



NEWSLETTER

AMERICAN SOCIETY FOR VETERINARY CLINICAL PATHOLOGY

August 2007

Newsletter #3

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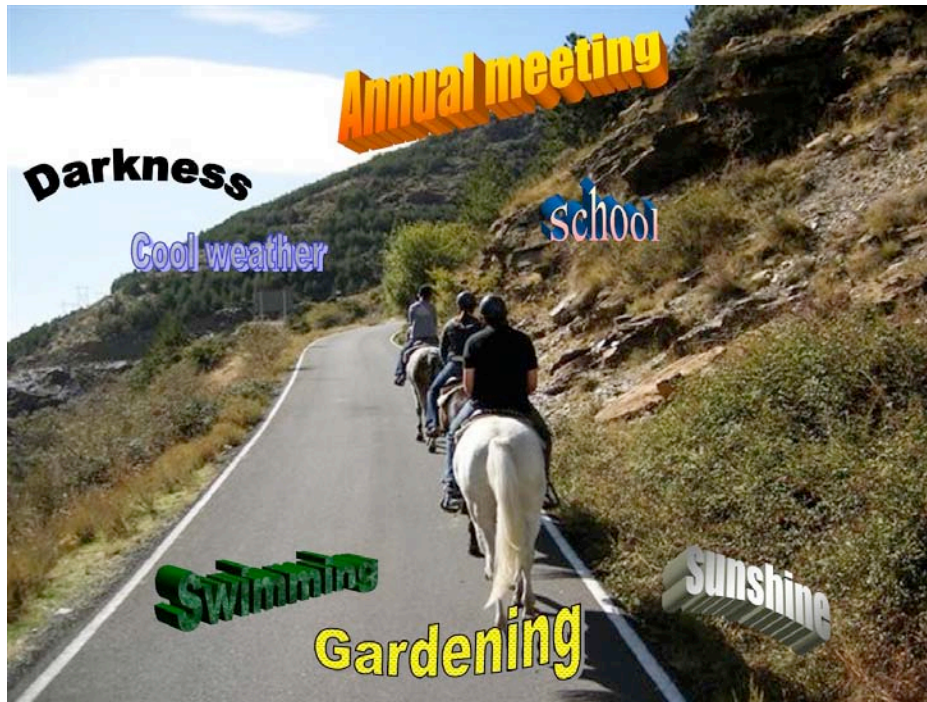
Important Dates

November 10-14, 2007	Annual ASVCP/ACVP Meeting, Savannah, Georgia
November 11, 2007	ASVCP Annual Business Meeting, Savannah, Georgia
November 15-19, 2008	Annual ASVCP/ACVP Meeting, San Antonio, Texas
November 16, 2008	ASVCP Annual Business Meeting, San Antonio, Texas

President's Message

Dear ASVCP Members,

Sadly, we are heading away from summer as we look forward to the start of the school year (for us in academia) and the end of long hours of daylight. I realize I am revealing my "seasonism" so upside of the end of the summer is that we have our national meeting in Savannah to look forward to!



This issue of the newsletter is packed with news about the meeting. Please see information about the program and an order form for the case review session slides. **Dr. Joanne Messick**, our first year Executive Board member, has done an outstanding job with the case review session this year. Not only did she institute online submissions, but she had a record number of presentations (52)! Also, we will have four chemistry cases for the inaugural Clinical Chemistry Case Review Session. Don't miss this meeting!

The summer has been productive for the ASVCP. The Veterinary Clinical Pathology journal has officially changed publishers. Please see the enclosed article from Mary Christopher describing the change. The Society is greatly indebted to the thoughtful work of Dr. Christopher and the journal publishing committee (**Mary Jo Burkhard, Mike Fry, Holly Jordan, Karen Young**). The Executive Board will be engaging in strategic planning in Savannah, partially replacing their usual business meeting. **Ms. Pat Sterner** of JFBAssociates will be the facilitator of this planning. We hope to create a set of financial, professional and growth goals with measurable outcomes. The subcommittee responsible for the joint ACVP, ASVCP and STP Supply and Demand Survey has been established and is beginning the process of creating the survey. **Drs. Joanne Messick and Dina Andrews-Cleavenger** are the ASVCP representatives.

As usual the committees are humming along doing their good work for the Society. The membership committee has sent out the ASVCP- and Heska-sponsored notebook-sized hematology posters to veterinary schools for student use. This was a laborious project and many thanks go to **Drs Andrea Bohn and Glade Weiser** for making it possible. I can express enough how important their work is, and how grateful

I am (and we should all be) for their efforts. Please consider committee membership as a way to contribute to the Society. And speaking of service, online voting for First Year Executive Board Member and Treasurer is open until August 31. Vote now if you haven't already!

Respectfully yours,
Christine, ASVCP President

ASVCP Election Election of Officers

Candidate for President Elect:



Dr. Melinda J. Wilkerson: ASVCP member since 2000, ACVP member since 1996 and Diplomate of ACVP, anatomical (1996) and clinical pathology (2003). She is the current second year ASVCP Executive Board member. She worked as a medical technologist (ASCP) from 1982 to 1986 in Springfield Missouri. Melinda graduated from the College of Veterinary Medicine at University of Missouri-Columbia in 1989 with DVM and MS degrees. Completed an anatomic pathology residency and PhD degree in veterinary science at Washington State University in 1994 and worked as a diagnostic pathologist for the Washington State Animal Disease Diagnostic Laboratory, 1994 – 1996. She has been employed at the College of Veterinary Medicine, Kansas State University (KSU), since 1996. Current position is Associate Professor in the Department of Diagnostic Medicine/Pathobiology. Director of the

Clinical Immunology/Flow Cytometry facility at KSU, course coordinator for Principles of Veterinary Immunology and Theory and Applications of Flow Cytometry. She is actively involved in the clinical pathology residency training program at KSU. Research and professional interests are immunopathology of host-agent interactions, characterization of hemic neoplasia, and flow cytometric assay development in veterinary medicine.



Candidates for First Year Executive Board Member:

Dr. Kirstin F. Barnhart: ASVCP member since 1999. Kirstin graduated from the College of Veterinary medicine at Texas A&M University in 1993. She worked as an associate veterinarian in a companion animal practice in Houston, TX for 5 years. In 2001, she completed a clinical pathology residency at Texas A&M University and became a Diplomate of the ACVP. In 2004, she completed a PhD in molecular pathology at Texas A&M University and joined the faculty at the University of Texas M. D. Anderson Cancer Center as an Assistant Professor of Comparative Medicine. She is a member of the graduate faculty for the University of

Texas Graduate School of Biomedical Sciences. Kirstin is the director of the Clinical Pathology Laboratory for the Keeling Center for Comparative Medicine and Research at M. D. Anderson Cancer Center. She has served on the ASVCP Program Committee since 2004 and is the coordinator of the 2007 ASVCP Pre-meeting workshop. Her research interests include large animal models of human cancer, the functional and phenotypic characterization of the chimpanzee immune system and inflammatory and neoplastic diseases of the intestinal tract in rhesus macaques. Additional professional interests include flow cytometry, primate clinical pathology and dermatopathology.



Dr. Ellen Evans: Joined ASVCP in 1993. Education: BA in Modern Languages College of William and Mary in Virginia 1976, DVM Virginia-Maryland Regional College of Veterinary Medicine (VA Tech) 1985, PhD and clinical pathology residency University of Georgia 1994, Diplomate ACVP 1995. Professional experience: Management Analyst for Federal Government, private small animal practice in Virginia, clinical instructor University of Wisconsin, clinical pathologist Schering-Plough Research Institute. Current position: Senior Director, Clinical Pathology, Immunotoxicology, and

Comparative Medicine SPRI. Current work in numerous pharmaceutical therapeutic areas, particularly immunology/allergy. Chair of Immunotoxicology Technical Committee of Health and Environmental Sciences Institute.

Candidates for Treasurer:



Dr Jan Andrews: ASVCP member since 1991. Education: DVM University of Missouri (1987), PhD Ohio State University (1996), Diplomate ACVP (1997). Professional experience: Small animal practice for 3 years. Residency training in clinical pathology at The Ohio State University, Research Assistant Professor at North Carolina State University for 4 years. Research interests included the modulation of EIAV gene expression following cellular stress. Chief medical director for Veterinary Laboratory Services for 2 years. Current Position: Clinical pathologist/director for Antech Diagnostics, North Carolina Laboratory. Adjunct assistant professor North Carolina State University. ACVCP

Program committee member-at-large for 2 years. Primary interests are diagnostic clinical pathology and laboratory management.



Dr. Dori L. Borjesson: ASVCP member since 1996. Education: BA in Biology, The Colorado College; DVM and MPVM, University of California at Davis, 1995; Ph.D., University of California at Davis, 2002. Diplomate, ACVP, 1999. Professional experience: Associate Veterinarian in a small animal practice from 1995-1996, Clinical Pathology Residency at University of California at Davis from 1996-1999. Assistant Professor of Clinical Pathology and Director of the Clinical Pathology Laboratory at the University of Minnesota, College of Veterinary Medicine from 2002-2006. Associate Professor of Clinical Pathology at University of California at Davis, 2006-present. Research interests include bacterial pathogen-host cell interactions, especially

Anaplasma phagocytophilum interaction with neutrophils and platelets, *A. phagocytophilum*-induced myelosuppression and murine model of Granulocytic Anaplasmosis; other tick-borne pathogens including *Borrelia burgdorferi*, cytology and hematology. Professional interests include resident training, mentoring DVM and graduate students in research, and zoo animal and wildlife cytology and hematology.

Meeting Schedule
42nd ASVCP / 58th ACVP Annual Meeting
November 10-14, 2007
Savannah, Georgia

Website: <http://www.acvp.org/meeting>

Saturday, November 10, 2007

- 8:00 a.m.-5:00 p.m.** **ASVCP Pre-Meeting Workshop**
Clinical Pathology of Laboratory Rodents
Session Chair: Kirstin F. Barnhart, DVM, PhD*
- 8:00 a.m.-9:20 a.m. Hematology and Bone Marrow Evaluation
Speakers: Anne Provencher Bolliger, DVM, MSc,* Nancy Everds, DVM*
- 9:40 a.m.-11:00 a.m. Hematology and Bone Marrow Evaluation (continued)
- 11:00 a.m.-12:00 noon Case Discussion Session
- 1:00 p.m.-1:50 p.m. Rodent Coagulation: Pitfalls, Problems and New Approaches
Speaker: Dina Andrews-Cleveanger, DVM, PhD*
- 1:50 p.m.-2:50 p.m. Rodent Cardiac Biomarkers: Review of Isoenzymes, Troponin and
Naturietic Peptides
Speaker: William J. Reagan, DVM, PhD*
- 3:10 p.m.-4:00 p.m. Evaluating Renal Toxicity in Laboratory Rodents
Speaker: Judith Prescott, DVM, PhD*
- 4:00 p.m.-5:00 p.m. Case Discussion Session
- 8:00 a.m.-5:00 p.m.** **C.L. Davis Pre-Meeting Workshop**
Pathology of the Liver: What's New and What's Still True
Speakers: John Cullen, VMD, PhD,* Thomas J. Van Winkle, VMD, PhD*
- 8:00 a.m.-5:00 p.m.** **ITPIG Pre-Meeting Workshop: Host Resistance and Tumor
Surveillance**
Session Chair: Wendy Green Halpern, DVM, PhD*
- 8:00 a.m.-8:10 a.m. Introduction and Overview of the Program
- 8:10 a.m.-9:05 a.m. Coley's Toxins, Tumor Necrosis Factor and Cancer Research:
An Historical Perspective
Speaker: Charles O. Starnes, PhD
- 9:05 a.m.-10:00 a.m. Revisiting Immunosurveillance and Immunostimulation: Implications for
Cancer Immunotherapy
Speaker: Christine V. Ichim, MSc

- 10:20 a.m.-11:15 a.m. Friendly and Dangerous Signals: Is the Tissue in Control?
Speaker: Polly Matzinger, PhD
- 11:15 a.m.-12:10 p.m. T Cell Activation/Depletion and Cytokine Storms: Lessons from TGN1412 for Anti-Lymphocyte Therapies
Speaker: Christopher Horvath, DVM, MS*
- 1:30 p.m.-2:15 p.m. Tumor Antigens for Cancer Immunotherapy: Therapeutic Potential of DNA Vaccines
Speaker: Jedd D. Wolchok, MD, PhD
- 2:15 p.m.-3:00 p.m. Clearing the Development Hurdles Along the Path to a Melanoma Vaccine
Speaker: Timothy Leard, DVM, PhD
- 3:20 p.m.-4:10 p.m. Case Studies of Immunomodulatory Biologics and Opportunistic Infections
Speaker: David Hutto, DVM, PhD*
- 4:10 p.m.-4:50 p.m. Additional Case Study Examples: Roundtable and Audience Discussion
- 4:50 p.m.-5:00 p.m. Conclusion
- 6:00 p.m.-8:00 p.m. ASVCP Teaching Clinical Pathology**
Didactic Teaching of Veterinary Clinical Pathology: Will They Remember Any of This in Year IV?
Session Chair: Sharon M. Dial, DVM, PhD*
- 7:00 p.m.-8:30 p.m. Opening Reception in the Exhibit Area

Sunday, November 11, 2007

- 8:00 a.m.-12:00 noon ASVCP Education Symposium: Molecular Diagnosis of Infectious Disease**
Session Chairs: Bruce E. LeRoy, DVM, PhD,* Janice Andrews, DVM, PhD*
- 8:00 a.m.-8:05 a.m. Introduction
Bruce E. LeRoy, DVM, PhD
- 8:05 a.m.-8:55 a.m. Molecular Diagnostics and Infectious Diseases: the Good, the Bad and the Ugly
Speaker: Edward B. Breitschwerdt, DVM, DACVIM
- 8:55 a.m.-9:45 a.m. Clinical Utility of Molecular Diagnostic Assays in Cats
Speaker: Michael R. Lappin, DVM, PhD, DACVIM (Internal Medicine)
- 10:15 a.m.-11:05 a.m. Quality Control in Molecular Diagnostic Testing
Speaker: David H. Persing, MD, PhD
- 11:05 a.m.-12:00 noon Molecular Diagnostics: Current and Future Trends
Speaker: David H. Persing, MD, PhD

- 8:00 a.m.-12:00 noon Natural Disease Specialty Group Session I**
Session Chair: Matti Kiupel, DVM, PhD*
- 9:00 a.m.-9:45 a.m. Classical Swine Fever in Europe: A Never-Ending Story
Speaker: Jens Peter Teifke, DrMedVetHabil*
- 11:15 a.m.-12:00 noon Why Do They Bleed: New Understanding on the Pathogenesis of Ebola Hemorrhagic Fever in Non-Human Primates
Speaker: Aileen M. Marty, MD, FACP
- 8:00 a.m.-12:00 noon Mini-Symposium: Cardiac Pathology in the 21st Century**
Session Chair: Brian R. Berridge, DVM, PhD*
- 8:00 a.m.-8:10 a.m. Introduction
Brian R. Berridge, DVM, PhD*
- 8:10 a.m.-9:00 a.m. Metabolic Dysregulation and the Failing Heart: Virchow's Fatty Atrophy Revisited
Speaker: Heinrich Taegtmeier, MD, DPhil
- 9:00 a.m.-9:50 a.m. Morphofunctional Correlates of Clinical Cardiac Disease
Speaker: Philip R. Fox, DVM, MSc, DACVIM/ECVIM (Cardiology), ACVECC
- 10:20 a.m.-11:10 a.m. Clinical Biomarkers of Cardiac Injury and Disease
Speaker: Philip Solter, DVM, PhD, DACVIM*
- 11:10 a.m.-12:00 noon Spontaneous Animal Models of Cardiac Disease
Speaker: Philip R. Fox, DVM, MSc, DACVIM/ECVIM (Cardiology), ACVECC
- 8:00 a.m.-12:00 noon Career Development**
Dancing with Journals: The Art of Scientific Publishing
Session Chairs: Kelly L. Boyd, DVM, PhD,* Bruce H. Williams, DVM*
- 8:00 a.m.-8:20 a.m. Hit the Right Fan: Selecting a Journal for Your Science Fiction
Speaker: Brad Bolon, DVM, PhD, DABT*
- 8:20 a.m.-9:15 a.m. What Ms. Thistlebottom Didn't Tell Us: Some Valuable Basics and Helpful Details for Writing Journal Manuscripts
Speaker: Robert L. Iles, MA, BA
- 9:15 a.m.-9:45 a.m. Veterinary Pathology Author Survival Guide
Speaker: Eva A. Sartin, DVM, PhD*
- 10:15 a.m.-10:50 a.m. Editing and the Mother Tongue, Broken English
Speaker: Carl L. Alden, DVM*
- 10:50 a.m.-11:25 a.m. Making Rejection a GOOD Thing
Speaker: Brian Wilcock, DVM, PhD
- 11:25 a.m.-12:00 noon Size Matters: Preparing Your Digital Images for Publication
Speaker: Bruce H. Williams, DVM*

- 12:15 p.m.-1:15 p.m. Emerging Disease Focus Seminar**
Recent Pet Food Contamination: Epidemiology and Pathogenesis
- 1:00 p.m.-4:30 p.m. ASVCP Veterinary Laboratory Professionals Session I**
- 1:30 p.m.-5:00 p.m. ASVCP Clinical Pathology Scientific Session I**
Session Chair: Holly L. Jordan, DVM, PhD*
- The Influence of Canine Obesity on Endocrine and Clinical Pathology Parameters
Speaker: Marianne Diez, DVM, PhD
- 1:30 p.m.-5:00 p.m. Experimental Disease Specialty Group Session I**
Session Chair: Mark R. Ackermann, DVM, PhD*
- 2:15 p.m.-3:30 p.m. Canine TVT: Evolution of Somatic Tumour Cell as Transmissible Parasites
Speaker: Claudio Murgia, DVM, PhD, MRCVS
- 4:15 p.m.-5:00 p.m. Tasmanian Devil Tumor: Characteristics and Molecular Characterization
Speaker: Stephen B. Pyecroft, BVSc(Hons), MACVSc
- 1:30 p.m.-5:00 p.m. Natural Disease Specialty Group Session II
Session Chair: Matti Kiupel, DVM, PhD*
- 1:30 p.m.-2:15 p.m. Adrenocortical Tumorigenesis
Speaker: David B. Wilson, MD, PhD*
- 3:30 p.m.-4:15 p.m. Progression of Canine Cancer: Who is the Culprit?
Speaker: Vilma Yuzbasiyan-Gurkan, PhD
- 1:30 p.m.-5:00 p.m. Toxicologic Pathology Specialty Group Session I
Session Chair: Anne Provencher Bolliger, DVM*
- 2:00 p.m.-3:00 p.m. Phenotyping Strategies for Genetically Induced Obesity Models
Speaker: Cory Brayton, DVM*
- 3:30 p.m.-4:30 p.m. Safety Concerns of Anti-Obesity Drugs and Current Therapeutic Targets
Speaker: Chandni S. Elangbam, BVSc, MVSc, PhD, DABT*
- 4:30 p.m.-6:00 p.m. ASVCP Business Meeting**
- 5:00 p.m.-6:00 p.m. ACVP Gross and Microscopic Examination Slide Review
- 6:00 p.m.-7:30 p.m. ACVP Town Meeting**
- 7:30 p.m.-10:00 p.m. Neuropathology Mystery Slide Review and Case Presentations
Session Chair: Donna Bouley, DVM, PhD*
- 8:00 p.m.-10:00 p.m. ACVP Resident Training Committee Meeting

Monday, November 12, 2007

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

- 8:00 a.m.-12:00 noon Plenary Session: Pathology of Obesity**
Session Chairs: M. Judith Radin, DVM, PhD, *Leslie C. Sharkey, DVM, PhD*
- 8:00 a.m.-8:10 a.m. Introduction
M. Judith Radin, DVM, PhD*, Leslie C. Sharkey, DVM, PhD*
- 8:10 a.m.-9:00 a.m. Overview of the Pathophysiology of Obesity
Speaker: Leslie C. Sharkey, DVM, PhD*
- 9:00 a.m.-9:50 a.m. Inflammation and Obesity
Speaker: Philip A. Kern, MD
- 10:20 a.m.-11:10 a.m. The Effect of Obesity on Breast Cancer Development
Speaker: Margot P. Cleary, PhD
- 11:10 a.m.-12:00 noon Obesity, Adipokines and Blood Pressure
Speaker: M. Judith Radin, DVM, PhD*
- 12:15 p.m.-1:15 p.m. ACVP Clinical Pathology Examination Slide Review**
- 1:30 p.m. Free Afternoon to Explore Savannah!**
- 5:15 p.m.-6:45 p.m. ASVCP Reception**
- 7:00 p.m.-9:00 p.m. Mystery Slide Seminar and Case Presentations: Gastrointestinal System Pathology
Session Chair: Mac Law, DVM, PhD*
- 7:00 p.m.-9:00 p.m. ASVCP Clinical Chemistry Case Discussion Session**
Session Chair: Joanne Messick, VMD, PhD*

Tuesday, November 13, 2007

- 8:00 a.m.-12:00 noon ASVCP Veterinary Laboratory Professionals Session III**
- 8:00 a.m.-12:00 noon ASVCP Clinical Pathology Scientific Session II**
Session Chair: Holly L. Jordan, DVM, PhD*
- The Investigative Evolution of the Melamine-cyanuric Acid Pet Food Recall
Speaker: Kristiina Ruotsalo, DVM, DVSc
- 8:00 a.m.-12:00 noon Concurrent Session I: Heat Shock Proteins in Immunity and Disease**
Session Chair: Michael Oglesbee, DVM, PhD*
- 8:00 a.m.-8:10 a.m. Introduction: Heat Shock Proteins: More than Just Chaperones
Speaker: Michael Oglesbee, DVM, PhD*
- 8:10 a.m.-9:00 a.m. Heat Shock Proteins Determine the Outcome of Viral Infections
Speaker: Michael Oglesbee, DVM, PhD*

- 9:00 a.m.-9:50 a.m. Heat Shock Proteins are Targets of Regulatory T Cells that are Disease Suppressive in Chronic Inflammatory Diseases
Speaker: Willem van Eden, MD, PhD
- 10:20 a.m.-11:10 a.m. Gp96 Interactions with the Immune System: A Mechanism of Anti-Tumor Immunity?
Speaker: Christopher Nicchitta, PhD
- 11:10 a.m.-12:00 noon Heat Shock Protein 90 Suppression as an Anti-Cancer Strategy: Pros and Cons
Speaker: Kathleen Gabrielson, DVM, PhD*
- 8:00 a.m.-12:00 noon Concurrent Session II: Current Concepts in Gastrointestinal Diseases of Animals**
Session Chairs: John Ellis, DVM, PhD, DACVM,* Steven Krakowka, DVM, PhD*
- 8:00 a.m.-8:10 a.m. Introduction
John Ellis, DVM, PhD*
- 8:10 a.m.-9:00 a.m. Comparative Aspects of Bacterial Gastritis
Speaker: Steven Krakowka, DVM, PhD*
- 9:00 a.m.-9:50 a.m. Pathogenesis of Bacterial Enteritis
Speaker: J. Glenn Songer, PhD, MA, Fellow, American Academy of Microbiology
- 10:20 a.m.-11:10 a.m. Portal of Entry and Haven of Refuge: Mucosal Responses to Infection in the Small Intestine
Speaker: Philip Griebel, DVM, PhD
- 11:10 a.m.-12:00 noon Polymicrobial Associations in Animal Models of Colitis; Understanding Host-pathogen Interactions in the Context of Gut Ecology
Speaker: Gerald E. Duhamel, DVM, PhD*
- 12:00 noon-1:30 p.m. Focused Poster Session**
- 1:30 p.m.-5:00 p.m. ASVCP Case Review Session**
Session Chairs: Joanne B. Messick, VMD, PhD, * Kendal E. Harr, DVM*
- 1:30 p.m.-5:00 p.m. Diagnostic Pathology Specialty Group Session**
Session Chair: Yvonne Schulman, DVM*
- 1:30 p.m.-5:00 p.m. Education Specialty Group Session**
Session Chair: Frederic Spiers Almy, III, DVM*
- 1:30 p.m.-2:30 p.m. Evaluation of Resident Competency in Clinical Pathology**
Speaker: Brian R. Smith, MD
- 1:30 p.m.-5:00 p.m. Experimental Disease Specialty Group Session II**
Session Chair: Mark R. Ackermann, DVM, PhD*
- 1:30 p.m.-2:30 p.m. Into the Melting Pot: The Melding of Pathology Pharmacology, and Medical Implant Devices for Occlusive Arterial Disease
Speaker: Laura E. Perkins, DVM, PhD*

- 4:00 p.m.-5:00 p.m. Atherosclerosis: The Heart of the Matter
Speaker: Thomas B. Clarkson, DVM
- 1:30 p.m.-5:00 p.m. Toxicologic Pathology Specialty Group Session II**
Session Chair: Anne Provencher Bolliger, DVM*
- 2:00 p.m.-3:00 p.m. The Metabolic Sequelae of Obesity**
Speaker: Margarethe Hoenig, DrMedVet, PhD
- 3:30 p.m.-4:30 p.m. Modification of Lipid Metabolic Responses in Small Animals
Speaker: John E. Bauer, DVM, PhD, DACVN
- 5:15 p.m.-6:30 p.m. ACVP Business Meeting**

Wednesday, November 14, 2007

- 8:00 a.m.-12:00 noon Young Investigator Award (Recipients) Poster Presentations**
- 8:00 a.m.-12:00 noon Concurrent Session III: Inflammation and Cancer**
Session Chair: Kathryn Eaton, DVM, PhD*
- 8:00 a.m.-8:50 a.m. The Role of Inflammation in Lung Neoplasia
Speaker: Alison K. Bauer, PhD
- 8:50 a.m.-9:40 a.m. Colitis, Stem Cells, and Colon Cancer
Speaker: Emina H. Huang, MD
- 10:10 a.m.-11:10 a.m. Bone Marrow Derived Stem Cells in Helicobacter Infection
Speaker; JeanMarie Houghton, MD, PhD
- 11:10 a.m.-12:00 noon Rodent Models of Gastric Cancer Due to Helicobacter Pylori
Speaker: Kathryn Eaton, DVM, PhD*
- 8:00 a.m.-12:00 noon Concurrent Session IV: Neurodegenerative Disorders in Animals**
Session Chair: Caroline J. Zeiss, BVSc, PhD*
- 8:00 a.m.-8:45 a.m. Ischemia/Stroke Impairs Endoplasmic Reticulum Function
Speaker: Wulf Paschen, PhD
- 8:45 a.m.-9:30 a.m. Neuronal Injury and Dysfunction in the SIV-macaque Model
Speaker: Susan V. Westmoreland, VMD, PhD*
- 10:00 a.m.-10:45 a.m. Oxidative Damage in Neurodegenerative Disease
Speaker: George Perry, PhD
- 10:45 a.m.-11:30 a.m. Animal Models of Retinal Disease
Speaker: Caroline Zeiss, BVSc, PhD*
- 11.30 a.m.-12:00 noon Questions and Discussion
- 8:00 a.m.-12:00 noon Mini-Symposium: Tissue Banking – Best Practices**
Session Chairs: Laura J. Rush, DVM, PhD*, Maxey L. Wellman, DVM, PhD*

- 8:00 a.m.-8:10 a.m. Introduction
Laura J. Rush, DVM, PhD*
- 8:10 a.m.-9:00 a.m. Best Practices in Establishing an Animal Tissue Resource (Tissue Bank) with Emphasis on Quality Control
Speaker: William E. Grizzle, MD, PhD
- 9:00 a.m.-9:45 a.m. Development of a National Canine Cancer Biospecimen Repository
Speaker: Chand Khanna, PhD, DVM*
- 10:15 a.m.-11:00 a.m. From the Lobby to the Freezer: Integrating Tissue Archiving into Clinical Practice
Speaker: Susan E. Lana, DVM, MS, DACVIM (Oncology)*
- 11:00 a.m.-11:45 a.m. Human Tissue for Biomarker Pharmaceutical Research: The Experience of the Indiana University Medical Center – Lilly Research Labs Tissue/Fluid Biobank
Speaker: George Sandusky, DVM, PhD*
- 11:45 a.m.-12:00 noon Questions and Discussion
- 1:00 p.m.-5:00 p.m. Post-Meeting Workshop I
Role of In Vivo Imaging in Veterinary Pathology**
Session Chair: Kathleen Gabrielson, DVM, PhD*
- 1:00 p.m.-1:10 p.m. Introduction
Kathleen Gabrielson, DVM, PhD*
- 1:10 p.m.-1:55 p.m. Magnetic Resonance, Imaging and Micro CT
Speaker: Robert Maronpot, DVM*
- 1:55 p.m.-2:40 p.m. Translational Molecular Imaging: Focus on Radiopharmaceuticals
Speaker: Martin Pomper, MD, PhD
- 3:00 p.m.-3:40 p.m. Optical Imaging
Speaker: Pamela Reilly Contag, PhD
- 3:40 p.m.-4:20 p.m. Ultrasound Imaging
Speaker: Kathleen Gabrielson, DVM, PhD*
- 4:20 p.m.-5:00 p.m. Imaging and Profiling Tissues: Applications in Pathology
Speaker: Michelle L. Reyzer, PhD
- 1:00 p.m.-4:30 p.m. Post-Meeting Workshop II
An Interactive Approach to Dermatopathology**
Speakers: Maja Suter, DrMedVet, DECVP*, Monika Welle, DrMedVet, DECVP
- 1:00 p.m.-2:30 p.m. The Hair Follicle
Speaker: Monika Welle, DrMedVet, DECVP
- 3:00 p.m.-4:30 p.m. Case Discussions
Speakers: Monika Welle, DrMedVet, DECVP, Maja Suter, DrMedVet, DECVP*

Thursday, November 15, 2007

- 8:30 a.m.-12:00 noon** **Post-Meeting Workshop II**
An Interactive Approach to Dermatopathology
- 8:30 a.m.-10:00 a.m. The Epidermis
Speaker: Maja Suter, DrMedVet, DECVP*
- 10:30 a.m.-12:00 noon Case Discussions
Speakers: Monika Welle, DrMedVet, DECVP, Maja Suter, DrMedVet,
DECVP*
- *Diplomate, ACVP

2007 ASVCP “Teaching Clinical Pathology” Session Preview

Didactic Teaching of Veterinary Clinical Pathology - Will They Remember Any of This During Year IV?

The annual “Teaching Clinical Pathology” discussion forum will be held on Saturday, November 11, 6:00-8:00 pm. This year’s topic is important to all those who are involved in teaching clinical pathology to veterinary students. See below for more details.

Please come prepared to participate in this important discussion session, which promises to generate useful ideas regarding challenges in teaching clinical pathology!

--Discussion topic information provided by Sharon Dial

Successful ASVCP Sessions Held at the 2007 ACVIM Forum

At the 25th Annual Forum of the American College of Veterinary Internal Medicine in Seattle, Washington this past June, the ASVCP highlighted a slate of five speakers presenting eight hours of diverse updates in the field of veterinary clinical pathology. Dr. Dorothee Bienzle discussed advances in the analysis of cerebrospinal fluid. Some industry perspective on the utility of new biomarkers of liver and cardiac injury was provided by Dr.’s Daniela Ennulat and Holly Jordan. Dr. Mary Boudreaux presented updates on platelet function testing and inherited platelet disorders. Dr. Doug Weiss described some of his latest work on non-neoplastic canine and feline bone marrow disorders. The sessions, held in the Washington State Convention Center in downtown Seattle, were very well attended and well received.

Journal Update

New Journal Publishing Partnership with Wiley-Blackwell

We are pleased to announce a new partnership between the ASVCP and Wiley-Blackwell to publish *Veterinary Clinical Pathology* beginning in 2008. This partnership will better help us meet the expanding needs of our growing journal and enable us to achieve our major goals of increasing revenue and visibility through marketing, advertising, improved library penetration and expanded online publishing; implementing an online manuscript tracking system; optimizing management and production; and digitizing back issues. We look forward to working with our professional publishing partners at Wiley-Blackwell and are enthusiastic about the many opportunities and benefits this partnership will bring to the journal and the Society. We also would like to thank members of the publications working group (Mary Jo Burkhard, Mike Fry, Holly Jordan, Karen Young) who spent considerable time and effort evaluating many different publishing proposals and providing valuable guidance and recommendations to the Executive Board. Many thanks also to the Executive Board and to Susan Rees for their help and insight in bringing this partnership to fruition. More information will be forthcoming in future newsletters and at the annual meeting, so stay tuned for more details!

Christine Olver, President
Mary Christopher, Editor-in-Chief

Treasurer's Report

Here is a summary from our Treasurer regarding our Income, expenses, and total assets. More details will be available at the ASVCP Business meeting. We currently have 574 members of ASVCP. We have had 30 members join so far this year. Welcome to all!!!!

ASVCP FINANCIALS

10/01/06-6/30/07

INCOME		EXPENSES	
Membership	\$17,713	General operating	\$4,048
Share the future	\$5,945	Journal	\$46,208
Slide set	\$6,025	Management/comm.	\$26,861
Interest	\$3,962		
Patrons/contributions	\$15,000	2006 MEETING	
Journal	\$72,340	Sponsorship	\$6,000
		Workshop	\$20,125
		Expenses	\$16,392
TOTAL ASSETS			
	\$258,712		

ASVCP Committee Updates

2007 ASVCP Pre-meeting Workshop

The ASVCP Pre-meeting Workshop, "Clinical Pathology of Laboratory Rodents" will be held on Saturday, November 10, 2007. Dr. Kirstin Barnhart will chair the workshop and speakers include Drs. Anne Provencher Bolliger, Nancy Everds, Dina Andrews-Cleveanger, William J. Reagan, and Judith Prescott. Topics to be covered include Hematology and Bone Marrow Evaluation, Coagulation, Cardiac Biomarkers, and Evaluating Renal Toxicity. In addition, there will be Case Discussion Sessions so attendants can see this valuable information in use. Please consider signing up for this interesting and very useful workshop!!!

Development Committee

Our committee had a conference call on July 18. Fundraising income is greater than at the same time last year for both corporate and Share the Future giving. We have already received more than \$4000 in STF donations this year! Many thanks to everyone who has contributed in 2007 -- we are excited about awarding our first competitive travel grants to trainees who are presenting at the meeting in Savannah, and beginning funding additional STF objectives in 2008. Reminder to trainees: the application deadline is August 15th (applications are available on the ASVCP website via the Annual Meeting link). Our committee is working with Rees Group to develop some new ways of recognizing individual and corporate donors. We are also working together to develop a Share the Future brochure. We anticipate a modest increase in our proposed budget for the coming fiscal year, to support these efforts. We are planning to have our committee meeting in Savannah on Monday at 7 a.m. (breakfast). In the meantime, we plan to have another conference call in October.

Submitted by - Michael M. Fry

Program Committee

From the Program Committee, just to whet your appetite:

Highlights of the 2007 Savannah Annual Meeting—

- NEW THIS YEAR: Clinical Chemistry Review Session
- Pre-meeting workshop on Clinical Pathology of Laboratory Rodents
- Educational Symposium on Molecular Diagnosis of Infectious Disease
- Specialty group sessions featuring updates on pet food toxicity and clinical pathology and endocrinology of canine obesity
- Veterinary Laboratory Professionals sessions on clinical chemistry instrumentation and calcium and magnesium disorders

Make your reservations now to ensure you don't miss out on what is sure to be an informative, exciting meeting!!

Submitted by - Bruce LeRoy

Education Committee

Last year, Drs. Denise Bounous and Nancy Evards presented an excellent program "Training Clinical Pathologists for Industry". With their combined experience in industry and academia, they provided excellent insight into the skills required for success in industry and the unique contributions clinical pathologists make in the industry setting. The discussion following the presentation brought to light the presence of already established program links between specific residency programs and companies as well as the need for continued collaboration between the programs that produce our future clinical pathologist and the companies that see the need for clinical pathologists in their research programs. The education committee wishes to thank Denise and Nancy for stepping up and giving their time in preparation and presentation of the program.

This year, the "Teaching Clinical Pathology" forum will revisit a topic that is always relevant in the evolution of clinical pathology instruction to veterinary students. Last summer, many of you participated in a ASVCP list serve discussion concerning didactic teaching of clinical pathology in your respective institutions. The ASVCP Education Committee decided to expand that discussion into a formal survey that many of you have recently received or will receive in the very near future. Dr. Casey LeBlanc will present "Didactic teaching of veterinary clinical pathology - will they remember any of this during Year IV?" in which results of this survey will be evaluated. Our hope is to be able to make concrete recommendations that will enhance our ability to train Year II students in a more memorable way. Thank you in advance to all of you that take the time to answer the survey and making this year's presentation a success.

Submitted by - S. Dial

Electronic Communication and Technology Committee

The goal of this committee is to find new and creative ways to use electronic technology the help the ASVCP. We are currently in need of new members. Please contact Committee chair Jenny Thomas (Thomas@dcpah.cvm.msu.edu) if you would like to join or would like more information.

Submitted by: J. Thomas

Executive Board News

Wow, where has the year gone! Our annual meeting is just around the corner, and we hope that you are planning on attending. Just a few highlights to note include the ASVCP Pre-Meeting Workshop, "Clinical Pathology of Rodents," and our popular Teaching Clinical Pathology Session, "Didactic Teaching of Veterinary Clinical Pathology - Will They Remember Any of This During Year IV?" Browse the schedule to see other stimulating topics that will be covered at the meeting.

In addition to the Executive Board and Annual Business Meeting sessions held at the Annual Meeting of the ASVCP, the members of the ASVCP Executive Board correspond regularly during the year via electronic mail and telephone conferences to accomplish the Society's business. In preparation for the upcoming meeting, the EB will be having another teleconference in the next few weeks to further discuss our Strategic Plan and prepare to begin working on it during our time in Savannah. Below is a brief description about the Strategic Planning Process and biosketch for Patricia Sterner, who will be overseeing us through the process.

Other things to note are that the ASVCP Election for President, 1st year Executive Board Member, and Treasurer will close August 31, so if you haven't voted yet, you still have time. As you can see our Journal, *Veterinary Clinical Pathology*, will now be published by Wiley-Blackwell. More detail is available from the update by Dr. Mary Christopher. Lastly, as you can see from our committee updates in this issue as well as past issues, our committees have been very active and are always looking for people to join. If you have an interest in serving on one of our 7 committees, please do so. It is a great way to become more involved in our Society.

2007 Strategic Planning Process

Contributed by: [PATRICIA ANNE STERNER, President/CEO, JFB & Associates, LLC](#)

Strategic planning provides the opportunity for the leadership of an organization to take a 'time out' from the daily routine and engage with each other to envision a future that is both ambitious and realistic. For me, the most important result from a strategic planning session is the development of a PLAN that requires ACTION by the organization. Without that action, strategic planning becomes just an exercise and not a tool for future growth and success. My focus with clients is to help them stretch their vision while maintaining a realistic expectation of the actions it will take to realize their future.

Patricia Anne Sterner, President/CEO of JFB & Associates, LLC, has 28 years of experience in the field of fundraising, program development, strategic planning, and organizational development. JFB & Associates, LLC works primarily with foundations, non-profits, and associations in the areas of organizational and board development. Internal assessments, strategic planning, business plan development, and governance are the primary work products. Clients include the Denver Public Schools Foundation,

The Aspen Institute, the Society for Research on Nicotine and Tobacco, the Colorado Credit Union Association, Mile High United Way, and the National Park Trust.

Sterner has an undergraduate degree from the University of Virginia in Charlottesville, Virginia and a masters degree from the George Washington University in Washington, DC.

Announcements

ASVCP NATIONAL OFFICE: Members can contact the ASVCP National Office at 2810 Crossroads Drive, Suite 3800, Madison, WI 53718; Phone 608-443-2479; Fax 608-443-2474 or 608-443-2478; E-mail: info@asvcp.org.

Electronic Newsletters: Paper copies of the newsletters are no longer mailed to all ASVCP members. Those 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) or Secretary Karen Russell (krussell@cvm.tamu.edu). Those members without e-mail access will continue to receive paper copies of the newsletter.

Change of Address: Please send any changes in mailing address or electronic mail address to the ASVCP National Office at 2810 Crossroads Drive, Suite 3800, Madison, WI 53718; Email: info@asvcp.org; FAX 608-443-2474 or 608-443-2478.

ASVCP Newsletter and/ or Website Submissions: If you have any material of interest to post in the newsletter or on the ASVCP website (www.asvcp.org), please contact the ASVCP Secretary, Karen Russell, at Department of Veterinary Pathobiology, Mail Stop 4467, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX 7784304467; Email: krussell@cvm.tamu.edu, or contact the ASVCP National Office at 2810 Crossroads Drive, Suite 3800, Madison, WI 53718; Email: info@asvcp.org.

ASVCP Membership Application: Member application forms are available at the ASVCP website (www.asvcp.org), by contacting ASVCP Secretary Karen Russell at krussell@cvm.tamu.edu, or by contacting the ASVCP National office at 2810 Crossroads Drive, Suite 3800, Madison, WI 53718; phone 608-443-2479; Email: info@asvcp.org.

Proteomics Interest Group: Several members of the ASVCP and the ESVCP are taking the first steps towards forming a proteomics interest group. We would like to investigate proteomics as a diagnostic and research tool in veterinary medicine, and to share ideas, technologies, resources and expertise. You can subscribe to the proteomics list serve by writing to John Hoffman at jhofman@reesgroupinc.com.

2007 ASVCP Membership Directory mailed: Hard copies of the 2007 Membership Directory have recently been mailed to all members. If you have not received your copy (members outside North America can expect the longer times until receipt), please contact the National Office (see contact information above), or the Secretary (krussell@cvm.tamu.edu).

Upcoming Meetings

The 9th European Society of Veterinary Clinical Pathology (ESVCP) and 17th European College of Veterinary Internal Medicine - Companion Animals (ECVIM-CA) Congress: September 12 -15, 2007, Budapest Hungary. For more information, go to Esvcpcongress.org and ecvimcongress.org.

The XIII Congress of the International Society for Animal Clinical Pathology (ISACP) held in conjunction with the **European Society for Veterinary Clinical Pathology (ESVCP):** September 30 to October 3, 2008, Barcelona, Spain. For more information, visit www.isacp.org.

Job Opportunities

Residency in Veterinary Clinical Pathology

The Department of Diagnostic Medicine/Pathobiology is accepting applications for a residency in veterinary clinical pathology with a starting date near August 15, 2008. The program consists of a 3-year experience that provides in-depth clinical pathology training through informal training sessions, diagnostic service responsibilities, teaching of clinical pathology to veterinary medical students, participation in seminars, presentations at national meetings, and writing manuscripts for publication. The program is designed to meet the training requirements to sit for the certification examination of The American College of Veterinary Pathologists (<http://www.acvp.org/exam/train.php>). The successful applicant will work and study with board-certified clinical and anatomic pathologists who provide direct instruction and guidance. Besides a stipend with increases in the second and third years; residents are eligible for faculty/staff benefits. Candidates must have a DVM or equivalent degree; candidates with at least one year of post-DVM clinical experience and who are graduates of AVMA-accredited veterinary colleges are preferred. Applications should include curriculum vitae, statement of professional goals, veterinary school transcript & class ranking, and a list of three references (name, address, phone number, e_mail address). Send applications to Dr. S.L. Stockham, Department of Diagnostic Medicine/Pathobiology, College of Veterinary Medicine, Manhattan, KS 66506; e-mail: stockham@vet.k-state.edu, fax: 785-532-4039. Additional information about the program is available in the Department's website (<http://www.vet.ksu.edu/depts/dmp/teach/residency.htm>). The deadline for receipt of application is October 15, 2007, but applications will be accepted after that date if the position is not filled. Kansas State University is an AA/EOE.

Residency with The Ohio State University and IDEXX Laboratories, Inc.

The Department of Veterinary Biosciences at The Ohio State University and IDEXX Laboratories, Inc. in Columbus, Ohio, are pleased to announce a new joint residency position in Veterinary Clinical Pathology. This is a 3-year program designed to fulfill training requirements and eligibility for board certification in veterinary clinical pathology combined with completion of the requirements for a Master's degree. Training will emphasize analytical and interpretive skills in diagnostic laboratory medicine, quality assurance, instrumentation, laboratory data management, and test development and validation in the areas of hematology, clinical chemistry, cytology, surgical pathology, immunology, electron microscopy, molecular diagnostics, immunocytochemistry, flow cytometry, confocal microscopy, microarray technology, and real-time PCR. The resident will be jointly supervised by 5 ACVP board-certified clinical pathologists at The Ohio State University and IDEXX Laboratories. The program is designed to be flexible, with time spent at The Ohio State University and IDEXX Laboratories during all 3 years. The resident will participate in rounds, seminars, and service duty rotations in a high-case load environment with opportunities to teach in lecture, seminar, and laboratory settings. The resident will have opportunities to carry out an original clinical research project and develop strong oral and written communication skills. The Department of Veterinary Biosciences at The Ohio State University is part of the most comprehensive health sciences center in America that includes the College of Medicine, the James Comprehensive Cancer Center, Children's Hospital, and Battelle Research Institute. The

department has an excellent record of graduates who successfully pass the certifying examination of the ACVP. IDEXX Laboratories, Inc. is a worldwide leader in innovative products and services for veterinary medicine and has one of their large reference laboratories just 10 miles north of the OSU main campus. Candidates with a career interest in diagnostic clinical pathology are especially encouraged to apply. A DVM from an AVMA-accredited institution and a GRE score are required. Review of applications will begin September 1, 2007 and continue until suitable applicants are selected for positions beginning June 16, 2008, 2008. Stipends begin at \$35,000, and tuition and most university fees are waived. Interested individuals should submit a Graduate School application to the Admissions Office of The Ohio State University (<http://gradadmissions.osu.edu>). A curriculum vitae, statement of career goals, and three letters of reference should be submitted to Dr. Michael Oglesbee, Graduate Studies Committee Chair, Department of Veterinary Biosciences, Ohio State University, 1900 Coffey Road, Columbus, OH 43210-1092. For more information, contact Dr. Maxey L. Wellman at (614)292-1877, wellman.3@osu.edu or visit the department website, www.vet.ohio-state.edu/docs. The Ohio State University is an AA/EOE.

Residency Training in Veterinary Clinical Pathology to begin Summer, 2008. As part of the most comprehensive health sciences center in America, the **Department of Veterinary Biosciences at The Ohio State University** offers outstanding training opportunities for students whose career goals include specialty education in clinical pathology training leading to a PhD degree. The department has a successful program in experimental and applied veterinary pathology demonstrated by sustained extramural funding and an excellent record of graduates who successfully pass the certifying examination of the ACVP. Trainees receive excellent training in clinical chemistry, cytology, hematology, immunology, surgical pathology, and molecular techniques. Trainees are directly involved in the teaching and diagnostic services of the clinical pathology laboratories, which provide support services for the large caseload in the Veterinary Teaching Hospital, regional practitioners, and the Columbus Zoo. Areas of research training are Cellular and Molecular Biology, Oncology, Microbiology and Immunology, and Pathophysiology and Pharmacology. Research training includes experience with transgenic animal pathobiology. Stipends begin at \$30,500, and successful applicants will receive a \$2,000 bonus to apply toward the cost of educational supplies. Tuition is provided (Estimated at \$18,872 resident/32,168/non-resident per year), and the university will pay an estimated \$1500 of the cost of student health insurance per year (individual cost is about \$375). A DVM from an AVMA-accredited institution is preferred and a GRE score is required. Applications are reviewed upon receipt and will continue until suitable applicants are selected for positions beginning June 16, 2008. Interested individuals should submit a Graduate School application to the Admissions Office of The Ohio State University (<http://gradadmissions.osu.edu>). A curriculum vitae, statement of career goals, and three letters of reference should be submitted to: Dr. Michael Oglesbee, Graduate Studies Committee Chair, Department of Veterinary Biosciences, Ohio State University, 1925 Coffey Road, Columbus, OH 43210-1092. For more information, contact Dr. Maxey Wellman at (614) 292-1877, Wellman.3@osu.edu or visit the department website, www.vet.ohio-state.edu. The Ohio State University is an AA/EOE.

The Department of Pathobiology, College of Veterinary Medicine, Auburn University Veterinary Clinical Pathology Resident/Graduate Student

The Department of Pathobiology, College of Veterinary Medicine, Auburn University invites applications for a residency in Clinical Pathology, combined with graduate training leading to the M.S. or Ph.D. degree. The program offers broad training in veterinary clinical pathology in preparation for certification by the American College of Veterinary Pathologists, with research experience and coursework leading to an M.S. (thesis or non-thesis) or Ph.D. degree. Residents also gain experience in teaching through instruction of veterinary students within the professional curriculum. Candidates must have earned the DVM or equivalent degree from an institution accredited by the AVMA and must qualify for admission to the Auburn University Graduate School. The candidate selected for this position must be able to meet eligibility requirements for work in the United States at the time appointment is scheduled to begin, and must be able to communicate effectively in English.

Review of applications will begin July 1, 2007 and continue until a candidate is recommended for appointment, with training to begin as early as September 1, 2007. The starting salary is \$27,500 per year, plus medical and tuition benefits. For application instructions, please contact Dr. Stuart Price,

Graduate Program Officer, Department of Pathobiology, College of Veterinary Medicine, Auburn University, pricesb@vetmed.auburn.edu. For additional information, please contact Dr. Elizabeth Spangler, Department of Pathobiology, College of Veterinary Medicine, Auburn University, AL 36849-5519, spangea@vetmed.auburn.edu, 334-844-2691; fax 334-844-2652. Auburn University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

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 clinical pathology resident/graduate training position beginning July 2008. The core program includes residency training in veterinary clinical pathology and graduate research and is designed to culminate in specialty board certification and granting of the PhD degree. A Master's degree track can also be selected. Residency training is facilitated by a diverse faculty, 15 of whom are board certified by the ACVP. Graduate research opportunities include, but are not limited to, the study of bacterial and viral pathogenesis/therapy, mycobacterial diseases, arthropod borne infectious disease, retrovirus pathogenesis/therapy, transmissible spongiform encephalopathies, immunoparasitology, malarial molecular biology and immunology, cancer biology, erythrocyte disorders, and vector biology. The first three years of combined residency and graduate training are supported by state funded stipends starting at approximately \$31,000/year. NIH sponsored training grants and successful applications for extramural funding support subsequent research if necessary. 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 the position are due by November 15, 2007. Early applications are encouraged to allow time for interviews prior to training position offers which will be made in December. For additional information and application procedures, visit: <http://www.cvmb.colostate.edu/mip/gradprogs/gradindex.html>. For further information about the clinical pathology program, please contact Christine Olver; tel. (970) 491-1340 or email: colver@colostate.edu. Questions regarding the application process should be directed to: Ms. Krista Reeves; tel. (970) 491-6144 or by email: gradpath@colostate.edu.

Applications should be sent to: Dr. Christine Olver, Clinical Pathology Residency Coordinator, Colorado State University, Department of Microbiology, Immunology and Pathology, 1619 Campus Delivery, Fort Collins, CO. 80523-1619

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

Merck: Clinical Pathologist

At Merck, we believe in putting patients first in all we do. This commitment, along with our focus on developing novel medicines and vaccines that address unmet patient needs, distinguishes us as one of the world's leading research-driven pharmaceutical companies. And it leads us to do amazing things, such as:

Discover and develop medicines and vaccines that provide true advances in patient care. Use our proven research ability to tackle diseases like cancer, Alzheimer's, diabetes and obesity. Help patients who need financial assistance to get the medicines they need. Bring hope to people around the world affected by health crises like HIV/AIDS and river blindness. Make free, unbiased general health information available to everyone. We currently have an exciting opportunity for a qualified Veterinary Clinical Pathologist to join our team at our West Point, PA location of Merck Research Laboratories. West Point is a scenic suburban town in eastern Pennsylvania approximately 25 miles Northwest of Philadelphia.

Clinical Pathologist

In Merck's Safety Assessment, we are designing comprehensive studies and adopting innovative solutions to investigate mechanisms of toxicologic pathology to better evaluate drug development candidates. We are seeking a Veterinary Clinical Pathologist who is interested in joining a growing department to design preclinical toxicity studies on novel drug candidates, assist in the development of

novel biomarkers, and interpret clinical pathology data to assess potential human risk. In addition, opportunities exist to lead and actively participate in the drug discovery and development process for therapeutic programs.

Individuals with a DVM (or equivalent) and ACVP/ECVP board-eligibility or certification in veterinary clinical pathology are encouraged to apply. PhD in a related-field is desirable. This position is open immediately. Clinical Pathologists with prior experience in the pharmaceutical industry, including contract research organizations, are especially encouraged to apply.

*** To be considered for this position, please visit our career site at www.merck.com/careers to create a profile and submit your resume for consideration for this position identified as VET000223

*** In addition, the Director of Clinical Pathology can be contacted by phone at 215-652-0803 for more information about this position and the unique opportunities for broad interaction in the drug development process as a Clinical Pathologist at Merck. Consistently cited as a great place to work, we discover, develop, manufacture and market a wide range of vaccines and medicines to address unmet medical needs. Each of our employees is joined by an extraordinary sense of purpose – bringing Merck's finest achievements to people around the world.

We offer an excellent salary and an industry-ranked benefits program, including tuition reimbursement, work-life balance initiatives and developmental programs at all levels. Merck's retirement package includes a pension plan and one of the best 401(k) plans in the nation.

Merck is an equal opportunity employer, M/F/D/V – proudly embracing diversity in all of its manifestations.

University of Wisconsin

Two Faculty Positions in Veterinary Clinical Pathology

The Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin-Madison, invites applications for a tenure track and a clinical track position in Clinical Pathology at the level of Assistant or Associate Professor. For the tenure track position, a DVM or equivalent degree and a PhD degree or equivalent research or scholarly experience are required. ACVP board certification (clinical pathology) or eligibility is preferred. The successful candidate will establish and maintain an extramurally funded research program and will participate in the instructional program, including training residents and graduate students, and in diagnostic service activities. For the clinical track position, a DVM or equivalent degree and ACVP board certification (clinical pathology) or eligibility are required. The successful candidate will participate in the instructional program, including resident-training, and in diagnostic service activities and will conduct discipline-based collaborative or independent scholarly activities. The Department and School are part of the world-class biomedical community at the University of Wisconsin and house strong programs in many disciplines, including cellular and molecular pathogenesis of infectious diseases, oncology, and neuroscience. Interested individuals should submit a letter stating career goals and current expertise, a curriculum vitae, and names and addresses of three references. Applications should be sent to Dr. Ronald D. Schultz, Professor and Chair, Department of Pathobiological Sciences, School of Veterinary Medicine, 2015 Linden Drive, Madison WI 53706; e-mail: schultzr@svm.vetmed.wisc.edu; tel: 608-263-9888; fax: 608-263-0438. The application screening process will begin on September 1, 2007 and the search will continue until the position is filled. The University of Wisconsin is an equal opportunity employer committed to excellence through diversity and encourages applications from women and underrepresented groups.

University of Tennessee

Clinical Pathologist (tenure track or non-tenure track)

The Department of Pathobiology at the University of Tennessee seeks applications for a tenure track or non-tenure track Clinical Pathologist position at the Assistant or Associate Professor level. The position is held presently by a senior colleague who plans to retire in the fall of 2008. The person hired will join two board-certified clinical pathologists currently on the faculty. A DVM or equivalent degree and ACVP board certification or eligibility are required. A PhD or MS degree or equivalent research or scholarly

experience is desirable, but not required. Responsibilities include diagnostic service, teaching of veterinary students and residents, and scholarly activity. Applications from candidates with extramurally funded research programs are welcomed, but extramural funding is not required in order to apply for or succeed in a tenure track position. Exact effort allocation is negotiable and promotions and tenure decisions are based on performance in assigned duties. Compensation and rank are negotiable based on experience and accomplishments. Interested individuals should submit a letter stating career goals, a curriculum vitae, and names and addresses of three references. Applications should be sent to Dr. Casey J. LeBlanc, Department of Pathobiology, College of Veterinary Medicine, University of Tennessee, 2407 River Drive, Room A201, Knoxville, TN 37996-4542. Informal inquiries are welcome (e-mail: cleblanc@utk.edu; phone: 865-740-4651). Applications will be accepted until December 31, 2007, or until the position is filled.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services.

**Schering Plough, Lafayette or Summit, NJ
Senior Clinical Pathologist**

Our plans for tomorrow are as bold as yours. Schering-Plough has new drugs on the horizon, new partnerships and a renewed dedication to leadership, values and hard work — the same qualities that made us an industry leader for decades. Each day, we grow our relationships and establish the trust of doctors and patients alike, while providing them with a steady flow of the most innovative and effective science-based medicines and services. As we strive to achieve these goals, our commitment to building a diverse, global, highly skilled workforce has become even stronger, with performance driven incentives, leading edge training and development, and excellent opportunities for professional advancement. We currently have an exciting opportunity for a Veterinary Clinical Pathologist located in Lafayette or Summit, NJ.

Opportunity snapshot:

Work in partnership with Toxicology and Safety Pharmacology colleagues to design, conduct, report and interpret rodent, dog and non-human primate drug safety studies on candidate drug substances. Such activities encompass responsibility for laboratory oversight, assay validation and quality control, clinical pathology data interpretation, report preparation and assessing relevance to human safety, and generally represent 30-60% of an individual's work responsibilities. Design and guide novel approaches to understanding mechanisms of toxicity and developing new biomarkers. Participate in project-related assignments and serve as the representative of Drug Safety Evaluation on organization-wide Project Teams, which manage development of candidate drug substances from late discovery through regulatory approval and marketing authorization.

Specifically you will:

Be a key member of Drug Safety Evaluation investigative teams to examine mechanisms of toxicity. Be an essential member of multidisciplinary team(s) that are oriented towards Investigational New Drug Application filings and or the support of existing molecules that are in clinical testing. Provide clinical pathology expertise to scientists from various disciplines in a team-oriented environment.

Minimal education required for this job: D.V.M.

Skills/ What you'll bring to the table:

DVM or equivalent and post-doctoral training in Veterinary Clinical Pathology is required. Experience in a research-oriented organization preferred, ideally within pharmaceutical or biotechnology industry; additional experience in toxicological clinical pathology desirable. Skills in experimental design, and evaluation and interpretation of clinical pathology data required.

What's in it for you:

Commitment to excellence -- you will enjoy the spirit and energy of working with top-notch professionals that are passionate in their management of drug safety studies. Your efforts will have significance in the development of innovative products that can provide doctors with the therapies they need to improve their patients' health.

Commitment to research -- Schering-Plough has continually invested in research and development; . Research targets include allergic and inflammatory disorders, infectious diseases, oncology, cardiovascular disease and central nervous system disorders. Chemical entities include both small molecules and biotechnology products.

Career development -- depending on your talent and performance, promotion opportunities exist within the Schering-Plough Research Institute and throughout the company. On-going learning and skill improvement opportunities provide an enhancement to the development of your career.

Great work environment -- we promote a creative, dynamic, and intellectually stimulating atmosphere in which professionals find enjoyment in collaborating, working hard and achieving results. Work with a leadership of vision and values in an environment of mutual trust, collaboration and respect.

As part of the Schering-Plough collaboration team, you'll benefit from strong leadership; a new vision and an empowering corporate culture...while enjoying competitive compensation and a progressive benefits package.

Orders for 2007 ASVCP Case Review Sets

The 2007 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 2007 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 October 1, 2007**. After October 1, all remaining slide sets will be sold to ASVCP members in sequential order starting with the earliest postmark dates 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.

2007 ASVCP Case Review Set Order Form

Please enclose a check or money order (United States dollars only) payable to ASVCP for \$75 for each set to be mailed within North America, or \$100 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 dates on order.

Address to which the 2007 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.

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

ASVCP National Office
 ATTN: Case Review Sets
 2810 Crossroads Drive, Ste. 3800
 Madison, WI 53718