



# NEWSLETTER

## AMERICAN SOCIETY FOR VETERINARY CLINICAL PATHOLOGY

August 2010

Newsletter #3

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### Important Dates

Sept 28, 29, 30, 2010	ACVP Board Examination, Ames, IA
Oct 30-Nov 3, 2010	Annual ASVCP/ACVP Meeting, Baltimore, MD
November 1, 2010	Annual ASVCP Business Meeting, Baltimore, MD
Nov 11-17, 2010	Annual AAVLD/USAHA Meeting, Minneapolis, MN



## President's Message

We have reached the final phase of our preparations for the Concurrent Meeting of the ACVP and ASVCP in Baltimore, MD from October 30 – November 3. Having just received the bulletin showing our conference program, it's apparent that we're all going to have tough choices to make regarding which talks to attend! The ASVCP program begins Saturday, October 30; it's kicked off by our Pre-meeting Workshop, "How to Jazz Up Those Boring Old Lectures: A Short Course on Principles of Education Theory in Practice." What a great beginning to our meeting and we thank Casey LeBlanc, the session chair, and the Education Committee for all their efforts in putting this workshop together. Don't forget our ASVCP Teaching Clinical Pathology session from 6:00 p.m. to 8:00 p.m. on Saturday evening; the topic – How to Write Good Test Questions – is one from which we all can learn or learn to do better! The ASVCP Education Symposium with a focus this year on Comparative Oncology, begins at 8:00am Sunday morning. This session is sure to be a huge attraction with a fabulous speaker lineup. Several other highlights of our program are the Clinical Pathology Focused Scientific Sessions; the first session is from 1:30 p.m. – 4:30 p.m. on Sunday with the second session on Tuesday from 8 a.m. – 12:00 noon. Tumor Microenvironment is the topic for our Joint Plenary Session on Monday and afterward there is a free afternoon to enjoy the Inner Harbor! Don't forget to be back in time for the ASVCP Clinical Chemistry Review Session from 7:00 p.m.- 9:00 p.m. that evening. One of the most popular sessions of our meeting, the ASVCP Case Review Session, is scheduled for Tuesday afternoon. In addition to the ASVCP scientific program, there is the ASVCP Business Meeting on Sunday afternoon and our ASVCP Reception, which will be held on Monday evening.

Remember that the ACVP and ASVCP are going green! While the Conference Proceedings will be available on a flash drive to all attendees at the meeting, there will be no paper copies. However, about 1 month prior to the meeting, you (registrants) may download the proceedings and print out the pages for the session you are interested in attending. With overlapping ASCVP, ACVP, and ASVCP Veterinary Laboratory Professions Sessions, as well as multiple Pre- and Post-Meeting Workshops, it will be worth your while to look over the program and map out your own meeting plans.

I look forward to seeing you in Baltimore and am excited about the scientific programs and other activities that we have planned for you,

Joanne B. Messick

## Successful ASVCP Sessions Held at the 2010 ACVIM Forum in Anaheim, California

The ASVCP sponsored 8 hours of continuing education curriculum at the recent ACVIM Forum, held in Anaheim, California from June 9-12, 2010. The lectures were very well-attended, and the speakers did an outstanding job of representing the ASVCP.

The first 4 hours of lecture were on the topic of renal physiology, acid-base and electrolytes. **Dr. Mary Nabity** from Texas A&M University presented 2 lectures: "Clinical Pathology of Renal Disease" and "Challenging Cases: Renal Disorders of Dogs and Cats." **Dr. John Christian** from Purdue University presented 2 lectures: "Physiology of Acid-Base and Electrolyte Disorders" and "Challenging Cases: Electrolytes and Acid-Based Disorders." An additional 4 hours included lectures on how to evaluate bone marrow. **Dr. Robin Allison**, from Oklahoma State University, presented "Bone Marrow, Collection, Preparation and Assessment in Dogs and Cats" and "Challenging Cases: Bone Marrow Disorders in Dogs and Cats." **Dr. Amy MacNeill**, from the University of Illinois, presented "Myelodysplastic Syndromes in Dogs and Cats - Can Improved Prognostic Indicators Be Identified?" and "The Classification of Acute Leukemias."

We thank and congratulate all the speakers for another great year at ACVIM. See below for the ACVIM Forum in 2011!!

## Highlights for the Upcoming 2011 ACVIM Forum Denver, Colorado, June 15-18, 2011

The 2011 ACVIM Forum program will focus on Obesity and Metabolic Disease. Dr. Leslie Sharkey will present 2 hours on the pathophysiology of obesity, one hour of a comparative overview and a second focusing on the current state of knowledge in companion animals. The introductory talks will be followed by 2 hours of lecture on adipokines by Dr. Judith Radin. The afternoon session will include an hour discussion of reference interval generation and defining normal for endocrine and metabolic parameters and another hour on the complexity of method validation for those same parameters in companion animal species by Dr. Becky Davies. The session will conclude with Dr. Kirstin Barnhart reviewing pharmacologic options for obesity control for an hour followed by a discussion of a novel therapeutic strategy involving vascular targeting that is currently being evaluated.

## Clinical Pathology Scientific Session Invited Speakers: Dr. Mary Nabity and Dr. Carolyn Henry

The Clinical Pathology Focused Scientific Session at the ACVP meeting in Baltimore will include two presentations focusing on novel biomarkers. **Dr. Mary Nabity**, an Assistant Professor in the Department of Veterinary Pathobiology at Texas A&M University, will present "Urinary Biomarkers of Chronic Kidney Disease in Veterinary Medicine: Where Do We Stand?" **Dr. Carolyn Henry**, a Professor of Oncology in the Department of Veterinary Medicine and Surgery at the University of Missouri-Columbia, will present "Veterinary Cancer Biomarkers: A Specifically Sensitive Topic."

The presentations will be given on Sunday afternoon, October 31 and Tuesday morning, November 2 so please plan to attend!!!

## 2010 ASVCP Pre-meeting Workshop

The ASVCP Pre-meeting Workshop, "**How to Jazz-up Those Boring Old Lectures: A Short Course on Principles of Educational Theory in Practice**" will be held on Saturday, October 30, 2010, at the Marriott Baltimore Waterfront Hotel. A listing of the expert and award-winning speakers and the specific topics is provided below. Please consider signing up for this interesting and unique workshop. It will be educational and beneficial to all that teach!

<b>7:45 a.m.-8:00 a.m.</b>	<b>Registration</b>
<b>8:00 a.m.-8:05 a.m.</b>	<b>Introductions and Meeting Outline</b> Casey J. LeBlanc, DVM, PhD Associate Professor, College of Veterinary Medicine, University of Tennessee, Knoxville, TN
<b>8:05 a.m.-9:15 a.m.</b>	<b>Principles of Teaching and Learning – Basic Principles, and how to identify them in your instructional practice</b> Jared Danielson, MS, PhD Director of Curricular and Student Assessment, College of Veterinary Medicine, Iowa State University, Ames, IA
<b>9:20 a.m.-10:30 a.m.</b>	<b>Applying the Principles of Teaching and Learning with Computer-Based/Self-Paced Examples</b> Jared Danielson, MS, PhD Director of Curricular and Student Assessment, College of Veterinary Medicine, Iowa State University, Ames, IA Holly Bender, DVM, PhD Professor, College of Veterinary Medicine, Iowa State University, Ames, IA
<b>10:30 a.m.-10:50 a.m.</b>	<b>Refreshment Break</b>

10:50 a.m.-12:00 p.m.	<p><b>Applying the Principles of Teaching and Learning with Classroom Examples</b>  Jared Danielson, MS, PhD  Director of Curricular and Student Assessment, College of Veterinary Medicine, Iowa State University, Ames, IA</p> <p>Holly Bender, DVM, PhD  Professor, College of Veterinary Medicine, Iowa State University, Ames, IA</p>
12:00 p.m.-1:30 p.m.	<b>Lunch</b> (on your own)
1:30 p.m.-2:30 p.m.	<p><b>“Why Lecture?”</b>  Jon Lorsch, PhD  Professor, Johns Hopkins University School of Medicine</p>
2:30 p.m.-3:30 p.m.	<p><b>“Why Lecture?”</b>  Jon Lorsch, PhD  Professor, Johns Hopkins University School of Medicine</p>
3:30 p.m.-3:45 p.m.	<b>Refreshment Break</b>
3:45 p.m.-5:00 p.m.	<p><b>Panel Discussion / Show-n-Tell: Unique/Fun lecture techniques</b>  Holly Bender, DVM, PhD  Professor, College of Veterinary Medicine, Iowa State University, Ames, IA</p> <p>Linden E. Craig, DVM, PhD  Associate Professor, College of Veterinary Medicine, University of Tennessee, Knoxville, TN</p> <p>Casey J. LeBlanc, DVM, PhD  Associate Professor, College of Veterinary Medicine, University of Tennessee, Knoxville, TN</p>

## The 2010 Education Forum

After the Pre-Meeting Workshop, the Education Forum will continue in the broad theme of teaching. This year, the topic will focus on how to write test questions that will help you assess your students. The Forum will follow the Pre-Meeting Workshop on Saturday, October 30 from 6 to 8 p.m. This will be useful to anyone who is involved with teaching at several different levels. Please plan to attend.

### **ASVCP Teaching Clinical Pathology Forum: How to write good test questions**

Invited Speaker: Jared Danielson, MS, PhD  
Director of Curricular and Student Assessment, College of Veterinary Medicine, Iowa State University, Ames, IA  
Summary: We will focus on the right and wrong ways to assess our students with examples of good and bad examination questions.

## Preliminary Scientific Program for 2010 ACVP and ASVCP Concurrent Annual Meetings

October 30-November 3, 2010  
Marriot Baltimore Waterfront Hotel  
Baltimore, Maryland

For more details visit: <http://www.acvp.org>

### Saturday, October 30, 2010

7:00 a.m.-7:30 p.m. Registration

**8:00 a.m.-5:00 p.m. ASVCP Pre-Meeting Workshop (available at an additional fee)**

How to Jazz Up those Boring Old Lectures: A Short Course on Principles of Educational Theory in Practice

- Principles of Teaching and Learning – Basic Principles, and How to Identify Them in Your Instructional Practice
- Applying the Principles of Teaching and Learning with Computer-Based/Self-Paced Examples
- Applying the Principles of Teaching and Learning with Classroom Examples
- Why Lecture?
- Panel Discussion / Show-n-Tell: Unique/Fun Lecture Techniques

**8:00 a.m.-5:00 p.m. C.L. Davis Foundation Pre-Meeting Workshop (available at an additional fee)**

Forensic Pathology

**8:00 a.m.-5:00 p.m. ITPIG/Primate Pathology Pre-Meeting Workshop (available at an additional fee)**

Toxicologic Pathology of Immunomodulatory Agents

- A High Density Linkage Map of the Rhesus Macaque Genome
- Clinical Pathology Assessment of Immunomodulatory Agents in Nonhuman Primates
- Opportunistic Infections in the Immunosuppressed Primate Host
- Xenotransplantation: Current Barriers and Progress
- Clinical Development of an Immunomodulatory Agent: The Abatacept and Belatacept Stories
- ITPIG/Primary Pathology Workshop Case Presentations

1:00 p.m.-8:30 p.m. Career Center

6:00 p.m.-8:00 p.m. ASVCP Teaching Clinical Pathology: How to Write Good Test Questions

7:00 p.m.-8:30 p.m. Opening Reception and Focused Poster Session  
Exhibits Open  
Live Auction!

### Sunday, October 31, 2010

7:00 a.m.-5:00 p.m. Registration

**8:00 a.m.-12:00 noon ASVCP Education Symposium: Comparative Oncology**

- A Comparative Approach to Cancer Biology and Therapy
- Comparative Clinical Genomics
- Integrative Molecular Approaches to Cancer
- Translating Advances in Comparative Oncology to Diagnostic Medicine: The Role of Clinical Pathology

**8:00 a.m.-12:00 noon Career Development**

Maintaining Professional Versatility: Embracing the Opportunities Associated with Change

- Skills Sets and Obstacle Common to Successful Careers Across Professions and Organizations: An Executive Coach's Perspective
- From Academia to Big Pharma: It's More than Looking at Slides
- Consulting Following a Career in Big Pharma
- From the Army to a Contract Research Organization
- From Research Pathologist to the Corporate Ranks
- From Government to Industry to Academia (and the Mergers, Near Mergers, Consolidations, and De-consolidations In Between)

**8:00 a.m.-12:00 noon Charles Capen Memorial Symposium on Endocrine Disease**

- The Legacy of Charles Capen
- Heritable Medullary Thyroid Carcinoma Syndromes: A Current Perspective
- Pathology of the Adrenal Medulla and Extradrenal Paraganglia
- Calcium-Regulating Hormones: From Fish to Man and Back Again
- Four Forms of Growth Hormone Excess in the Dog

**8:00 a.m.-12:00 noon Diagnostic Pathology Focused Scientific Session I**

*Supported by Antech Diagnostics*

**8:00 a.m.-12:00 noon Natural Disease Focused Scientific Session I**

- Smallpox: Update on an Ancient Scourge
- Neuropathogenesis of Canine Distemper Virus Infection

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

**9:30 a.m.-4:30 p.m. Exhibits Open  
Focused Scientific Groups Poster Session  
Silent Auction**

**9:30 a.m.-4:30 p.m. Veterinary Student Poster Session****12:00 noon-1:30 p.m. Lunch Break (on your own)****12:15 p.m.-1:15 p.m. Emerging Disease Focus Seminar**

Tasmanian Devil Facial Tumor Disease

**12:30 p.m.-4:30 p.m. ASVCP Veterinary Laboratory Professionals Session I**

- Immunocytochemistry: Getting Started
- Immunocytochemistry: Technique and Interpretation of Hematopoietic Conditions
- Evaluating Hemolymph: Clinical Pathology in the American Lobster

**1:30 p.m.-4:30 p.m. Clinical Pathology Focused Scientific Session I**

- Urinary Biomarkers of Chronic Kidney Disease in Veterinary Medicine: Where Do We Stand?

**1:30 p.m.-5:00 p.m. Experimental Disease Focused Scientific Session I**

- Mouse Models of Skeletal Disease
- Genetic and Cell Biology-based Dissection of Neurological Function in Mice

**1:30 p.m.-5:00 p.m. Industrial and Toxicologic Pathology Focused Scientific Session I**

- Review of IFSTP Global Training Practices and Global Recognition Proposals for Toxicologic Pathologists Who Participate in Regulatory-Type Nonclinical Toxicity Studies
- Animal Models of Cancer in the National Toxicology Program

*Supported by Genentech*

**1:30 p.m.-5:00 p.m. Natural Disease Focused Scientific Session II**  
•Anatomy and Physiology of the Lymph Node: An Immunophotojournalist's POV  
•Elephants on the Brink: Novel Herpesviruses a Threat to Survival

**4:30 p.m.-6:00 p.m. ASVCP Business Meeting**

**6:00 p.m.-7:30 p.m. ACVP Town Hall Business Meeting**

**7:30 p.m.-10:00 p.m. Mystery Slide Review and Neuropathology Case Presentations**  
*Supported by Schering-Plough Biopharma*

## **Monday, November 1, 2010**

**7:30 a.m.-5:00 p.m. Registration**

**8:00 a.m.-12:00 noon ACVP and ASVCP Joint Plenary Session: Tumor Microenvironment**  
Session Chair: Arlin B. Rogers, DVM, PhD\*  
Assistant Professor, Lineberger Comprehensive Cancer Center and Department of Pathology and Laboratory Medicine, University of North Carolina, Chapel Hill, NC

Session Co-Chair: R. Mark Simpson, DVM, PhD\*  
Head, Molecular Pathology Unit and Director, NIH-wide Comparative Biomedical Scientist Training Program, Laboratory of Cancer Biology and Genetics, Center for Cancer Research, National Cancer Institute, Bethesda, MD

**8:00 a.m.-8:10 a.m. Introduction**

**8:10 a.m.-8:55 a.m. The Role of Astrocytes in the Biology and Therapy of Brain Metastasis**

Isaiah J. Fidler, DVM, PhD  
Professor, Department of Cancer Biology and R.E. "Bob" Smith Distinguished Chair in Cell Biology, and Director, Cancer Metastasis Research Center, M.D. Anderson Cancer Center, Houston, TX

*Sponsored by ASIP*

**8:55 a.m.-9:40 a.m. Reprogramming Leukocyte Function as a Therapeutic Strategy for Solid Tumors**

Lisa Coussens, PhD  
Professor and Director, Mouse Pathology Core, University of California, San Francisco, CA

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

**10:10 a.m.-10:55 a.m. Evolution of Tumor Development in the Natural Microenvironment**  
Terry A. Van Dyke, PhD  
Director, Mouse Cancer Genetics Program and Director, Center for Advanced Preclinical Research, National Cancer Institute, Frederick, MD

**10:55 a.m.-11:40 a.m. Bone Microenvironment and the Pathogenesis of Bone Metastasis**  
Thomas J. Rosol, DVM, PhD\*  
Special Assistant to the Vice President for Research for Technology Licensing and Commercialization and Professor of Veterinary Biosciences, Department of Veterinary Biosciences, The Ohio State University, Columbus, OH



**11:40 a.m.-12:00 noon Questions and Discussion**

*Supported by Charles River*

**8:00 a.m.-12:00 noon ASVCP Veterinary Laboratory Professionals Session II**

- Clinical Pathology: Exotic Animal Case Reports from the Field
- Myths About Platelets
- VIN Quality Control Material Study: Quality of In-Clinic and Reference Laboratory Testing

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

**9:30 a.m.-1:00 p.m. Exhibits Open  
Focused Scientific Groups Poster Session  
Silent Auction**

**9:30 a.m.-5:00 p.m. Veterinary Student Poster Session**

**12:15 p.m.-1:15 p.m. ACVP Clinical Pathology Examination Slide Review**

**12:15 p.m.-1:15 p.m. The Latin Comparative Pathology Group**

*Latin Subdivision of the CL Davis Foundation*

- Spinal Cord Disease in Large Animals and Disease Investigation in a Group of Aberdeen Angus Calves Presented with Progressive Hind Limb Ataxia
- Non Granulomatous Lesions in Red Tilapias Larvae Caused by Psicirickettsia-like Organisms in Colombia: A Case Report
- Main Diseases Diagnosed in the Animal Pathology Service of Buenos Aires University, Argentina

**1:15 p.m. Free Afternoon  
Optional Events**

**7:00 p.m.-9:00 p.m. Placenta and Fetus (Domestic Animals) Slide Review**

**7:00 p.m.-9:00 p.m. ASVCP Clinical Chemistry Review Session**

**Tuesday, November 2, 2010**

**7:30 a.m.-5:00 p.m. Registration**

**8:00 a.m.-12:00 noon Concurrent Session I: Infectious and Transmissible Cancers**

- Transmissible Cancers in Dogs and Tasmanian Devils- Cellular and Molecular Features
- Cytogenetics and Transmissibility of Devil Facial Tumor Disease
- Papillomaviruses, Polyomaviruses and Combinations Thereof in Papillomas and Carcinomas Of Australian Marsupials
- Mechanisms of Herpes Virus-induced Carcinogenesis
- Vaccines to Prevent Papillomavirus Infection and Associated Cancers

**8:00 a.m.-12:00 noon Concurrent Session II: Aquatic Environmental Pathology**

- Fish Kills, Intersex, Other Histopathological Abnormalities and Contaminants of Emerging Concern in Tributaries of the Chesapeake Bay
- A Hop on the Wild Side: The Use of Frogs in Environmental Monitoring
- Mycobacteriosis in Chesapeake Bay Striped Bass: Pathology, Etiology, Ecology and Stock Impacts
- The Tides They are A-Changin': Fish Models and the New Paradigm in Toxicology

**8:00 a.m.-12:00 noon Clinical Pathology Focused Scientific Session II**

- Veterinary Cancer Biomarkers: A Specifically Sensitive Topic

**8:00 a.m.-12:00 noon Education Focused Scientific Session**

- Continuous Curricular Progress in Veterinary Medical Education: How to Tell if your Curriculum is Working and Keys to Making it Work Better

**8:00 a.m.-12:00 noon ASVCP Veterinary Laboratory Professionals Session III**

This morning's session will take place at the Baltimore Aquarium (located two blocks from the Marriott Waterfront Hotel).

- Pathology of the Fish Eye
- Elasmobranch Medicine (Sharks, Skates, and Rays)
- Amphibian Clinical Medicine: Anuran Edema
- Behind the Scenes Tour of the Baltimore Aquarium

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

**9:30 a.m.-3:30 p.m. Exhibits Open  
Focused Scientific Groups Poster Session  
Silent Auction**

**9:30 a.m.-3:30 p.m. Veterinary Student Poster Session****12:15 p.m.-1:15 p.m. ACVP Gross and Microscopic Examination Slide Review****1:30 p.m.-5:00 p.m. ASVCP Case Review Session****1:30 p.m.-5:00 p.m. Diagnostic Pathology Focused Scientific Session II****1:30 p.m.-5:00 p.m. Experimental Disease Focused Scientific Session II**

- Immunohistochemistry in Phenotyping Genetically-engineered Mice
- Bovine Tuberculosis Vaccine Efficacy Studies: Neonatal Calves and White-tailed Deer

**1:30 p.m.-5:00 p.m. Industrial and Toxicologic Pathology Focused Scientific Session II**

- Challenges and Rewards of Toxicology Globalization
- Metabonomic Technology and Early Drug Discovery: Assessment of Toxicity, Biomarkers and Mechanisms of Toxicity

**5:15 p.m.-6:30 p.m. ACVP Awards and Recognition Event****7:00 p.m.-9:00 p.m. Presidential Reception**

*Supported by Pfizer, Inc.*

**Wednesday, November 3, 2010****8:00 a.m.-2:00 p.m. Registration****8:00 a.m.-12:00 noon Concurrent Session III: Emerging Diseases of Wildlife**

- What the Veterinary Pathologist Left Out: Lessons in Pathogen Discovery
- Lyme Disease and the Complex Interface Between Human Health and Wildlife Populations
- Terrestrial and Marine Wildlife as Reservoirs of Brucellosis
- Plague (*Yersinia Pestis*) in Domestic and Wild Cats

**8:00 a.m.-12:00 noon Concurrent Session IV: Hemoparasites**

- Dissecting the Mechanisms of Tick Transmission
- The Insidious Emergence of *Babesia (Theileria) equi* Infection in the US

- Bartonellosis: A Hidden Epidemic
- Panola Mountain Ehrlichia in the US and Its Relation to Heartwater

#### **8:00 a.m.-12:00 noon Mini-Symposium**

Prognostic Evaluation of Tumors in Domestic Animals

- Recommended Guidelines for the Conduct and Evaluation of Prognostic Studies in Veterinary Oncology
- Review of the Prognostic Evaluation of Canine Mammary Carcinomas
- Review of the Prognostic Evaluation of Canine Melanomas
- Review of the Prognostic Evaluation of Canine Cutaneous Mast Cell Tumors
- Review of the Prognostic Evaluation of Canine Malignant Lymphomas

#### **8:00 a.m.-12:00 noon ACVP Young Investigator Award Poster Session**

#### **1:00 p.m.-5:00 p.m. Post-meeting Workshop I (available at an additional fee)**

Pathology in Developmental and Reproductive Toxicology (DART) Studies

- Neuroendocrine Control of Reproduction in the Rat
- Identifying and Interpreting Changes in the Female Rodent Reproductive Tract
- Identifying and Interpreting Changes in the Male Rodent Reproductive Tract
- Developmental and Reproductive Pathology in Nonhuman Primates

#### **1:00 p.m.-5:00 p.m. Post-meeting Workshop II (available at an additional fee)**

Classification of Canine Malignant Lymphomas According to the World Health Organization Criteria

- A Systematic Approach to Histologic Examination of Lymph Nodes
- Overview of WHO Classification of Lymphoma Applied to Animal Lymphomas
- WHO Classification Workshop I: Lymphoma
- WHO Classification Workshop II: Lymphoma

## ***Veterinary Clinical Pathology Update***

In 2005, we began publishing a new feature entitled **Laboratory Medicine – Yesterday • Today • Tomorrow**. The feature was created to highlight the contributions of veterinary clinical pathology to the health sciences and biomedical research community by publishing notes of historical interest, current trends, progress on the horizon, or exquisite examples of pictures worth 1000 words. In the 5 years since this feature was initiated, there have been numerous examples of beautiful images. In addition, we have published some historical vignettes on warfarin, Robin Coombs and the test named after him, bovine reticulocytes and lymphocytes, abnormal mitoses in cytologic samples, and a pioneer among us in aquatic animal clinical pathology.

Please consider contributing to this feature by sending an email to [youngk@vetmed.wisc.edu](mailto:youngk@vetmed.wisc.edu). We are very interested in the historical pieces as they bring to light the richness of our discipline. Of course, we always welcome beautiful images.

Karen M. Young  
 Editor-in-Chief  
*Veterinary Clinical Pathology*

## ASVCP Committee Updates

### Veterinary Laboratory Professionals Committee

Below is a preview of the VLP Program that will be held during the annual meeting in Baltimore, Maryland.

#### Sunday, October 31, 2010 (3 PACE Credits)

12:30-1:00	Rick DeFrancisco	Welcome to Attendees and Announcements
1:00-2:00	Dr. Anne Barger University of Illinois	Immunocytochemistry - Getting Started (Program # 606-001-10, 1.0 Credit Hour)
2:00-3:00	Dr. Rose Raskin Purdue University	Immunocytochemistry: Technique and Interpretation of Hematopoietic Conditions (Program # 606-021-10, 1.0 Credit Hour)
3:00-3:30	Refreshment Break - Exhibits and Posters	
3:30-4:30	Dr. Andrea Battison Atlantic Veterinary College	Evaluating Hemolymph: Clinical Pathology in the American Lobster (Program # 606-003-10, 1.0 Credit Hour)
4:30-6:00	ASVCP Business Meeting	

#### Monday, November 1, 2010 (3.5 PACE Credits)

8:00-9:00	Dr. Tim Tristan Oso Creek Animal Hospital	Clinical Pathology: Exotic Animal Case Reports from the Field (Program # 606-004-10, 1.0 Credit Hour)
9:00-10:00	Dr. Harold Twedten	Myths about Platelets (Program # 606-005-10, 1.0 Credit Hour)
10:00-10:30	Refreshment Break - Exhibits and Posters	
10:30-12:00	Dr. Kathleen Freeman IDEXX Laboratories	VIN QC Material Study (Program # 606-006-10, 1.5 Credit Hours)
12:00-5:00	Free time to explore Baltimore	

#### Tuesday, November 2, 2010 (3 PACE Credits)

7:00-8:00	Planning Session for 2011 - VLP Committee Members Morning session will take place at the Baltimore Aquarium	
8:00-9:00	Dr. Brent Whitaker Baltimore Aquarium	Pathology of the Fish Eye (Program # 606-007-10, 1.0 Credit Hour)
9:00-10:00	Dr. Catherine Hadfield	Elasmobranch Medicine (Sharks, Skates, and Baltimore Aquarium Rays) (Program # 606-008-10, 1.0 Credit Hour)
10:00-11:00	Dr. Leigh Ann Clayton Baltimore Aquarium	Amphibian Clinical Medicine: Anuran Edema (Program # 606-009-10, 1.0 Credit Hour)
11:00-12:00	Behind the Scenes Tour of the Baltimore Aquarium	

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

### Quality Assurance and Standards Committee

The Quality Assurance and Laboratory Standards Committee will be asking for ASVCP member review of Reference Interval and Diagnostic Decision Creation and Maintenance Guidelines this fall. Please look for this on the listserve as well as the website so that your voice and opinion can be heard.

We would like to thank everyone who participated in the review of the main QALS guidelines as the review process significantly improved the quality of the guidelines which can be found at [www.asvcp.org](http://www.asvcp.org) under the publications button. The Web Editorial Board and The Rees Group, Inc. will be completing the html version of the guidelines to assist some of you with a more searchable and printable document. Also, please look for upcoming special reports summarizing these guidelines in *Veterinary Clinical Pathology* for your reference. Additionally, thanks to Julia Blanco for a Spanish translation which is almost completed and Anne Provencher-Bolliger for the French translation.

Kendall Harr

## Executive Board News

The Executive Board is finalizing plans for the annual meeting in Baltimore, Maryland that will be held October 30 to November 3, 2010. Looking at the Preliminary Program schedule for the combined ASVCP/ACVP meeting there will be many exciting and state of the art presentations to choose from.

This year's ASVCP Pre-Meeting Workshop was organized by the ASVCP Education Committee. The general topic is education and will focus on learning principles and different methods of teaching, which will be of interest to many of our members. So please consider registering for this program. Following the Pre-Meeting Workshop is our annual Education Forum, and the topic of this year's program will assessment and writing test questions.

Since our annual meeting is just around the corner, you may want to reserve your hotel room and finalize your travel arrangements soon!!! Looking forward to seeing you in Baltimore.

## Announcements

**Share The Future:** You can now donate to Share the Future on the ASVCP website under the *Members Only Section*. If you haven't done so already or are thinking about it, but just haven't gotten around to it yet because of your hectic schedule, now it is very easy (and tax deductible)!

**Attention mentors, residents, graduate students:** As already mentioned earlier, the ASVCP Share the Future call for Research Grant Applications and Travel Grant Applications are now available, but the deadline is rapidly approaching. Applications can be downloaded online from the ASVCP website. Mentors, please encourage your trainees to apply.

**Another Reminder:** Its time to start making your reservations for the upcoming annual meeting, October 30-November 3, 2010, in Baltimore, Maryland. Hope to see you there!!!

**Institutional slide sets:** Due to the high demand for slide sets, institutions that are interested in reserving a set for the upcoming year are asked to contact Marlyn Whitney, [whitneym@missouri.edu](mailto:whitneym@missouri.edu). A notice to all members will also be sent out through the listserve.

**Directories:** A hard copy of the ASVCP Directory will no longer be available. Instead, an electronic form can be downloaded at the Members Only section of the ASVCP website.

## General Information

**ASVCP NATIONAL OFFICE:** Members can contact the ASVCP National Office at 2424 American Lane, Madison, WI 53704; Phone: 608-443-2479; Fax: 608-443-2474 or 608-443-2478; E-mail: [info@asvcp.org](mailto:info@asvcp.org).

**Electronic Newsletters:** Members who have provided the Society with an e-mail address will receive an e-mail containing a link to the newsletter as soon as each issue is posted to the ASVCP website. The newsletters are posted in PDF format. If you have any problems accessing the newsletter electronically, please contact the ASVCP National Office ([info@asvcp.org](mailto:info@asvcp.org)) or Secretary, Karen Russell, [krussell@cvm.tamu.edu](mailto:krussell@cvm.tamu.edu). Members who do not have an e-mail access will receive paper copies.

**Change of Address:** Please send any changes in mailing address or electronic mail address to the ASVCP National Office at 2424 American Lane, Madison, WI 53704; E-mail: [info@asvcp.org](mailto:info@asvcp.org), Fax: 608-443-2474 or 608-443-2478. You can also update your information on the website, under the Members Only Section.

**ASVCP Newsletter and/or Website Submissions:** If you have material of interest to post in the newsletter or on the ASVCP website ([www.asvcp.org](http://www.asvcp.org)), please contact the ASVCP Secretary, Karen Russell, Dept. of Veterinary Pathobiology, Mail Stop 4467, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX 77843-4467; [krussell@cvm.tamu.edu](mailto:krussell@cvm.tamu.edu), or contact the ASVCP National Office at 2424 American Lane, Madison, WI 53704; E-mail: [info@asvcp.org](mailto:info@asvcp.org).

**ASVCP Membership Application:** Member application forms are available at the ASVCP website ([www.asvcp.org](http://www.asvcp.org)) or by contacting the ASVCP National office at 2424 American Lane, Madison, WI 53704; Phone 608-443-2479; E-mail: [info@asvcp.org](mailto:info@asvcp.org).

## Upcoming Meetings of Interest

### September

**The 20<sup>th</sup> Congress of the European College of Veterinary Internal Medicine - Companion Animal**, September 9-11, 2010, Toulouse, France. For more information, go to [www.ecvimcongress.org](http://www.ecvimcongress.org).

### October

**American Society for Clinical Pathology, ASCP Annual Meeting**, October 27-31, 2010, San Francisco, California. For more information, go to <http://www.ascp.org>.

**ASVCP/ACVP Annual Meeting**, October 30-November 3, 2010, Baltimore, Maryland

### November

**53<sup>rd</sup> Annual AAVLD/USAHA Meeting**, November 11-17, 2010, in Minneapolis, Minnesota. For more information, go to [www.aavld.org](http://www.aavld.org).

**American Society of Cytopathology, ACS Annual Meeting**, November 12-16, 2010, in Boston, Massachusetts. For information go to <http://www.cytopathology.org>.

## Job Opportunities

### **Veterinary clinical pathologist opportunity at Marshfield Labs**

We are seeking a veterinary clinical pathologist, diplomate ACVP, with excellent diagnostic skills. At Marshfield, high quality and exceptional customer service form the foundation of our laboratory service. You will see specimens from a wide variety of species and consult with veterinary clinicians from coast to coast. Furthermore, you will have access to state of the art instrumentation and technology and work with highly trained and motivated laboratory professionals.

Because Marshfield Labs is a division of Marshfield Clinic, the largest group medical practice in Wisconsin and Marshfield Clinic Research Foundation (which merged with Marshfield Clinic), the largest medical research foundation in Wisconsin, the laboratory benefits from the breadth of services and exceptional faculty of physicians and clinical PhDs on the professional staff. Stringent quality standards are maintained throughout all areas of both the human reference and veterinary laboratories.

This position is at our Marshfield campus in central Wisconsin. Marshfield, a community of 20,000, is in the heart of Wisconsin dairy country and boasts excellent primary and secondary educational facilities. The sizeable professional population creates an active cultural life and contributes to the excellence in the school system. The outskirts of town are a mere five-minute drive from the Clinic complex. This is a unique combination of a small town living with a challenging and rewarding professional position.

Our comprehensive compensation package includes a competitive salary, excellent health benefit program and well-funded retirement plan, liberal paid leave, meeting time, education allowance, 401(K) and more.

Apply online at [www.marshfieldclinic.jobs](http://www.marshfieldclinic.jobs), choose non-physicians and reference position # MC100205.

Marshfield Clinic  
1000 N. Oak Ave.  
Marshfield, WI 54449  
Fax: 715-387-5400

Marshfield Clinic is an Affirmative Action/Equal Opportunity employer that values diversity. Minorities, females, individuals with disabilities and veterans are encouraged to apply.



**Department of Tropical Medicine, Medical Microbiology and Pharmacology  
John A. Burns School of Medicine  
University of Hawaii at Manoa**

**Assistant/Associate Professor (Experimental Pathologist)**, I/M 3-4, position number 0083391, Department of Tropical Medicine, Medical Microbiology and Pharmacology, John A. Burns School of Medicine, (<http://jabsom.hawaii.edu/jabsom/departments/intro.php?departmentid=26>) tenure-track, 1.0 FTE, 11-month, to begin approximately October 2010, pending position clearance and availability of funds.

**Duties and Responsibilities:** The Asia-Pacific Institute of Tropical Medicine and Infectious Diseases (APITMID, <http://apitmid.hawaii.edu>) is seeking an Infectious Disease Experimental Pathologist to establish an independent, transdisciplinary research program of excellence on zoonotic and vector-borne diseases. The successful candidate will direct the pathology research core facility supported by the Research Centers in Minority Institutions (RCMI) (<http://rcmi.manoa.hawaii.edu/>) and Centers of Biomedical Research Excellence (COBRE) Programs (<http://www.hawaii.edu/pceidr/>), of the National Center for Research Resources, National Institutes of Health, and will serve as a resource to further develop zoonotic disease- and viral pathogenesis-related research. The successful applicant will also actively collaborate with other principal investigators engaged in various aspects of microbe-host interactions, and will contribute actively to the graduate training and medical education programs within the department and the medical school.

**Minimum qualifications:**

Assistant Professor:

- D.V.M., M.D., M.D./Ph.D., Ph.D. or other doctoral degree in the biosciences with at least three years of postdoctoral research experience with a strong research and publication record and potential of obtaining independent research funding;
- Experience in the use of animal models in studying immunopathogenesis of viral diseases, using conventional and molecular pathology tools;
- Demonstrated ability as a teacher, with good oral and written communication skills;
- If M.D., must be board certified (within 7 years) or an active candidate for board certification and eligible for Hawaii medical license.

Associate Professor:

- Same as Assistant Professor, with at least four years of experience as an Assistant Professor or equivalent experience. If M.D. candidates not applying from the Assistant Professor rank should have seven or more years of post-doctoral experience from a recognized medical school or major medical research/scholarship institution;
- Previous record of extramural funding from federal, state or private sources and an active record of publication;
- Proven ability in teaching and recognition for significant scholarly contributions;
- If M.D., must be board certified.

**Desirable qualifications:**

Experience and demonstrated research expertise in viral disease pathogenesis, specifically BSL-3 pathogens, animal models of BSL-3 pathogens, classical and molecular virology, cellular and molecular immunology, and virus-host interactions. Strong extramural funding record.

**Pay range:** Commensurate with qualifications and experience.

**Application:** Interested candidates should submit a cover letter indicating how they satisfy the minimum and desirable qualifications, current CV, statement of research interests, funding record, research plans, transcripts, copies of all applicable degrees, licenses and certificates, and names of five references with contact information (including e-mail address) to: Chair, Infectious Disease Pathologist Search Committee, Department of Tropical Medicine, Medical Microbiology and Pharmacology, John A. Burns School of Medicine, BioSciences Building 325AA, University of Hawaii, 651 Ilalo Street, Honolulu, HI 96813. Inquiries: Dr. Vivek R. Nerurkar ([nerurkar@hawaii.edu](mailto:nerurkar@hawaii.edu)) or Dr. Richard Yanagihara ([yanagiha@pbrc.hawaii.edu](mailto:yanagiha@pbrc.hawaii.edu)). Continuous recruitment. Application review begins August 30, 2010. To apply for this position visit our website <http://www.pers.hawaii.edu/wuh/nadvert.aspx?rn=10422&siate&so=desc>.

The University of Hawaii is an equal opportunity/affirmative action institution. All qualified applicants will be considered, regardless of race, sex, age, religion, color, national origin, ancestry, disability, marital status, sexual orientation, or status as disabled veteran or veteran of Vietnam era. Employment is contingent on satisfying employment eligibility verification requirements of the Immigration Reform and Control Act of 1986. Appointments to positions are subject to campus recruitment guidelines and the collective bargaining agreement.

**Veterinary Clinical Pathology Residency Training with Graduate Research Opportunities**

The Department of Microbiology, Immunology and Pathology, in the College of Veterinary Medicine and Biomedical Sciences at Colorado State University is offering a post-DVM graduate training position in clinical pathology. The core program includes residency training in veterinary clinical pathology and graduate research. The program is designed to culminate in specialty board certification and granting of MS or PhD degrees. Residency training is facilitated by a diverse faculty, 18 of whom are ACVP, ACVM or ACLAM board certified. Graduate research opportunities include, but are not limited to, cytology, hematology, immunology, molecular diagnostics, infectious diseases and clinical oncology. The first three years of residency and graduate training are supported by state funded stipends starting at approximately \$32,500/year. NIH sponsored training grants and successful applications for extramural funding support subsequent graduate research. Benefits include paid tuition and contributions to student health insurance. Applicants must have a DVM or equivalent degree from a

College of Veterinary Medicine/equivalent. Applications for positions starting July, 2011 will be accepted until the position is filled. However, evaluation of applications will begin by October 1, 2010.

Applications will be accepted and reviewed as they are received. For additional information and application procedures, visit: <http://www.cvmbs.colostate.edu/mip/Graduate/Default.aspx> . For further information about the combined program, please contact Dr. Christine Olver; tel. (970) 491-1340 or email: [Christine.olver@colostate.edu](mailto:Christine.olver@colostate.edu) or EJ Ehrhart; tel. (970) 297-4086 or email: [ej.ehrhart@colostate.edu](mailto:ej.ehrhart@colostate.edu). Questions regarding the application process should be directed to: Ms. Andrea Guillory; tel. (970) 491-7861 or by email: [gradpath@colostate.edu](mailto:gradpath@colostate.edu).

Applications should be sent to: Residency Coordinator, c/o Ms. Andrea Guillory, Colorado State University, Department of Microbiology, Immunology and Pathology, 1619 Campus Delivery, Fort Collins, CO. 80523-1619. Select application materials may be submitted electronically.

Colorado State University is an Affirmative Action and Equal Opportunity Institution.

### **Residency in Veterinary Clinical Pathology.**

The Department of Physiological Sciences, University of Florida has 2 positions available for a 3-year residency program beginning Jul 15, 2011. The residency is designed to provide thorough Clinical Pathology training for ACVP certification and provide basic research experiences. Those who are qualified and choose to pursue graduate studies concomitant with or subsequent to residency training can do so through the College of Veterinary Medicine graduate programs of Physiological Sciences or Infectious Diseases and Pathology. The supervised residency trainee is expected to provide diagnostic service in the Clinical Pathology laboratory of the Veterinary Medical Center through interpretation of hematological and biochemical data, as well as cytologic specimens.

Participation in veterinary student teaching and college seminars is expected. Applicants must possess DVM or equivalent degree. One year of postgraduate clinical experience is highly desirable. Each application must include curriculum vitae, official college transcript(s), letter stating career goals, and 3 letters of reference. Application deadline is Dec 1, 2010. Contact Dr. Rick Alleman, PO Box 100103, College of Veterinary Medicine, University of Florida, Gainesville, FL 32610-0103; phone 352-294-4078, FAX 352-392-2938, or email [AllemanR@vetmed.ufl.edu](mailto:AllemanR@vetmed.ufl.edu). A detailed description of the program is available at website

<http://www.vetmed.ufl.edu/college/departments/physio/residencyprogram.html>.

The University of Florida is AA/EOE.

**IDEXX Laboratories, Inc.**

IDEXX Laboratories, Inc. is a leader in companion animal health, serving practicing veterinarians around the world with innovative, technology-based offerings, including a broad range of diagnostic products and reference lab services and practice management systems. IDEXX products enhance the ability of veterinarians to provide advanced medical care and to build more economically successful practices. The IDEXX Reference Laboratory Division has 40 locations worldwide to include Australia, Canada, Europe, Japan, South Africa and the US. As a leader in comprehensive veterinary diagnostics, we employ over 80 veterinary pathologists and internal medicine specialists. IDEXX offers its customers comprehensive, innovative testing and exceptional customer service. Laboratory services include haematology, biochemistry, cytology, histopathology, microbiology, serology, immunology, endocrinology, and molecular biology.

We are currently seeking full-time Clinical Pathologists to be located in our UK laboratories. Duties would broadly include cytology reading and interpreting haematology, clinical chemistry and endocrinology results produced at the laboratory and discussing cases where data is supplied from IDEXX in-clinic instrumentation. There will also be opportunities to contribute to new continuing education programmes for veterinary surgeons and nurses as well as internal training and case discussions.

Suitable applicants will have postgraduate experience in veterinary clinical pathology or internal medicine and a veterinary degree eligible for registration with the RCVS is essential. Board certification by a recognized specialty college is highly desirable.

There is a strong, collaborative relationship between our pathology team, we encourage and value diversity. We have a commitment to excellence, continued training and professional development as part of the worldwide team of IDEXX pathologists. In addition to an enviable reputation for laboratory analytical quality, expertise and experience, we offer the opportunity for you to develop, extend and integrate your diagnostic skills across the sphere of laboratory medicine.

To apply, please send a covering letter and CV by post to Samantha Little, HR Manager, IDEXX Laboratories Ltd, Grange House, Sandbeck Way, Wetherby, West Yorkshire, LS22 7DN, UK or by e-mail to [UKHR@idexx.com](mailto:UKHR@idexx.com) or telephone +44 (0) 1937 544000 for further details.

**Job Opportunity at the San Diego Zoo**

**\*\*This Employer Participates in E-Verify\*\***

**\*\*The ZSSD is a non smoking work place\*\***

**Deadline to apply: Monday, September 6, 2010, by 9:30 p.m. Pacific Standard Time.**

**ALL APPLICANTS MUST APPLY TO THE FOLLOWING LINK:**

<https://www.hrapply.com/sandiegozoo/Setup.app>

(Non-union position) Salary is commensurate with experience

***"Put Your Passion for Wildlife to Work"***

**JOB REQUIREMENTS:**

Applicants must have certification (or eligible) as a Veterinary Technician, Medical Laboratory Technician or Medical Technologist. Will perform various analytical procedures on samples (blood, fluid, feces, etc) from birds, mammals and reptiles. Experience in hematology, clinical chemistry, parasitology, urinalysis and basic knowledge of species differences in blood cells and morphology preferred. Basic word processing, computer database skills, precise record keeping, good interpersonal communication skills needed. Knowledge of QA/QC required. Experience with testing samples from exotic animals is desirable. Interested applicants must be available any of the seven days of the week. Scheduled work hours will be approximately 40 hours per week. **Primary work location is at the San Diego Zoo.** Some hours will be required at the San Diego Zoo Safari Park in Escondido (approximately 1-8 days a month). Valid driver license required. Applicants must be at least 18 years of age to apply. To READ FULL JOB DESCRIPTION & APPLY PLEASE GO TO LINK ABOVE.

EOE

ALL EMPLOYMENT IS CONTINGENT UPON PASSING A DRUG SCREEN.

SOME EMPLOYMENT IS CONTINGENT UPON PASSING A PRE-PLACEMENT PHYSICAL.

## Orders for 2010 ASVCP Case Review Sets

The 2010 ASVCP Case Review Sets will be sold on the same priority basis as in previous years. Twenty (20) sets are reserved for **purchase** by the presenters of the 2010 cases (NOTE: slide sets are not provided gratis for the presenters). Additional "Institutional Sets" are reserved for purchase by schools or colleges of veterinary medicine that grant a DVM or equivalent degree (NOTE: Institutional Sets must be purchased by an ASVCP member at the institution). To be eligible for either a Presenter Set or an Institutional Set, the order form with payment must be **RECEIVED BY** the ASVCP Office **no later than September 1, 2010**. After September 1, all remaining slide sets will be sold to ASVCP members in sequential order starting with the earliest postmark or electronic order date on the applications. Payments for orders not filled will be refunded. The application form and payment should be sent to the Treasurer at the address on the order form below.

### 2010 ASVCP Case Review Set Order Form

Please enclose a check or money order (United States dollars only) payable to ASVCP for \$100 for each set to be mailed within North America, or \$125 for those mailed to other locations.

- Institutional Set** (One set per school or college)

Name of Institution \_\_\_\_\_

Name of ASVCP member at this Institution: \_\_\_\_\_

- Personal Set or Presenter Set** (if your submission is accepted). Availability of Personal Sets is based on earliest postmark or electronic order date.

Address to which the 2010 Case Set (to be distributed in October) should be sent:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

E-mail: \_\_\_\_\_

Date ordered: \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Signature: \_\_\_\_\_

You may fax your credit card order to: 608-443-2474.

You may place your order electronically at the ASVCP website ([www.ASVCP.org](http://www.ASVCP.org))

Mail a check payable to ASVCP with a copy of this order form to:

ASVCP National Office: ATTN: Case Review Sets  
2424 American Lane  
Madison, WI 53704