOMA-LIKE MORPHOLOGY IN A CAT

James K Chambers, Yuka Yoshino, Taichi Nakamori, Hiroyuki Nakayama, Kazuyuki Uchida

Keyword: Nervous

D-18: PROFOUND BASOPHILIA IN A CAT WITH FELINE GASTROINTESTINAL SCLEROSING FIBROPLASIA

Harold W Tvedten

Keyword: Hematopoietic

D-19: POSSIBLE VIRAL-INDUCED T-CELL LYMPHOMAS/LEUKEMIAS IN CAPTIVE NON-HUMAN PRIMATES

Shanny Hsuan H. Kuo¹, Wen-Ta Li, Chia-Da Hsu, Pao-Jung Wang, Jun-Cheng Guo, Victor Fei F. Pang, Hui-Wen Chang, Chen-Hsuan Liu, Chian-Ren Jeng

Keyword: Neoplasia

D-20: SYNCHRONOUS MEDULLARY THYROID CARCINOMA AND PARATHYROID CARCINOMA IN A BEAGLE DOG

Shanny Hsuan H. Kuo¹, Chian-Ren Jeng, Victor Fei Pang, Hui-Wen Chang

Keyword: Neoplasia

¹Competitor for the ACVP Young Investigator Award

D-21: PROLIFERATIVE LESIONS ASSOCIATED WITH POXVIRUS IN WILD RODENTS IN TEXAS*Carolyn L Hodo¹, Joanne L Mansell, Jessica E Light, Sarah A Hamer*

Keyword: Wildlife

D-22: MANUAL STRANGULATION ON A STRAY CAT—THE LINK BETWEEN THE SUSPECT'S BEHAVIOR AND THE VICTIM*Wei-Hsiang Huang¹, Chen-Hsuan Liu*

Keyword: Other

D-23: ZYGOMATIC ARCH PAROSTEAL OSTEOSARCOMA IN THREE DOGS*Randi M. Gold¹, Fabiano Oliveira, Roy R. Pool*

Keyword: Bone and Joint

D-24: ANATOMOPATHOLOGICAL FINDINGS OF RESPIRATORY SYSTEM IN MARSH DEER (BLASTOCERUS DICHOTOMUS)*Pedro Enrique E. Navas-Suárez, Jose Mauricio M. Barbanti Duarte, Eliana Reiko Matushima, José Luiz L Catão Dias*

Keyword: Respiratory

D-25: ANATOMOPATHOLOGICAL FINDINGS OF RESPIRATORY SYSTEM IN BROWN-BROCKET DEER (MAZAMA GOUAZOUBIRA)*Pedro Enrique E Navas-Suárez, José Luiz L Catão Dias, Adriana Marques Joppert da Silva, Eliana Reiko Matushima*

Keyword: Respiratory

D-26: HEPATOBLASTOMA AND MIXED ENDOCRINE PANCREATIC CARCINOMA IN A CYNOMOLGUS MACAQUE FETUS*Chee Bing Ong*

Keyword: Neoplasia

D-27: METASTATIC GRANULOSA CELL TUMOR AND SECONDARY SEPTICEMIA IN A FLORIDA MANATEE (TRICHECHUS MANATUS LATIROSTRIS)*David S. Rotstein, Martine de Wit, Ray Ball*

Keyword: Wildlife

D-28: MODIFIED BIOPSY TECHNIQUE AND HISTOPATHOLOGICAL GRADES FOR CRESTY NECK IN SPANISH PUREBRED HORSE*Abelardo M Morales-Briceño, Alejandro E Escamilla-Sanchez, Aniceto M Mendez-Sanchez, Jose P Perez-Arevalo, Jose M Mendez-Angulo*

Keyword: Muscle

D-29: MUCOEPIDERMOID CARCINOMA IN AN ORANGE-WINGED AMAZON PARROT*Denise Lin¹, Sanjeev Narayanan, Melissa Nau, James W Carpenter, Mackenzie Hallman*

Keyword: Avian

D-30: MAMMARY CARCINOMA WITH METASTASIS TO MULTIPLE JOINTS IN A DOG*Maggie McCourt, Alix Dieterly, Paige Mackey, Shane Lyon, Theresa Rizzi, Jerry Ritchey*

Keyword: Mammary

D-31: EQUINE OCULAR PATHOLOGY: A RETROSPECTIVE HISTOPATHOLOGICAL STUDY

Mariana M Flores¹, Fabio del Piero, Perry L Habecker, Ingeborg M Langohr

Keyword: Eye and Ear

D-32: LISTERIOSIS IN TWO NEONATAL LLAMAS (LLAMA GLAMA)

Ian K. Hawkins, Marcia R.S. Ilha, Eman Anis, Rebecca P. Wilkes

Keyword: Infectious Disease

D-33: GENERALIZED DEMODICOSIS WITH VISCERAL LYMPH NODE INVASION IN A DOG

Moges W. Woldemeskel, Ian K. Hawkins

Keyword: Infectious Disease

D-34: IMMUNOHISTOCHEMICAL PROFILE OF 20 FELINE RENAL CELL CARCINOMAS

José A. Ramos-Vara, Elijah F. Edmondson, Tod Bass, Margaret A. Miller, Deidre M. Dusold

Keyword: Urinary

D-35: HISTOLOGIC LESIONS IN 207 CANINE PITUITARY GLANDS

Andrea L. Vanderpool¹, Margaret A. Miller, Joanna C. Scott-Moncrieff, David S. Bruyette

Keyword: Endocrine

D-36: INTRA-ABDOMINAL LYMPHANGIOSARCOMA WITH PELVIC LIMB PARESIS IN A HORSE

Sarah E. Sykes¹, Susan J. Bender, Perry L. Habecker

Keyword: Cardiovascular

D-37: IDENTIFICATION OF MYXOZOA PARASITE IN THE CONNECTIVE TISSUE OF A CASCADURA FISH (HOPLOSTERNUM LITTORALE) IN TRINIDAD AND TOBAGO

Karelma Frontera-Acevedo, Carla Phillips

Keyword: Wildlife

D-38: CHAETOMIACEAE FUNGI, NOVEL PATHOGENS OF EQUINE CEREBRAL PHAEOHYPHOMYCOSIS

Quinci Plumlee¹, Alix Dieterly, Courtney Meason-Smith, Aline Rodrigues-Hoffmann, Brian Porter, Gabriel Gomez

Keyword: Infectious Disease

D-39: EXERCISE-ASSOCIATED SUDDEN CARDIAC DEATH IN RACEHORSES: CARDIAC HISTOLOGY PROTOCOL

Santiago Diab, Francisco Uzal

Keyword: Cardiovascular

D-40: INFLAMMATORY MAMMARY CARCINOMA IN A SHIH-TZU DOG

Soon Seek Yoon, Byeong Jae So, Ji-Youl Jung

Keyword: Mammary

D-41: EXPRESSION OF BETA-AMYLOID PRECURSOR PROTEIN IN POST-ANESTHETIC MYELOMALACIA IN A CLYDESDALE HORSE

Jessica S. Fortin¹, Joanne Kramer, Dae Y. Kim

Keyword: Nervous System

¹Competitor for the ACVP Young Investigator Award

D-42: SUBLINGUAL PYTHIOSIS IN A CAT*Jessica S. Fortin¹, Michael Calcutt, Dae Y. Kim*

Keyword: Infectious Disease

D-43: BROWN SKIN DISEASE IN PUERTO RICAN CRESTED TOADS*Denise Lin¹, Kelli Almes, Melissa Nau, David Eshar, James W Carpenter*

Keyword: Other

D-44: PHARYNGEAL LIPOID PROTEINOSIS IN 2 DOGS*Wen-Ta Li¹, Bo Chen, Chian-Ren Jeng, Fun-In Wang, Victor Fei F Pang, Ching-Ho Wu, Hui-Wen Chang, Chen-Hsuan Liu*

Keyword: Other

D-45: CONGENITAL MALFORMATIONS SIMILAR TO PENTALOGY OF CANTRELL IN A NEONATAL DACHSHUND*Christina J Ramirez, Lisa G Shaffer*

Keyword: General Topic

D-46: CYTOMEGALOVIRUS AS AN UNUSUAL CAUSE OF URINARY RETENTION AND ABDOMINAL MASS EFFECT IN AN SHIV-INFECTED RHESUS MACAQUE*M Kelly Keating, James Hayes, Tara Jones, David Garber*

Keyword: Infectious Disease

D-47: HOW STERILE ARE LESIONS OF GRANULOMATOUS AND PYOGRANULOMATOUS DERMATITIS AND PANNICULITIS IN DOGS? A NEXT GENERATION SEQUENCING APPROACH TO EVALUATE THE CANINE SKIN MICROBIOME*Fabio B Rosa, Caitlin E Older, Courtney Meason-Smith, Jan S Suchodolski, Sonia Lingsweiler, Joanne Mansell, Aline R Hoffmann*

Keyword: Skin

D-48: EXPRESSION OF CYTOKERATINS 7 AND 20 IN TWO FELINE UROTHELIAL CELL CARCINOMAS OF THE RENAL PELVIS*Fernanda Castillo-Alcala, Anna Kokosinska, Mark G Collett, Josepha DeLay*

Keyword: Neoplasia

D-49: NEUROPATHOLOGICAL CHANGES AND IMMUNOHISTOCHEMICAL FINDINGS IN 26 NATURAL CASES OF FELINE INFECTIOUS PERITONITIS IN CATS*Lorelei L Clarke¹, Daniel R Rissi*

Keyword: Infectious Disease

D-50: EPIZOOTIC BOVINE ABORTION OUTBREAK IN EASTERN NEVADA CATTLE*Alisha T Massa, Kathleen A Potter, Dan Bradway*

Keyword: Infectious Disease

D-51: LIGHT AND ELECTRON MICROSCOPY OF IDIOPATHIC PULMONARY FIBROSIS AND TYPE II PNEUMOCYTE CARCINOMA IN A WEST HIGHLAND TERRIER*Alexandra P.R. Armstrong¹, Ned Patterson, Frederic H. David, Daniel A. Feeney, Anibal G. Armien*

Keyword: Respiratory System

D-52: ABERRANT MIGRATION OF SETARIA DIGITATA TO THE SPINAL CORD OF A HORSE FROM SOUTH KOREA

Hyunkyung Lee, Kyunghyun Lee, Kanghyun Baek, Choieji Choi,
Hayoung Kim, Byunglae So
Keyword: Nervous System

D-53: UNCLASSIFIED MALIGNANT ROUND CELL TUMOR IN A JUVENILE DOG: A CANINE COUNTERPART OF SMALL ROUND CELL TUMOR OF CHILDHOOD?

Ikki Mitsui, Masaki Michishita, Eri Fukazawa, Tetsuya Kobayashi
Keyword: Neoplasia

D-54: DETECTION OF SKUNK ADENOVIRUS 1 (SKADV-1) IN AN AFRICAN PIGMY HEDGEHOG (ATELERIX ALBIVENTRIS)

Hiroo Madarame
Keyword: Infectious Disease

D-55: EXPRESSION ANALYSIS OF OBESITY RELATED FACTORS AND THEIR ASSOCIATION WITH AROMATASE EXPRESSION IN MALIGNANT CANINE MAMMARY TUMORS

Jong-il Shin, Ha-young Lim, Hyun-Woo Kim, Byung-joon Seung, Jung-hyung Ju, Jung-hyang Sur
Keyword: Neoplasia

D-56: THE EXPRESSION OF THE M2 MACROPHAGE ANTIGEN CD163 AND MACROPHAGE RELATED-CYTOKINES IN CANINE MAMMARY TUMORS IS ASSOCIATED WITH OBESITY

Byung-joon Seung¹, Ha-young Lim, Jong-il Shin, Hyun-Woo Kim, Jung-hyung Ju, Jung-hyang Sur
Keyword: Neoplasia

D-57: A UNUSUAL CANCER IDENTIFIED IN AN ADULT MALE SEA LION (ZALOPHUS CALIFORNIANUS) STRANDED IN BRITISH COLUMBIA, CANADA

Stephen A Raverty, Martin Haulena, Karisa Tang, Abigail McClain
Keyword: Wildlife

D-58: LAFORA'S DISEASE IN AN EPILEPTIC CHIHUAHUA WITH NECROTIZING CYSTITIS AND PULMONIC STENOSIS

Molly C. Friedemann, Maureen T. O'Brien, Melanie L. Puchot, Brian F. Porter, Carolyn L. Hodo
Keyword: Nervous

D-59: ADENOCARCINOMAS ARISING FROM APOCRINE GLANDS OF THE CHEEK AREA IN TWO BLACK-TAILED PRAIRIE DOGS (CYNOMYS LUDOVICIANUS)

Hirohiko Kondo, Haruka Sakashita, Hiroki Toge, Shinkichi Tsuruno
Keyword: Neoplasia

D-60: AXIAL OSTEOSARCOMA IN FOUR AFRICAN HEDGEHOGS

Alonso Reyes-Matute, Adriana Méndez-Bernal
Keyword: Neoplasia

D-61: METASTATIC SUBCUTANEOUS PHEOCHROMOCYTOMA IN A CAT

Ashley Leisering, Brian Meyer, Mario Sola, William Wigle, Craig Thompson
Keyword: Endocrine

¹Competitor for the ACVP Young Investigator Award

D-62: SYNOVIAL HISTIOCYTIC SARCOMA IN AN EIGHT YEAR OLD CASTRATED MALE DOG*Jonathan M Bagwell¹, Heather R Herd, Brad L Njaa, Theresa E Rizzi*

Keyword: Neoplasia

D-63: PULMONARY VENO-OCCLUSIVE DISEASE AND PULMONARY CAPILLARY HEMANGIOMATOSIS IN A YOUNG CAT*Tiffany L Jenkins¹, R Jennings*

Keyword: Respiratory

D-64: KARTAGENER SYNDROME IN A WEST HIGHLAND WHITE TERRIER PUPPY*Charles Assenmacher*

Keyword: Other

D-65: CLOISONNE KIDNEY IN A RABBIT*Krystal J Vail¹, Michelle Whitehead, Sharman Hoppes, Raquel R Rech*

Keyword: Urinary

D-66: DERMATITIS WITH ASSOCIATED SARCOPTES SCABEI, CORYNEBACTERIUM SP., AND STAPHYLOCOCCUS HYICUS INFECTION IN A MINIATURE POT-BELLIED PIG (SUS SCROFA DOMESTICUS)*Elizabeth A Kieran¹, Michael J Dark, Heather S Walden, Elizabeth A Nelson*

Keyword: Infectious Disease

D-67: A DIVERGENT MORPHOLOGIC FEATURE OF CUTANEOUS PLASMA CELL TUMORS IN DOGS*Brittany McHale¹, Uriel Blas-Machado, Fabiano Oliveira, Daniel Rissi*

Keyword: Neoplasia

D-68: PULMONARY ARTERITIS ASSOCIATED WITH HYDROPHILIC POLYMER EMBOLI FOLLOWING INTRAVENOUS CATHETERIZATION IN A PET RABBIT*Laura L Bassel¹, Amanda Mansz, Jeff L Caswell*

Keyword: Respiratory System

D-69: NASAL PYTHIOSIS IN A SHEEP FROM TEXAS*Paula R Giarretta, Roy Pool, Glaucia D Kommers, Sara Lawhon, Caitlin E Older, Philippa Gibbons, Rodolfo Madrigal, Raquel R Rech*

Keyword: Infectious Disease

D-70: IMMUNOREACTIVITY OF CANINE LIPOSARCOMA TO MUSCLE AND BROWN ADIPOSE MARKERS*Sarah E Stevens¹, Elise EB LaDouceur, Jason Wood, Christopher M Reilly*

Keyword: Neoplasia

D-71: ACUTE MYELOID LEUKEMIA IN A TOGGENBURG GOAT*Jolie A Demchur¹, Susan J Bender, Koranda A Walsh*

Keyword: Hematopoietic

D-72: BRAIN LESIONS IN A CALF WITH HISTORY OF PERINATAL ASPHYXIA AND APPLICATION OF FLUORO-JADE C*Kenji Koyama¹, Natsuko Fukumoto, Ken-ichi Watanabe, Noriyuki Horiuchi, Tomomi Ozawa, Yoshiyasu Kobayashi*

Keyword: Nervous

D-73: MULTIPLE TUMORS IN A GUINEA PIG (CAVIA PORCELLUS)

Celic Berenice B Montoya Ménez, Adriana Méndez Bernal, Angélica Rodríguez

Keyword: Neoplasia

D-74: CUTANEOUS SPINDLE CELL SARCOMAS IN A KOI CARP (CYPRINUS CARPIO)

Laura E Rice¹, Josue Delgado, Raquel R Rech, Michelle Whitehead, Sharman M Hoppes, Brian F Porter

Keyword: Neoplasia

D-75: A REVIEW OF THE CAUSE AND MANNER OF DEATH OF SUSPECTED ANIMAL ABUSE CASES IN TRINIDAD AND TOBAGO, 2008-2015

Karelma Frontera-Acevedo, Lana A Gyan, Rod B Suepaul

Keyword: General Topic

D-76: STERILE NEUTROPHILIC DERMATOSIS IN A DOG

Myeon-Sik Yang

Keyword: Skin

D-77: HEPATIC ENCEPHALOPATHY AS AN ATYPICAL PRESENTATION OF METASTATIC CARCINOMA IN A DONKEY

Amanda Anderson, Mee-Ja Sula

Keyword: Neoplasia

D-78: CUTANEOUS HIGH-GRADE MYXOFIBROSARCOMA WITH LOCOREGIONAL METASTASES IN A DOG

Valeria Cafe Marcal, Graham Stock, Melanie Dobromylskyj, Marina Scoffone, Jerome Benoit

Keyword: Neoplasia

D-79: HERPESVIRAL BLEPHARITIS ASSOCIATED WITH ORAL B CELL LYMPHOMA IN A CAT

Susanne Je-Han J.-H. Lin¹, Hui-Wen Chang, Chian-Ren Jeng, Fun-In Wang, Victor Fei F. Pang, Chen-Hsuan Liu

Keyword: Eye and Ear

D-80: DUODENAL DUPLICATION CYST IN A BOVID

Ian T. Sprandel, Adam W. Stern

Keyword: Alimentary

D-81: SATELLITE TAG DEPLOYMENT, DETACHMENT AND LOSS OF A SOUTHERN RESIDENT KILLER WHALE (L95) IN BRITISH COLUMBIA, CANADA

Stephen A Raverty, Brad Hanson, Paul Cottrell, David S Rotstein, Sophie Dennison, Tracey Goldstein, Tori McKlveen, Lisa Spavin, Joseph Gaydos

Keyword: Wildlife

D-82: RHABDOMYOLYSIS SECONDARY TO PRESUMPTIVE BLACK WIDOW SPIDER ENVENOMATION IN A CAT

Melanie A. Breshears, Rebecca S. Tims, Shane D. Lyon

Keyword: Muscle

¹Competitor for the ACVP Young Investigator Award

D-83: PULMONARY MYCOSIS SECONDARY TO ENTERIC SALMONELLOSIS IN HORSES

Martha Hensel¹, Courtney Smith, Quinci Plumlee, Aline Rodrigues-Hoffmann, Raquel Rech

Keyword: Respiratory System

D-84: MALIGNANT MELANOCYTIC SCHAWNNOMA IN A CANINE

Ramon A. Wong-Saavedra, Ignacio C. Rangel-Rodriguez, Lucia A. Garcia-Camacho

Keyword: Neoplasia

D-85: MALIGNANT MESOTHELIOMA IN A CANINE

Ramon A. Wong-Saavedra, Ignacio C. Rangel-Rodriguez, Lucia A. Garcia-Camacho

Keyword: Neoplasia

D-86: EVALUATION OF THE EFFECTS OF EXTENDED FIXATION AND DEMINERALIZATION ON IMMUNOHISTOCHEMICAL PROTEIN EXPRESSION IN CANINE OSTEOSARCOMA

Courtney R Schott¹, Geoffrey A Wood

Keyword: General Topic

D-87: URINARY BLADDER UROTHELIAL CARCINOMA WITH PERSISTENT UROABDOMEN AND CONCURRENT LIPOGRANULOMATOUS TUBULOINTERSTITIAL NEPHRITIS IN AN ADULT FEMALE SERVAL (LEPTAILURUS SERVAL)

Nicholas A Crossland¹, Alissa St. Blanc, Peter M DiGeronimo, Rachel E Cianciolo, Gordon J Pirie, Amy E Thiessen, Nobuko Wakamatsu

Keyword: Neoplasia

D-88: ULTRASTRUCTURE OF AIR-CONDUCTING MUCOSA OF DOGS WITH CHRONIC RESPIRATORY DISEASE SUSPECTED OF PRIMARY CILIARY DYSKINESIA

Ileana Miranda¹, Anibal Armien

Keyword: Respiratory

D-89: DIAGNOSIS OF COLLAGEN TYPE III GLOMERULOPATHY USING PASH/MASSON'S TRICHROME COMBINATION (PASH/MT) AND PICOSIRIUS RED (PSR) STAINS

Anne Burnum¹, Brittany McHale, Uriel Blas, Cathy Brown

Keyword: Urinary

D-90: PULMONARY ALVEOLAR CAPILLARY DYSPLASIA IN PUPPIES

Katie J Barnes, Csaba Galambos, Kurt Williams

Keyword: Alimentary

D-91: FATAL RANAVIRUS INFECTION IN A GROUP OF CAPTIVE MELLER'S CHAMELEONS (TRIOCEROS MELLERI)

Lauren B Peiffer¹, Nathan Pate, Kathleen Gabrielson, Allan P Pessier, Ellen Bronson, Lisa Mangus

Keyword: Infectious Disease

D-92: DEVELOPMENT OF QUANTITATIVE REAL-TIME PCR ASSAYS TO DETECT MYCOBACTERIUM SPP. IN ZEBRAFISH (DANIO RERIO)

Danielle M Meritet, Donna M Mulrooney, Micheal L Kent, Christiane V Löhr

Keyword: Infectious Disease

D-93: SUBCUTANEOUS PANNICULITIS-LIKE T-CELL LYMPHOMA IN DOGS

Erica Noland¹, Stefan Keller, Matti Kiupel

Keyword: Neoplasia

D-94: COMPARISON OF HISTOLOGIC MARGIN STATUS IN LOW-GRADE CANINE MAST CELL TUMORS EXAMINED BY RADIAL AND TANGENTIAL SECTIONS

Camila B Does¹, Milan Milovancev, Duncan Russell

Keyword: Neoplasia

D-95: ZEBRA ALERT! EASTERN EQUINE ENCEPHALITIS IN PUPPIES IN THE MIDWEST AND NORTHEAST

Caroline Andrews¹, Jodie Gerdin, Jon Patterson, Scott D. Fitzgerald

Keyword: Nervous

D-96: CLINICOPATHOLOGIC FEATURES OF CANINE LINGUAL T-ZONE LYMPHOMA

Lauren J Harris, Kelly L Hughes, Emily D Rout, Janna A Yoshimoto, Claire M Cannon, Paul R Avery, E.J. Ehrhart, Anne C Avery

Keyword: Neoplasia

D-97: GENOMIC DETECTION OF CYTOLOGICALLY CONFIRMED MAST CELL TUMOR LYMPH NODE METASTASIS OTHERWISE NOT DETECTED BY CONVENTIONAL HISTOPATHOLOGY

Gregory A Krane¹, Barbara Davis, Sarah Beatty, Sarah Boston, Owen Skinner, Julia A Conway

Keyword: Neoplasia

D-98: CD31 IMMUNOREACTIVITY IN CANINE RENAL CELL CARCINOMAS

Tyler J Peat, Elijah Edmondson, Deidre M DuSold, Margaret A Miller, José A Ramos-Vara

Keyword: Neoplasia

D-99: COEXPRESSION OF CD3 AND CD20 IN THREE CASES OF CANINE ENTEROPATHY-ASSOCIATED T-CELL LYMPHOMA, LARGE CELL TYPE (TYPE 1)

Erica Noland¹, Matti Kiupel

Keyword: Neoplasia

D-100: DEVELOPMENT OF A NOVEL DIAGNOSTIC IMPLANT FOR DETECTION OF SPECIFIC IMMUNE RESPONSES IN MYCOBACTERIUM AVIUM PARATUBERCULOSIS (MAP) INFECTED CATTLE, MAP VACCINATED CATTLE, AND NAÏVE CATTLE

Tracy Lindquist¹, Saleh Albarrak, Shannon J. Hostetter, Doug E. Jones, Jesse M. Hostetter

Keyword: Infectious | Disease

D-101: ANGIOSTRONGYLUS CANTONENSIS INDUCED VERMINOUS MENINGOENCEPHALOMYELITIS IN A RED KANGAROO

Sonika Patial¹, Brooke A Delcambre, Peter DiGeronimo, Rudy Bauer

Keyword: Nervous

¹Competitor for the ACVP Young Investigator Award

Experimental Disease Focused Scientific Session
E-01: COMPARISON OF PORCINE CIRCOVIRUS TYPE 2(PCV2)- ASSOCIATED LESIONS PRODUCED BY CO-INFECTION OF PCV2 AND PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS(PRRSV)

Jiwoon Jeong, Se Eun Kim, Chanhee Chae

Keyword: Infectious Disease

E-02: ENGINEERED HIGH AFFINITY SOLUBLE AXL DECOY RECEPTOR THERAPY IMPROVES CLINICAL OUTCOME IN MOUSE MODELS OF ACUTE MYELOID LEUKEMIA

Anh Diep¹, Yu Miao, Jonathan Nagel, Mihalios Kariolis, Amato Giaccia

Keyword: Neoplasia

E-03: MICE DEFICIENT IN INTERFERON SIGNALLING DO NOT SUCCUMB TO SYSTEMIC HENDRA VIRUS INFECTION

Emma Croser, Glenn Marsh, Paul Hertzog, Deborah Middleton

Keyword: Infectious Disease

E-05: MUTANT IL-7 RALPHA AND MUTANT NRAS ARE SUFFICIENT TO INDUCE T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA/LYMPHOMA

Sarah D Cramer¹, Julie A Hixon, Caroline Andrews, Gisele OL Rodrigues, Xiaolin Wu, Timothy Back, Helen Michael, Maggie Cam, Emilee Senkevitch, Peter D Aplan, Wenqing Li, Scott K Durum

Keyword: Neoplasia

E-06: COMBINED DEFICIENCY OF RGS6 AND OXIDIZABLE CAMKII PRODUCE EMBRYONIC LETHALITY WITH CARDIOVASCULAR AND HEMATOPOIETIC DEFECTS

David K Meyerholz, Bandana Chakravarti, Heather A Flaherty, Rory Fisher

Keyword: Reproductive System

E-07: PERIPHERAL AND CENTRAL TISSUE RESERVOIRS IN ASYMPTOMATIC CHRONICALLY FELINE IMMUNODEFICIENCY VIRUS-INFECTED CATS

Chrissy Eckstrand¹, Brian Murphy, Kathryn Pitt, Ellen Sparger

Keyword: Infectious Disease

E-08: CONDITIONAL LIVER SPECIFIC LOSS OF TRISTETRAPROLIN FAMILY OF RNA BINDING PROTEINS RESULTS IN HEPATITIS IN MICE

Sonika Patial¹, Gordon P. Flake, Perry J. Blackshear

Keyword: Immune System

E-09: TRANSCRANIAL APPLICATION OF A2A RECEPTOR AGONISTS DECREASES NEOCORTICAL CELL DEATH FOLLOWING MILD TRAUMATIC BRAIN INJURY

Kara N Corps¹, Kenneth A Jacobson, Dorian B McGavern

Keyword: Nervous System

E-10: EXPRESSION KINETICS OF RANTES AND MCP-1 IN THE BRAIN OF DEER MICE (PEROMYSCUS MANICULATUS) INFECTED WITH VESICULAR STOMATITIS NEW JERSEY VIRUS

Leonardo P Mesquita, Fábio RP Bruhn, Paulo César C Maiorka, Elizabeth W Howerth

Keyword: Nervous System

E-11: DELIVERY OF ALX-0171 BY INHALATION GREATLY REDUCES DISEASE BURDEN IN A NEONATAL LAMB RSV INFECTION MODEL

Alejandro Larios Mora¹, Jack M Gallup, Albert Van Geelen, Linde Duprez, Thomas Stohr, Laurent Detalle, Mark R Ackermann

Keyword: Respiratory System

E-12: BOVINE HERPESVIRUS-4 AS A DELIVERY PLATFORM FOR THEILERIA PARVA ANTIGENS

Laura B.A. Williams¹, Lindsay M. Fry, Ivan I. Morrison, Giulia Tebaldi, Donald P. Knowles, Gaetano Donofrio

Keyword: Infectious Disease

E-13: AEROSOLIZED REFLUX TO PIG VOCAL FOLDS: AN IN VIVO STUDY

Abigail C Durkes, Preeti Sivasankar

Keyword: Respiratory

E-14: NON-HUMAN PRIMATE MODEL OF TYPE 2 DIABETES MELLITUS: CEREBRAL EXPRESSION OF GLUCOSE TRANSPORTERS GLUT1 AND GLUT3 AND ALTERATIONS ASSOCIATED WITH INSULIN RESISTANCE AND COGNITIVE IMPAIRMENT

Laura Cavicchioli, Shana Elkind, Karen Dalecki Boisvert, Faramarz Taheri, Sheila Macri, James Rowlett, Susan Westmoreland

Keyword: Primates

E-15: XENOGENIC GRAFT VERSUS HOST DISEASE IN CANINE PBL-SCID MICE: A POTENTIAL MODEL OF CANINE IMMUNE MEDIATED HEMOLYTIC ANEMIA

Jeremy B Foote¹, Emily C Graff, Russel C Cattley, Richard C Bird

Keyword: Immune System

E-16: SURVIVAL TIME AND STABILITY PROPERTIES OF DISEASE-ASSOCIATED PRION PROTEIN IN CHRONIC WASTING DISEASE OF ELK

Jo Moore, Catherine E. Vrentas, Heather Greenlee, Qingzhong Kong, Justin J Greenlee

Keyword: Infectious Disease

E-17: MODELING HUMAN ENTERIC DYSBIOSIS AND ROTAVIRUS IMMUNITY IN GNOTOBIOTIC PIGS

Erica Twitchell¹, Christine Tin, Ke Wen, Husen Zhang, Sylvia Becker-Dreps, M. Andrea Azcarate-Peril, Samuel Vilchez, Guohua Li, Ashwin Ramesh, Mariah Weiss, Shaohua Lei, Tammy Bui, Xingdong Yang, Stacey Schultz-Cherry, Lijuan L. Yuan

Keyword: Immune System

E-18: TARGETING MATRIX METALLOPROTEINASES IN A RABBIT MODEL OF CAVITARY TUBERCULOSIS

Elizabeth A Ihms¹, Michael Urbanowski, Mariah Klunk, Shichun Lun, William R Bishai

Keyword: Infectious Disease

E-19: TURTLE CLAWS AND EXPERIMENTALLY INDUCED SELENOSIS

David L Haskins, Elizabeth W Howerth, Tracey D Tuberville

Keyword: Toxicologic Pathology

¹Competitor for the ACVP Young Investigator Award

E-20: ROLE OF EXOSOMES IN THE CONCEPTUS-ENDOMETRIAL CROSS TALK: POTENTIAL IMPLICATIONS IN THE PATHOPHYSIOLOGY OF EARLY EMBRYONIC MORTALITY IN PIGS

Mallikarjun C Bidarimath, Kasra Khalaj, Rami T Kridli, Chandrakant Tayade

Keyword: Reproductive System

E-21: EXPERIMENTAL INFECTION OF GOATS WITH A NEWLY ISOLATED STRAIN OF AKABANE VIRUS CAUSING ENCEPHALOMYELITIS

Myeon-Sik Yang

Keyword: Infectious Disease

E-22: BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF) IS PREFERENTIALLY UP-REGULATED IN GOLDEN RETRIEVER MUSCULAR DYSTROPHY HEART

Sarah M Schneider¹, Cynthia J Balog, Peter P Nghiem, Garrett T Sansom, Candice L Brinkmeyer-Langford, Joe N Kornegay

Keyword: Cardiovascular

E-23: PIGS WITH NATURALLY-OCCURRING SEVERE COMBINED IMMUNODEFICIENCY (SCID) FAIL TO DEVELOP PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRS)-ASSOCIATED PULMONARY DISEASE

Ada G Cino-Ozuna, Catherine L. Ewen, Jack C.M. Dekkers, Maureen C. Kerrigan, Carol R. Wyatt, Raymond R.R. Rowland

Keyword: Respiratory System

E-24: INVOLVEMENT OF FLT3 SIGNALING-DEPENDENT DENDRITIC CELLS IN HELICOBACTER FELIS INDUCED GASTRITIS

Du-Min Go, Jun-Hee Choi, Su-Hyung Lee, Jee-Yong Eun, Jae-Hoon Choi, Dae-Yong Kim

Keyword: Immune System

E-25: VASCULAR-RELATED PULMONARY PATHOLOGY IN INDIAN RHESUS MACAQUES EXPERIMENTALLY CO-INFECTED WITH MYCOBACTERIUM TUBERCULOSIS AND SIMIAN IMMUNODEFICIENCY VIRUS

Denae N LoBato¹, Taylor W Foreman, Peter J Didier, Deepak Kaushal

Keyword: Primates

E-26: COMPARATIVE IMMUNOPATHOLOGICAL STUDY BETWEEN MYCOBACTERIUM LEPRAE AND MYCOBACTERIUM LEPTOMATOSIS

Ahmad A Saied, Deanna A Hagge, Rahul Sharma, Maria T. Pena, Nashone A. Ray, Ramanuj Lahiri, Richard W. Truman, Linda B. Adams

Keyword: Immune System

E-27: FROM NERVES TO BRAIN: A TIME-BASED STUDY OF PSITTACIFORM 1 BORNAVIRUS (PaBV) PATHOGENESIS IN COCKATIELS (NYPHICUS HOLLANDICUS)

Jeann Leal de Araujo¹, Raquel Rech, Ian Tizard, Jill Heatley, Judith Ball, Jianhua Guo, Aline Rodrigues-Hoffmann

Keyword: Avian

E-28: PROTECTION AGAINST SHIGELLA OCULAR CHALLENGE IN PREVIOUSLY INFECTED GUINEA PIGS: POTENTIAL MODEL FOR DECIPHERING IMMUNE CORRELATES OF PROTECTION

Mark A Smith, Kevin L Hinton, Brianna N McKinney, Kristen A Clarkson, Carly R Strelez, Robert W Kaminski

Keyword: Infectious Disease

E-31: HISTOPATHOLOGIC AND IMMUNOHISTOCHEMICAL CHARACTERIZATION OF VARIOLA VIRUS INFECTION IN HUMANIZED MICE

Jana M. Ritter, Christina L. Hutson, Ashley V. Kondas, Zachary D.

Reed, Sharon M. Dietz-Ostergaard, Johanna S. Salzer, Nadia F.

Gallardo-Romero, Heather M. Hayes, Sherif R. Zaki, Victoria A. Olson

Keyword: Infectious Disease

E-32: TEMPOROSPATIAL DISTRIBUTION OF MICROGLIAL ACTIVATION IN A MURINE MODEL OF SCRAPIE

Alyona V. Michael¹, Tyler A. Harm, Justin J. Greenlee, Heather

Greenlee, Jodi D. Smith

Keyword: Nervous System

E-33: CHRONIC TUBULAR NEPHROPATHY IN ADULT C-KITW-SH/RAG2-/-/IL2RG-/- MICE

Vasudevan Bakthavatchalu, Katherine J Wert, Sureshkumar

Muthupalani, James G Fox

Keyword: Urinary System

E-34: A CANINE MODEL OF CHRONIC GRAFT-VS.-HOST DISEASE: HISTOPATHOLOGICAL ANALYSIS

Smitha Pankajavally Somanathan Pillai

Keyword: Immune System

E-35: TRANSCRIPTOME ANALYSIS OF HUMAN OSTEOSARCOMA TO IDENTIFY DRIVERS OF METASTASIS IN A PATIENT-DERIVED XENOGRAFT MODEL SYSTEM

Amanda L Koehne¹, Leanne C Sayles, Alex G Lee, Stanley G Leung,

Marcus R Breese, Aviv Spillinger, Alejandro Sweet-Cordero

Keyword: Neoplasia

E-36: HEPATIC LESION DEVELOPMENT IN A MURINE MODEL OF LEISHMANIA DONOVANI INFECTION

Waldo Luis L Garcia-Jimenez, Isadora Lima, Jacobo Carrisoza, Karin

Seifert, Francisco Javier J Salguero

Keyword: Infectious Disease

¹Competitor for the ACVP Young Investigator Award

E-37: PANCREATIC REMODELING AND ISLET CELL MORPHOLOGY IN A FERRET MODEL OF CYSTIC FIBROSIS-RELATED DIABETES

Katherine N Gibson-Corley, Weiliang Xie, Ananta Poudel, Manami Hara, John E Engelhardt

Keyword: Ferret

E-38: TRANSMISSION OF CHRONIC WASTING DISEASE OF WHITE-TAILED DEER TO SUFFOLK SHEEP FOLLOWING INTRACRANIAL INOCULATION

Justin J Greenlee, Leisa Z Mandell, Robert A Kunkle

Keyword: Infectious Disease

E-39: SYNONYMOUS CODON CHANGES INDUCE GENE SPECIFIC CHANGES IN EXPRESSION OF MEASLES (HMV) AND CANINE DISTEMPER (CDV) PROTEINS

Elizabeth W Uhl, Michelle L Osborn, Frank J Michel, Robert J Hogan

Keyword: Infectious Disease

E-40: DEVELOPMENT OF A SYNGENEIC IMMUNOCOMPETENT MOUSE MODEL SYSTEM TO EVALUATE NOVEL ONCOLYTIC HERPES SIMPLEX VIRUS TYPE-1 (HSV-1) FOR THE TREATMENT OF MELANOMA

Natalie W Fowlkes¹, Kelli A Clemons, Ramesh Subramanian, Brent Stanfield, Konstantin G Kousoulas

Keyword: Neoplasia

E-41: CHARACTERIZATION OF THE SWITCH TO IRREVERSIBILITY IN MURINE MODELS OF MAMMARY GLAND INVOLUTION

Katherine Hughes, Christine J Watson

Keyword: Mammary

E-42: EARLY PRION TISSUE ACCUMULATION IN DEER EXPOSED TO CHRONIC WASTING DISEASE

Clare E Hoover¹, Kristen D Davenport, Nathaniel D Denkers, Davin M Henderson, Candace K Mathiason, Mark D Zabel, Edward A Hoover

Keyword: Infectious Disease

E-43: LACK OF NF-KB INDUCING KINASE (NIK) RESULTS IN EOSINOPHILIC ESOPHAGITIS (EOE) AND GASTRIC HYPERPLASIA IN MICE: IMPLICATIONS FOR NONCANONICAL NF-KB SIGNALING IN HUMAN EOE

K. Eden¹, Dylan K McDaniel, Bettina Heid, Irving C Allen

Keyword: Alimentary

E-44: IL-27 DIRECTLY ACTS ON COLONIC EPITHELIUM, INDIRECTLY ON SMALL INTESTINE VIA IMMUNE CELLS

Caroline Andrews¹, Scott K Durum

Keyword: Immune System

E-45: CHALLENGES IN DEVELOPING A GLANDERS VACCINE AND POSSIBLE ROLE OF MYELOID-DERIVED SUPPRESSOR CELLS IN A MURINE MODEL OF CHRONIC INFECTION

Tomislav Jelesijevic, Jeremy Dyke, Shawn Zimmerman, Frank Michel, Eric Lafontaine, Robert Hogan

Keyword: Infectious Disease

E-46: EMBOLIC PNEUMONIA WITH INTRALESIONAL BACILLI IN TWO MARMOSSETS INTRANASALLY INFECTED WITH BURKHOLDERIA MALLEI

Tomislav Jelesijevic, Shawn Zimmerman, Frank Michel, Robert Hogan, Eric Lafontaine

Keyword: Infectious Disease

E-47: IMMUNE RESPONSE CELLS OF THE HEART: LESSONS FROM RHESUS MACAQUES (MACACA MULATTA) ABOUT THE DISTRIBUTION OF T AND B CELLS AS WELL AS IDENTIFICATION OF SHORT- AND LONG-LIVED MACROPHAGES

Daniel Petkov¹, Peter Didier, Xianhong Liu, Carolina Allers, Elizabeth Didier, Andrew Lackner, Marcelo Kuroda

Keyword: Infectious Disease

E-48: ROLE OF TOLL-LIKE RECEPTOR 3 (TLR3) IN THE PATHOGENESIS OF GENITAL-TRACT PATHOLOGY INDUCED BY CHLAMYDIA INFECTION IN MICE

Sebastian E Carrasco¹, Sishun Hu, Denise Imai, George E Sandusky, Frank X Yang, Wilbert A Derbigny

Keyword: Infectious Disease

E-49: ASSESSMENT OF A NOVEL RABBIT ATHEROMA MODEL UTILIZING COMBINED DIETARY MODIFICATION, BALLOON INJURY AND ADMINISTRATION OF PRO-CALCIFIC AGENTS

John Keating, Brett Zani, Peter Markham

Keyword: Cardiovascular

E-50: A PROPOSAL FOR DRONE-BASED MONITORING PROJECT TO CONTROL ENVIRONMENT FACTORS AND PRESERVING HUMAN AND ANIMAL HEALTH

Leonardo Leonardi, Giovanni Di Guardo, Federica Piro

Keyword: Neoplasia

E-51: THERMOELASTIC STRESS STUDIES ON TRIDIMENSIONAL (3D-PRINTING) PROSTHETIC CANINE PELVIC BONE MODEL

Leonardo Leonardi, Federica Piro, Enrico Bellezza, Roberto Marsili, Luca Mechelli, Marco Cibeca, Gianluca Rossi

Keyword: Bone and Joint

Education Focused Scientific Session

ED-01: CELL-ING IT? THE FLIPPED CLASSROOM MODEL FOR TEACHING THE CELL-BASED MODEL OF COAGULATION IN THE CLINICAL PATHOLOGY COURSE TO SOPHOMORE VETERINARY STUDENTS

Cheryl A Moller, Kenneth D Royal, Jennifer A Neel

Keyword: Clinical Pathology

ED-02: USE OF AN INTERACTIVE LEARNING PLATFORM (LECTURETOOLS BY Echo360®) TO FACILITATE TEAM-BASED AND CASE-BASED LEARNING IN A LARGE CLINICAL PATHOLOGY COURSE WITH MULTIPLE CAMPUSES

Shannon J Hostetter, Lisa E Gestrine, Amanda J Fales-Williams

Keyword: Clinical Pathology

¹Competitor for the ACVP Young Investigator Award

ED-03: USE OF VOICE RECOGNITION TECHNOLOGY FOR REPORT GENERATION IN AN ANATOMIC PATHOLOGY TRAINING PROGRAM*Teresa L Southard*

Keyword: General Topic

ED-04: TEACHING THE PATHOMECHANICS OF DEGENERATIVE JOINT DISEASE: A COMPARATIVE CASE STUDY APPROACH*Elizabeth W Uhl, Uriel Blas-Machado, Michelle L Osborn*

Keyword: Bone and Joint

ED-05: THE TWEETING PATHOLOGIST – HOW SOCIAL MEDIA CAN ENHANCE YOUR PATHOLOGY PRACTICE AND SHARE YOUR STORY*Jamie L Rothenburger*

Keyword: General Topic

Natural Disease Focused Scientific Session**N-01: HEPATIC TREMATODE INDUCES STRIKING DUCTULAR REACTION IN A HUBB'S BEAKED WHALE (MESOPLODON CARLHUBBSI)***Shotaro Nakagun¹, Akira Shiozaki, Mari Ochiai, Ayaka Matsuda, Takashi Matsuishi, Noriyuki Horiuchi, Yoshiyasu Kobayashi*

Keyword: Wildlife

N-02: HEPATIC ALVEOLAR ECHINOCOCCOSIS IN A BOXER DOG IN SOUTHERN ONTARIO*Britta J Knight¹, Emily Brouwer, Christopher Pinard, Benoit Cuq, Tom Gibson, Brigitte Brisson, Bruno Gottstein, Andrew Peregrine, Dorothee Bienzle, Brandon Lillie, Brandon Plattner*

Keyword: Liver and Pancreas

N-03: ANAPLASTIC OLIGODENDROGLIOMA WITH PROMINENT NEUROCYTIC DIFFERENTIATION IN TWO BOXER DOGS*Ingrid Cornax¹, Gloria E Pluhar, H B Clark, Michael G O'Sullivan*

Keyword: Neoplasia

N-04: A CASE OF SYSTEMIC ASPERGILLUS TERREUS IN A DOG*Cheryl A Lawson¹, Jennifer R Springfield, Kathryn E Rhue, Kelsey A Cline, Elizabeth A Spangler, Pete W Christopherson, Richard C Weiss, Gregory T Almond, Terri L Hathcock*

Keyword: Clinical Pathology

N-05: RNA-SEQ OF SERIAL KIDNEY BIOPSIES OBTAINED DURING PROGRESSION OF CHRONIC KIDNEY DISEASE FROM DOGS WITH X-LINKED HEREDITARY NEPHROPATHY*Candice P Chu¹, Jessica A Hokamp, Mia M Aguilar, Mary B Nabity*

Keyword: Urinary System

N-06: DEREGULATION OF WNT/BETA-CATENIN AND HIPPO PATHWAYS IN HUMAN, FELINE, AND CANINE MAMMARY TUMORS*Alessandro Sammarco¹, Giorgia Beffagna, Laura Cavicchioli, Silvia Ferro, Maria Elena Gelain, Roberta Sacchetto, Enrico Orvieto, Valentina Zappulli*

Keyword: Mammary

N-07: EVOLUTION OF FELINE IMMUNODEFICIENCY VIRUS IN A NOVEL HOST: IMPLICATIONS FOR CONSERVATION OF THE FLORIDA PANTHER

Jennifer L Malmberg¹, Justin Lee, Sahaja Hladky, Ryan Troyer, Melody Roelke, Mark Cunningham, Winston Vickers, Walter Boyce, Erin Boydston, Laurel Serieys, Seth Riley, Kevin Crooks, Sue VandeWoude
Keyword: Wildlife

N-08: IMMUNOHISTOCHEMICAL CHARACTERIZATION OF PROCASPASE-3 OVEREXPRESSION AS A DRUGGABLE TARGET WITH PAC-1, A PROCASPASE-3 ACTIVATOR, IN CANINE BRAIN CANCER

Lisa J Schlein¹, Holly C Pondenis, Edward J Roy, Stephane Lezmi, Peter J Dickinson, Paul J Hergenrother, Timothy M Fan
Keyword: Neoplasia

N-09: CONGENITAL SHORT BOWEL SYNDROME IN AN ADULT DOG

Chad S Clancy¹, Khrista Jensen, Arnaud J Van Wettere
Keyword: Alimentary

N-10: A NOVEL AMDOPARVOVIRUS IN THE RED PANDA

Charles E. Alex¹, Steven V. Kubiski, Linlin Li, Raymund F. Wack, Megan A. McCarthy, Eric Delwart, Patricia A. Pesavento
Keyword: Infectious Disease

N-11: GROSS AND HISTOLOGIC LESIONS IN 93 BALD EAGLES WITH SPONTANEOUS LEAD INTOXICATION

Leah K Manning¹, Arno Wuenschmann, Anibal G Armien, Michelle Willette, Kathleen MacAulay, Jeff Bender, John P Buchweitz, Mike Murphy, Patrick T Redig
Keyword: Wildlife

N-12: VERMINOUS ARTERITIS DUE TO CRASSICAUDA SP. IN CUVIER'S BEAKED WHALES (ZIPHIUS CAVIROSTRIS)

Josué Díaz-Delgado¹, Yara Bernaldo de Quirós, Manuel Arbelo, Aina Xuriach, Eva Sierra, Blanca Mompeo, Lilian Pérez, Marisa Andrada, Juliana Marigo, Jose Luis Catão-Dias, Kátia Regina Groch, John F. Edwards, Antonio Fernández
Keyword: Wildlife

N-13: UTILIZATION OF HIGH-THROUGHPUT TECHNOLOGIES TO INVESTIGATE THE PATHOGENOMICS OF INFECTIOUS DISEASE SUSCEPTIBILITY IN LIVESTOCK

Russell S Fraser¹, Heindrich N. Snyman, Jutta D. Hammermueller, Ann Meyer, John S. Lumsden, Luis G. Arroyo, Tony A. Hayes, Brandon N. Lillie
Keyword: Infectious Disease

N-14: IMMUNOHISTOCHEMISTRY OF LYMPHOID TISSUE AND PERIPHERAL BLOOD MONONUCLEAR CELLS FROM UNINFECTED AND ENDOTHELIO TROPIC HERPESVIRUS-INFECTED ELEPHANTS

Erin E Edwards¹, Anna K Blick, Angela Fuery, Rita McManamon, Paul D Ling, Raquel R Rech
Keyword: Immune System

¹Competitor for the ACVP Young Investigator Award

N-15: GENE EXPRESSION SIGNATURE OF CANINE T ZONE LYMPHOMA

Kelly L Hughes¹, Janna A Yoshimoto, Jeremy Dossey, Julia D Labadie, Anne C Avery

Keyword: Neoplasia

N-16: 'IRON ACCUMULATION' GENE EXPRESSION PROFILE IN OBESE HARTLEY GUINEA PIG KNEE JOINTS IS ASSOCIATED WITH MORE SEVERE OSTEOARTHRITIS

Lauren B Radakovich¹, Kelly S Santangelo

Keyword: Bone and Joint

N-17: PIGEON CIRCOVIRUS IN A FLOCK OF RACING PIGEONS WITH CONCURRENT VIRAL, BACTERIAL, AND MYCOTIC INFECTIONS

Tiffany A Peterson¹, Atsushi Kawabata, Ingrid Cornax, Christine Higbie, Mustajab Mirza, Rudy Bauer, Nobuko Wakamatsu

Keyword: Avian

N-18: CARDIAC MESOTHELIAL PAPILLARY HYPERPLASIA IN FOUR DOGS

Shannon G.M. Kirejczyk¹, Annabelle Burnum, Corrie C. Brown, Kaori Sakamoto, Daniel R. Rissi

Keyword: Cardiovascular

N-19: ASSESSMENT OF THE VALUE OF GANGLION CYTOLOGY FOR THE RAPID POST MORTEM DIAGNOSIS OF EQUINE GRASS SICKNESS

Chiara Piccinelli¹, Rachel C. Jago, Elspeth M. Milne

Keyword: Nervous System

N-20: STREPTOCOCCOSIS IN LABORATORY-PROPAGATED ADULT GULF KILLIFISH (FUNDULUS GRANDIS)

Elizabeth V. Bamberger¹, J. Hawke

Keyword: Infectious Disease

N-21: INCREASED DENSITY OF EPIDERMAL NERVE FIBERS IN DOGS WITH ATOPIC DERMATITIS

Ileana Miranda¹, Sheila Torres, Marna Ericson

Keyword: Skin

N-22: ABERRANT EXPRESSION OF 14-3-3-SIGMA PROTEIN IN CANINE RENAL CELL CARCINOMAS

Alejandro Suárez-Bonnet¹, Ana Lara-García, Alexander L Stoll, Sofia Carvalho, Simon L Priestnall

Keyword: Urinary System

N-23: NANNIZZIOPSIACEAE SPP. INFECTION IN AQUATIC CHELONIANS

Daniel B Woodburn¹, Matthew C Allender, Carol W Maddox, Andrew N Miller, Katherine Haman, Jennifer N Langan, Caryn P Poll, Stefanie Bergh, Drury R Reavill, Karen A Terio

Keyword: Wildlife

N-25: FELINE LEUKEMIA VIRUS ASSOCIATED GIANT CELL DERMATOSIS AND ATTEMPTED TREATMENT IN A CAT – A CASE REPORT

Darren J Berger, Amanda J Fales-Williams, Jodi D Smith, James O Noxon

Keyword: Skin

N-26: RNA-SEQ TRANSCRIPTOME ANALYSIS OF FORMALIN-FIXED PARAFFIN EMBEDDED CANINE MENINGIOMA

Polly A Foureman, Erica A Sloma, Jennifer Grenier, Andrew D Miller

Keyword: Nervous System

N-27: NATURAL MORTALITY IN THE CAPTIVE CHIMPANZEE (PAN SPP.): A 32 YEAR REVIEW

Hannah M Laurence, Michael A Owston, Robert E Lanford, Shyamesh Kumar, Edward J Dick

Keyword: Primates

N-28: IDENTIFICATION OF FAS-LIGAND DEFECTS IN CATS WITH EARLY-ONSET SEVERE FATAL LYMPHOPROLIFERATION. CONFIRMATION OF A FELINE AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME

John S Munday, Danielle Aberdein, Barbara Gandolfi, Keren Dittmer, Leslie Lyons, Richard Malik

Keyword: Immune System

N-29: REPORT OF CYSTICERCOSIS IN SHEEP OF BALLESTA, BOLIVAR, COLOMBIA

Jahnier Caicedo, María Angélica A Ávila Rubiano, Byron Abdel A Hernandez Ortiz

Keyword: Liver and Pancreas

N-30: STUDY OF LUNG LESIONS IN SHEEP SLAUGHTERED FROM BOLIVAR, COLOMBIA

Jahnier Caicedo, María Angélica A Ávila, Danny W Sanjuanelo

Keyword: Respiratory System

N-31: SNAKE FUNGAL DISEASE: UPDATE AND FIRST DESCRIBED CASES IN ONTARIO, CANADA

Nicole M. Nemeth, Lenny Shirose, Douglas D. Campbell, Hugh Cai, Claire M. Jardine

Keyword: Wildlife

N-32: GENOME-WIDE COPY NUMBER PROFILE ANALYSIS OF CANINE CUTANEOUS MAST CELL TUMORS AND ITS APPLICATION TO PREDICT HIGH-RISK TUMOR PHENOTYPE

Hiroyuki Mochizuki, Rachael Thomas, Scott Moroff, Matthew Breen

Keyword: Neoplasia

N-33: CHOLESTEROL DEFICIENCY IN HOLSTEIN CATTLE - A NATURAL LARGE ANIMAL MODEL OF FAMILIAL HYPOBETALIPOPROTEINEMIA?

Thomas Mock, Kemal Mehinagic, Fiona Menzi, Eveline Studer, Anna Oevermann, Michael H. Stoffel, Cord Drögemüller, Mireille Meylan, Nadine Regenscheit

Keyword: Alimentary

N-34: ROLES FOR NLRX1, NF-KB, AND AKT SIGNALING IN CANINE HISTIOCYTIC SARCOMA*Sheryl L Coutermarsh-Ott, Nikolaos G Dervisis, Irving C Allen*

Keyword: Neoplasia

N-35: FATAL PNEUMOTHORAX IN A DOG CAUSED BY A LESION RESEMBLING CONGENITAL PULMONARY AIRWAY MALFORMATION (CPAM) OF CHILDREN*Cameron G. Knight, Lorenza Malaguti, Sophie Rajotte, Nicolas Rousset, Brielle V. Rosa, James R. Wright*

Keyword: Respiratory System

N-37: PATHOLOGY AND CAUSES OF DEATH OF STRANDED HUMPBACK WHALES (MEGAPTERA NOVAEANGLIAE) IN BRAZIL*Kátia R Groch, Josué Díaz-Delgado, Milton C.C. Marcondes, Elitieri B Santos-Neto, Adriana C Colosio, Vítor L Carvalho, Gisele S Boos, Ana Carolina O Meirelles, Antonio Fernández, José L Catão-Dias*

Keyword: Wildlife

N-38: DEVELOPMENT OF REAL-TIME PCR ASSAY FOR DETECTION OF VERONAEA BOTRYOSA IN ENVIRONMENTAL SAMPLES AND STURGEON TISSUES*Matthew F Sheley, Brian Murphy*

Keyword: Infectious Disease

N-39: COMPARISON ANALYSIS OF IRON METABOLISM GENES OF THREE DIFFERENT LEMUR SPECIES, WITH INITIAL FOCUS ON HEPCIDIN IN BLOOD*Maja Ruetten, Hanspeter W Steinmetz, Vidhya Jagannathan, Sandro Altamura, Lloyd Vaughan, Max Gassmann*

Keyword: Primates

N-40: OSTEOSARCOMA AND MAMMARY CARCINOMA CELLS ACTIVATE PLATELETS IN DOGS*Sandra C. Bulla, Peres R. Badial, Kari Lunsford, Stephen Pruett, Camilo Bulla*

Keyword: Neoplasia

N-41: DETECTION AND SEQUENCING OF PPMV-1 IN PARAFFIN-EMBEDDED TISSUES FROM WILD PIGEONS BY NEXT-GENERATION SEQUENCING*Ying He, Marcos Isidoro-Ayza, Salman L Butt, Poonam Sharma, Kiril M Dimitrov, Claudio L Afonso, Hon S Ip, James B Stanton*

Keyword: Wildlife

N-42: INFESTATION OF HOPILAS MALABARICAS WITH THE NEMATODE PARASITE EUSTROGYLOIDES SPP. IN THE ARENA DAM OF TRINIDAD, WEST INDIES*Rod B Suepaul, Ryan S Mohammed, Asoke Basu*

Keyword: Wildlife

N-43: DETERMINATION OF IMPORTANT CAUSES OF MORBIDITY AND MORTALITY IN CAPTIVE PSITTACINES SUBMITTED TO THE ONTARIO VETERINARY COLLEGE TEACHING HOSPITAL*Thisuri Eagalle, Nicole M. Nemeth, Hugues Beaufre, Leonardo Susta*Keyword: Avian

N-44: IMMUNOHISTOCHEMICAL CHARACTERIZATION OF FELINE LYMPHOPLASMACYTIC ANTERIOR UVEITIS

Lawrence W Crossfield, Emma Scurrall, Màrian Matas Riera, Charlotte Dawson, Rachel Hampel, Caroline Thaug, Simon Priestnall, Oliver Garden

Keyword: Eye and Ear

N-45: IDENTIFICATION OF A NOVEL PATHOGENIC MUTATION IN GLOBOID CELL LEUKODYSTROPHY (KRABBE DISEASE) IN A FAMILY OF MIXED-BREED DOGS

Moeko Kohyama, Hinako Yamazoe, Kazuyuki Uchida, Akira Yabuki, Mariko Shima-Sawa, Osamu Yamato

Keyword: Nervous System

N-46: NATURAL PATHOLOGY OF THE CAPTIVE CHIMPANZEE (PAN SPP.): A 32 YEAR REVIEW

Hannah M Laurence, Michael A Owston, Robert E Lanford, Shyamesh Kumar, Edward J Dick

Keyword: Primates

N-47: THE ROLE OF NEOSPORA CANINUM IN WILDLIFE DISEASE

Shannon L. Donahoe, David N. Phalen, Scott A. Lindsay, Mark Krockenberger, Jan Šlapeta

Keyword: Wildlife

N-48: EXPRESSION OF MAST CELL GENES IN CANINE TRANSMISSIBLE VENEREAL TUMOR

Hannah S Bender, Elizabeth P Murchison, Andrea Strakova

Keyword: Neoplasia

N-49: DISEASES IN FREE ROAMING CHICKENS IN THE CARIBBEAN

Pompei Bolfa, Trista Cheng, Hieuhanh Huynh, Jennifer Ketzis, Silvia Marchi, Aspinas Chapwanya, Taurai Tasara, John Joseph Callanan

Keyword: Avian

N-50: FIRST IDENTIFICATION OF SETARIA SPP. MICROFILARIAE IN FREE-RANGE MAMMALIAN WILDLIFE FROM BRAZIL

Marina Mitie Monobe, Rodrigo Costa da Silva, Felipe Fornazari, Helio Langoni, Regina Kiomi Takahira, Joao Pessoa Araujo-Junior

Keyword: Infectious Disease

N-51: CLINICAL FINDINGS ENTEROLOBIUM CYCLOCARPUM POISONING IN CATTLE IN THE EASTERN PLAINS OF COLOMBIA

Leonardo Roa, Hector Rincón, Benjamin Doncel

Keyword: Toxicologic Pathology

Industrial and Toxicologic Pathology Focused Scientific Session

T-01: QUANTITATION OF BIOMARKERS USING FLOW CYTOMETRY IN CLINICAL PATHOLOGY: COMPARATIVE SENSITIVITY AND RELIABILITY OF MULTI-ANALYTES PLATFORM AND MULTIPLEX CYTOMETRY IN THE QUANTITATION OF CIRCULATING CYTOKINES

Alain Stricker-Krongrad, Catherine Shoemake, Miao Zhong, Jason Liu, Guy Bouchard

Keyword: Toxicologic Pathology

T-02: DISCOVERY OF ETHYL UREA DERIVATIVES AS INHIBITORS OF HUMAN ISLET AMYLOID POLYPEPTIDE FIBRILLIZATION AND CYTOTOXICITY

Jessica S. Fortin, Marie-Odile Benoit-Biancamano, René C.-Gaudreault

Keyword: Liver and Pancreas

T-03: TARGETED DELIVERY OF SIRNA THERAPEUTICS: ASGPR TISSUE EXPRESSION EVALUATION IN RAT, MOUSE AND NON-HUMAN PRIMATE

Brenda A Carito, Carole E Harbison, Maja M Janas, Natalie D Keirstead

Keyword: Toxicologic Pathology

T-04: NEONATAL AND JUVENILE OCULAR DEVELOPMENT IN SPRAGUE-DAWLEY RATS: A HISTOMORPHOLOGICAL STUDY

Vanessa Vrolyk, Ancuta Apreutese, Cedric Gordon, Roy Foster, Andrew Graham, Bernard Palate, Julius Haruna, Marie-Odile Benoit-Biancamano

Keyword: Eye and Ear

T-05: ZEBRAFISH AS A PRECLINICAL TOXICOLOGY MODEL

Steve Cassar, Bruce E LeRoy

Keyword: Toxicologic Pathology

T-06: CARDIO-RESPIRATORY DEVELOPMENT IN JUVENILE SPRAGUE-DAWLEY RATS: A HISTOMORPHOLOGIC AND IMMUNOHISTOCHEMICAL STUDY

Vanessa Vrolyk, Ancuta Apreutese, Cedric Gordon, Roy Foster, Andrew Graham, Bernard Palate, Julius Haruna, Marie-Odile Benoit-Biancamano

Keyword: Respiratory System

T-07: URO-GENITAL DEVELOPMENT IN JUVENILE SPRAGUE-DAWLEY RATS: A HISTOMORPHOLOGIC AND IMMUNOHISTOCHEMICAL STUDY

Vanessa Vrolyk, Ancuta Apreutese, Cedric Gordon, Roy Foster, Andrew Graham, Bernard Palate, Julius Haruna, Marie-Odile Benoit-Biancamano

Keyword: Urinary System

T-08: EXPERIMENTAL KIDNEY INJURY IN CATS INDUCED BY A HIGH DOSAGE REGIMEN OF MELOXICAM: A WELL CONTROLLED-RANDOMIZED PROSPECTIVE STUDY

Pablo E Piñeyro, Nicolas F Villarino

Keyword: Urinary System

T-09: LIGHT-INDUCED RETINAL DEGENERATION IN SPRAGUE-DAWLEY RATS IN A DRUG SAFETY STUDY AT A NONCLINICAL RESEARCH LABORATORY

Laura Zwick, Joshua Bartoe, Dale Cooper, Jay Albretsen, Daniel Patrick

Keyword: Eye and Ear

ACVP Late-Breaking Poster Session

LB-01: PYOMETRA IN AN ADULT MALE GERMAN SHEPHERD DOG

Kristin Vyhna, Gary Block, S. Christopher Ralphs

**LB-02: POTENTIAL PATHOGENS DETECTED IN WILD TURKEYS
(MELEAGRIS GALLOPAVO) IN ONTARIO, CANADA**

*Amanda MacDonald, Claire Jardine, Jeff Bowman, Evelin Rejman,
John Barta, Hugh Cai, Doug Campbell, Nicole Nemeth*

**LB-03: A CRITICAL ROLE FOR CD44-OPN SIGNALING IN GASTRIC
CARCINOGENESIS AT THE EPITHELIAL TRANSITIONAL ZONE**

*Dah-Jiun Fu, Andrea Flesken-Nikitin, Fouad Chouairi, Andrew D Miller,
Alexander Y Nikitin*

**LB-04: BABESIA SPP. INFECTION IN A DOMESTIC CAT FROM
BANDEIRANTES CITY, PARANÁ STATE, BRAZIL**

*Ellen S. Marquez, Luciane Holsback, Ademir Zacarias-Junior, Wanessa
Blaschi, Camilla O.R. Alcalá, Angélica L. Sarmento, Stefano Sato,
Hugo L. Abate, Odilon Vidotto*

**LB-05: OBESITY, EXPRESSION OF ADIPOCYTOKINES, AND
MACROPHAGE INFILTRATION IN CANINE MAMMARY TUMORS**

*Ha-young Lim, Hyun-Woo Kim, Jong-il Shin, Byung-joon Seung, Jung-
hyang Sur*

**LB-06: INVESTIGATING THE SUITABILITY OF A LABORATORY MOUSE
MODEL TO STUDY THE PATHOGENESIS OF ABORTIFACIENT
CAMPYLOBACTER JEJUNI**

Victoria Lashley, Michael Yaeger, Orhan Sahin, Zuowei Wu, Ju Ji

**LB-07: FELINE LEUKOCYTE ADHESION DEFICIENCY CAUSED BY
DELETION IN CD18 BETA-INTEGRIN**

Suzanne M Pratt, Thomas R Bauer, Jr., Christina M Palena, Urs Giger

**LB-08: EVALUATION OF JOURNAL CITATION INDICES AND
BIBLIOMETRICS TO EVALUATE THE IMPACT OF VETERINARY
PATHOLOGY**

David K Meyerholz, Heather A Flaherty

**LB-10: DEEP SEQUENCING ANALYSIS OF RNA IN THE BONE MARROW
FOLLOWING PHARMACOLOGIC INHIBITION OF HISTONE
DEACETYLASE 6 IN DISEASED NZB/W F1 MICE**

*Miranda D Vieson, Song Li, Xin M Luo, Alexander M Gojmerac,
Christopher M Reilly*

**LB-11: SUMMARY OF FREE-RANGING SNAKE SUBMISSIONS TO THE
SOUTHEASTERN COOPERATIVE WILDLIFE DISEASE STUDY FROM
1977-PRESENT**

*Heather Fenton, Sarah Coker, Daniel Mead, Lisa Last, Michael Quist,
Hannah Stanford, Jessica Gonynor-McGuire*

**LB-12: FATAL ENCEPHALITIS CAUSED BY HERPES SIMPLEX VIRUS 1 IN
A PREHENSILE-TAILED PORCUPINE (COENDOU PREHENSILIS)**

Zachary V Mills, Nancy L Stedman

**LB-13: EXPERIMENTAL PENILE VEIN INJECTION IN MICE:
MORPHOLOGIC FINDINGS**

Alessandra Piersigilli, Sara F Santagostino

LB-14: EVALUATION OF LACTATE DEHYDROGENASE AS TUMOR MARKER IN TRANSMISSIBLE VENERAL TUMOR

Ellen S Marquez, Stefano H. Sato, Mariana P.C. Silva, Celmira Calderón, Mariza F.R. Cruz, André A.S. Rosa, Mariana A Fernandes

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