



NEWSLETTER

AMERICAN SOCIETY FOR VETERINARY CLINICAL PATHOLOGY

August 2005

Newsletter #3

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Important Dates

December 3-7, 2005	Annual ASVCP/ACVP Meeting, Boston, MA
December 4, 2005	ASVCP Annual Business Meeting, Boston, MA

President's Message:

Greetings, ASVCP colleagues,

Our Society is continually evolving. That statement probably comes as no surprise to you. What has impressed me in the last few years as an Executive Board member is how this evolution occurs with creative and thoughtful input from many different people. Ideas for change come through e-mail discussions, conference calls, meetings, committees and from ASVCP members. Each idea is carefully considered and the

discussions, which include a wide variety of opinions may take weeks, months, or even years. Through this dynamic process, the final decision is usually a compromise and represents the best efforts of many people working together.

The Executive Board has made several decisions in the last few months that should be of benefit to the Society. The first is to adopt an ASVCP reserve fund investment plan suggested by Treasurer Sonjia Shelly. The investment plan will help the Society earn a better return on our reserve funds, while keeping them liquid enough to be able to respond to any unforeseen need for expenditures or to compensate for any unexpected income shortfall. Three \$25,000 certificates of deposit with staggered maturation dates will be purchased. The rate of return should be higher than the Money Market fund that has been used as the sole investment instrument for the Society's reserve funds in the past

Another change is in response to a request by Editor-in-Chief Mary Christopher to publish a separate Abstracts Issue of *Veterinary Clinical Pathology* this year. This request is a reflection of the increasing success of our journal, and is well justified. As Mary explained to the Executive Board, in the past, ASVCP abstracts have been published in the September issue, and ESVCP abstracts in the December issue. The number of abstracts has been increasing each year, and there will be over 100 for 2005, filling over 40 journal pages. Manuscript submissions have also steadily increased, bringing the backlog of accepted manuscripts to an undesirable level. A separate Abstract Issue will leave more room for scientific articles in the regular issues, allowing them to be published in a more timely manner. An Abstracts Issue can serve as a first step in the planned eventual transition to 6 issues of the journal per year. A separate Abstracts Issue will also provide a convenient resource for readers and can be timed to allow members to bring it to the meeting in Boston.

Speaking of the meeting in Boston- see you there!

Best wishes to all.
Sue Tornquist
ASVCP President

ASVCP Election Results

Congratulations to the winners of the 2005 ASVCP election! Christine Olver (Colorado State University) is our President-elect. Melinda Wilkerson (Kansas State University) is our new First Year Executive Board Member. Christine and Melinda will be installed at the ASVCP Annual Business Meeting, to be held in Boston in December.

The proposal to amend our Constitution passed. Our Constitution will now read (*italics indicate words added*): "The Executive Board shall be composed of the officers, and two members elected by mail *or electronic* ballot and installed at the annual meeting."

**40th ASVCP / 56th ACVP Annual Meeting
December 3-7, 2005
Boston, Massachusetts**

Saturday, December 3, 2005

- 8 am-5 pm** **ASVCP Pre-meeting Workshop**
The Role of Clinical Pathology Parameters in the Integrated Assessment of Drug-induced Hepatotoxicity, Immunotoxicity and Renal Toxicity in Preclinical Studies
Session Chair: Laura Boone
- 5:30 pm-7:30 pm** **Teaching Clinical Pathology**
Technology in Teaching Clinical Pathology
Session Chairs: Leslie Sharkey & Sharon Dial
- 7:30 pm-8:30 pm** **ASVCP Discussion Forum**
Developing Formal Training Opportunities for Clinical Pathology Residents at Pharmaceutical/Biotech Companies
Session Chairs: Leslie Sharkey, Joanne Messick, & Eric Schultze

Sunday, December 4, 2005

ASVCP Education Symposium

8:00 am – 12:00 noon

Topic: Endocrinology: Diabetes mellitus and thyroid disease in the dog and cat
Session Chair: Joanne B. Messick

- 8:00-8:05 am** Introduction and Announcements
- 8:05-8:55 am** **Title:** Comparative aspects of Diabetes Mellitus in Dogs and Cats.
Speaker: Dr. Margarethe Hoenig
Description: Diabetes mellitus is a common disease in cats and dogs. Its incidence is increasing, possibly due to an increase in obesity in both species. Different types of diabetes have been identified in pet animals. The classification of diabetic dogs and cats is modeled after the human classification but many aspects are different. The clinical presentation, pathophysiology, and histologic findings are described for both dog and cat and possible etiological mechanisms are discussed.

- 8:55-9:45 am** **Title:** Diagnosis of Diabetes in the Cat and Dog, Assessment of Risk, and Management from the Perspective of Laboratory Testing.
Speaker: Dr. Margarethe Hoenig
Description: The role of glucose tolerance testing and insulin secretory response to glucose and arginine for the diagnosis of beta cell dysfunction and diabetes mellitus in the dog and cat will be discussed. The utility of newer tests for diagnosis and monitoring of diabetes such as serum fructosamine and hemoglobin A1c will be reviewed.
- 9:45-10:15 am** Refreshment Break
- 10:15-11:05 am** **Title:** Update on Thyroid Function Tests in the Cat: Where Does TSH fit?
Speaker: Dr. Duncan Ferguson
Description: Recent studies involving feline thyroid diagnostic tests including free T4 by equilibrium dialysis and use of the canine TSH assay will be reviewed. Also reviewed will be the potential and value of an immunoassay for feline TSH for study of the pathophysiological causes and earlier diagnosis of feline hyperthyroidism.
- 11:05-12 noon** **Title:** Update on Canine Thyroid Function Testing
Speaker: Dr. Duncan Ferguson
Description: This presentation will serve to evaluate progress toward understanding the diagnostic issues relating to interpretation of thyroid function tests in the dog, with concentration on the TSH assay, free T4 measurement, and measurement of anti-thyroglobulin autoantibodies. In addition, progress toward understanding and improving the canine TSH assay and the influence of drugs on thyroid function test results will be reviewed.
- Noon-1:30 pm** ASVCP Clinical Pathology Trainee Reception (open to graduate students, residents, and ASVCP invited speakers)
Sponsored by IDEXX VETERINARY SERVICES

ASVCP Clinical Pathology Scientific Session I

1:30 p.m. – 4:30 p.m.

Session Chair: Judith Radin

Committee Member: Christine Olver

- 1:30-1:45 pm** VETERINARY PRACTITIONER USE OF CYTOLOGY AND INTERACTION WITH CLINICAL PATHOLOGISTS
M. Christopher, C. Hotz, S. Shelly, and P. Pion.
Keyword: Cytology, Abstract #1

- 1:45-2:00 pm** NORMAL AND ATYPICAL MITOSIS
H. Tvedten
Keyword: Cytology, Abstract #2
- 2:00-2:15 pm** CHARACTERIZATION OF THE PIGMENTED CYTOPLASMIC GRANULES COMMON IN CANINE HEPATOCYTES
M. Scott and K. Buriko
Keyword: Cytology, Abstract #3
- 2:15-2:30 pm** FELINE NASAL LYMPHOMA: 46 CASES (1989-2004)
L. Little, R. Patel, M. Lamb, and M. Goldschmidt
Keyword: Cytology, Abstract #4
- 2:30-2:45 pm** EVALUATION OF THE ADVIA120 CSF ASSAY FOR ANALYSIS OF CANINE CEREBROSPINAL FLUID
K. Ruotsalo, R. Poma, and D. Bienzle
Keyword: Clinical Pathology, Abstract #5
- 2:45-3:00 pm** ASSESSMENT OF A COMMERCIAL GEL COLUMN TECHNIQUE FOR FELINE AB BLOOD TYPING AND CROSSMATCHING
U. Giger, M-C. Blais, and N. Weinstein
Keyword: Clinical Pathology, Abstract #6
- 3:00-3:30 pm** Refreshment Break – Visit Posters and Exhibits
- 3:30-4:30 pm** **Title:** Endocrine Disruptors - Should we be concerned in Veterinary Medicine?
Invited speaker: D. Ferguson
Description: Environmental and dietary components may influence reproductive, adrenal and thyroid function, but until recently, little was known about their potential impact on domestic animals. Compounds of concern may be influencing in particular thyroid function test, even influencing our establishment of normal reference ranges. Evidence that feline hyperthyroidism is potentially a disease resulting from endocrine disrupting compounds will be reviewed.

Veterinary Laboratory Professionals

1:00 p.m.- 4:30 p.m.

Session Chair: Linda Vap

- 1:00-3:00 pm** Carol Howard, Jennifer Stewart Obtaining and & Maintaining
Dr. Sally Lester a Quality System through
Central Laboratories ISO 17025 and 9000

- 3:00-3:30 pm Refreshment Break
- 3:30-4:30 pm Carol Howard, Jennifer Stewart Obtaining and & Maintaining
Dr. Sally Lester a Quality System through
Central Laboratories ISO 17025 and 9000, cont'd
- 4:30-6:00 pm **ASVCP ANNUAL BUSINESS MEETING**

Monday, December 5, 2005

8:00am-Noon ACVP/ASVCP Joint Plenary Session:
Pathophysiology of Stress
Session Chair: J. Mark Cline

12:15-1:15 pm ACVP Clinical Pathology Examination Slide Review

Veterinary Laboratory Professionals

8:00 a.m. – 12:15 p.m.
Session Chair: Linda Vap

- 8:00-9:00 am** Dr. Margarethe Hoenig Diagnosing and monitoring diabetes mellitus
- 9:00-10:00 am** Dr. Duncan Ferguson Thyroid disease in dogs and cats
- 10:00-10:30 am** Refreshment Break
- 10:30-11:30 am** Dr. Duncan Ferguson Testing for thyroid disease in dogs and cats
- 11:30-12:15 pm** Dr. Tara Holmberg Immunocytochemistry - the nuts and bolts of making it work

-----**ASVCP and VLP FREE AFTERNOON**-----

5:15-6:45 pm ASVCP Reception (members only)

Tuesday, December 6, 2005

ACVP/ASVCP Concurrent Sessions

- 8:00 am-Noon** ACVP/ASVCP Concurrent Session I : Primate Pathology
Session Chair: Joseph Mankowski
- 8:00 am-Noon** ACVP/ASVCP Concurrent Session II: Osteoarthritis
Session Chair: Cathy S. Carlson

ASVCP Clinical Pathology Scientific Session II

8:30 pm – 12 noon

Session Chair: Judith Radin

Committee Member: Christine Olver

- 8:00-9:00 am** **Title:** Stress as a mechanism for diabetes and thyroid disease
Invited Speakers: M. Hoenig and D. Ferguson
Description: Reactive oxygen species (ROS) play an important role in normal physiologic processes of the thyroid and pancreas, however when in excess they cause tissue damage. There is accumulating evidence that oxidative stress is an underlying mechanism in the development of thyroid diseases, including Graves disease, goiter formation and thyroid cancer. Oxidative stresses also are likely involved in the progression of pancreatic β -cell dysfunction found in diabetes. This presentation provides an overview of these mechanisms.
- 9:00-9:15 am** QUALITATIVE AND QUANTITATIVE COMPARISONS OF CELLULOSE ACETATE AND AGAROSE GEL PROTEIN ELECTROPHORESIS OF CANINE, FELINE AND EQUINE SERA
T.M. Grondin* and S.L. Stockham
Keyword: Clinical Chemistry, Abstract #7
- 9:15-9:30 am** COMPARISON OF PROTEIN CONCENTRATIONS IN PRECOLOSTRAL AND POSTCOLOSTRAL BOVINE SERA USING SPECTROPHOTOMETRIC, REFRACTOMETRIC, ELECTROPHORETIC, AND RADIOIMMUNODIFFUSION METHODS
R. Di Terlizzi*, S.L. Stockham, R. Kempegowda, and M.J. Wilkerson
Keyword: Clinical Chemistry, Abstract #8
- 9:30-9:45 am** HAPTOGLOBIN AND SERUM AMYLOID A AS MARKERS OF HEALTH AND WELFARE IN PRODUCTION ANIMALS
D. Eckersall
Keyword: Immune System, Abstract #9

- 9:45-10:00 am** CHARACTERIZATION OF MAJOR SURFACE PROTEIN 5 OF *ANAPLASMA PHAGOCYTOPHILUM* AND ITS SIGNIFICANCE FOR DIAGNOSTIC USE
N. Strik*, A. Alleman, A. Barbet, H. Sorenson, F. Gaschen, N. Luckschander, S. Wong, F. Chu, D. Knowles, A. Bjoersdorff, and S. Stuen
Keyword: Infectious Disease, Abstract #10
- 10:00-10:30 am** Refreshment Break - Visit Posters and Exhibits
- 10:30-10:45 am** RETICULOCYTE CHANGES AFTER EXPERIMENTAL ANEMIA AND ERYTHROPOIETIN TREATMENT OF HORSES
C. Cooper, W. Sears, and D. Bienzle
Keyword: Hematology, Abstract #11
- 10:45-11:00 am** USE OF A COLLAGEN BINDING ASSAY AND PLATELET FUNCTION ANALYZER IN THE CHARACTERIZATION OF DOGS WITH VON WILLEBRAND DISEASE
H.J. Burgess*, J.P. Woods, A.C.G. Ogg, R.M. Jacobs, and R.D. Wood
Keyword: Clinical Pathology, Abstract #12
- 11:00-11:15 am** PERFORMANCE OF TWO CANINE COOMBS' TESTS AT A VETERINARY TEACHING HOSPITAL
J. Overmann*, D. Borjesson, D. Weiss, and L. Sharkey
Keyword: Clinical Pathology, Abstract #13
- 11:15-11:30 am** DEVELOPMENT OF MOUSE MODELS OF HUMAN T-LYMPHOTROPIC VIRUS TYPE-1 ASSOCIATED ADULT T-CELL LEUKEMIA/LYMPHOMA (ATL)
C. Parrula*, B. Zimmerman, M. Lairmore, and S. Niewiesk
Keyword: Hematology, Abstract #14
- 11:30-11:45 am** CIRCULATING NUCLEIC ACIDS AS A BIOMARKER FOR DOGS WITH CANCER
D. Schaefer* and L. Rush
Keyword: Clinical Pathology, Abstract #15
- 11:45-12:00 pm** Utilization of Cardiac Troponin I and T Immunoassays in Dogs
W.J. Reagan, F. Clemo, S. Summers, P. Snyder, M. Engwall, R. Austin-LaFrance, F.S. Apple, M.M. Murakami, D. Walker, M. York, and the HESI Biomarker Technical Committee-Troponin Expert Working Group
Keyword: Cardiovascular, Abstract #16

*Competitor for the ASVCP Young Investigator Award (platform competition)

Veterinary Laboratory Professionals

8:00 am - 10:30 am

Session Chair: Linda Vap

- 8:00-8:45 am** Nicole Rosen Round Table 1: Cost per test accounting
- 9:00-9:45 am** Betty Thompson Round Table 2: Point of Care Test Validation
- 9:45-10:30 pm** Urs Giger Current canine and feline blood typing methods and issues

ASVCP Case Review Session

- 1:30 pm** Presentation of the ASVCP Young Investigator Award
- 1:30-5:00 pm** Case Presentations
Moderator: Holly Jordan
(Schedule available later)

Wednesday, December 7, 2005

ACVP/ASVCP Concurrent Sessions

- 8:00 am-Noon** ACVP/ASVCP Concurrent Session III: Update on Lentiviruses
Session Chair: Sherry Klumpp
- 8:00 am-Noon** ACVP/ASVCP Concurrent Session IV: Aquatic Environmental Pathology
Session Chair: Mac Law
- 8:00 am-Noon** Mini-symposium: Myeloid Neoplasms: Diagnosis & Pathogenesis
Session Chair: Patricia McManus

2005 “Teaching Clinical Pathology” Session Preview

The 2005 “Teaching Clinical Pathology” Session will be held on Saturday, December 3, from 5:30-7:30 pm, in conjunction with the Annual Meeting in Boston. The title of this year's session is "Teaching Clinical Pathology: Integrating Technology and Teaching Formats".

The development of newer technologies for computer-based learning, including advances in digital images of hematological and cytological specimens, has provided the clinical pathologist with numerous options for teaching formats. The forum will discuss the integration of technology into various teaching settings. Participants will be encouraged to share their experiences with teaching formats (i.e. case-based learning, online courses, computer-enhanced lectures, etc). In addition, new technologies in imaging and how they can be integrated into traditional and non-traditional teaching methods will be demonstrated.

--Submitted by Leslie Sharkey and Sharon Dial, Session Moderators

ASVCP Discussion Forum Concerning Training Programs Slated for 2005 Meeting

A session entitled “ASVCP Discussion Forum: Developing Formal Training Opportunities for Clinical Pathology Residents at Pharmaceutical/Biotech Companies” is scheduled for 7:30 to 8:30 pm on Saturday, December 3, during our 2005 Annual Meeting. Session chairs are Eric Schultze, Leslie Sharkey, and Joanne Messick. Following a 5 minute introduction by Eric, 10-15 minutes will be spent on each of the following discussion points: 1. What does industry desire or expect of a pathology training program that is run by an academic institution? 2. What does academia desire or expect of a pathology training program that incorporates an industry partner? 3. What steps must be taken to develop an effective training program that meets the goals of both the academic training institution and corporate partner? 4. What training opportunities currently exist for veterinary students and residents/graduate students who are interested in pharmaceutical/biotech companies? Gary Cockerell will then give a 5 minute update on the ACVP/STP Coalition for Veterinary Fellows.

Gather your thoughts about the points delineated above, and come prepared for the discussions! The nature of our training programs is something that we all have a stake in as clinical pathologists. See you there!

ASVCP Committee Updates

Program Committee

The program committee has worked with Laura Boone of the Regulatory Affairs Committee and our liaison, Kirstin Barnhart, to finalize plans for the Pre-meeting Workshop. In addition to the "Teaching Clinical Pathology" session, a new ASVCP Discussion Forum entitled "Developing Formal Training Opportunities for Clinical Pathology Residents at Pharmaceutical/Biotech Companies", is scheduled for Saturday, December 3, 2005. For more information, see page 10 of this Newsletter, or the ASVCP website (www.asvcp.org). Scheduling for the ASVCP Education Symposium, ASVCP Clinical Pathology Scientific Sessions I & II, and VLP program are completed, with speakers and topics confirmed. Thanks to everyone on the committee for his/her help in making this meeting come together.

--Report submitted by Joanne Messick, Committee Chair

Education Committee

Mark Johnson and Nana Gharthey-Tagoe are working diligently to get a complete update of the ASCVP Residency Training Website this year. We have probably contacted every institution at least twice. Thanks very much to those institutions who have responded; we look forward to a 100% response rate this year. A working draft of the residency training guidelines for hematology is almost complete and will be ready for Executive Board review by the December meeting. Beverly Kidney has begun work on the cytology/surgical pathology guidelines.

Planning is complete for the 2005 Teaching Clinical Pathology discussion session. This year's topic is "Teaching Clinical Pathology: Integrating Technology and Teaching Formats". Please note that an additional ASVCP Discussion Forum, "Developing Formal Training Opportunities for Clinical Pathology Residents at Pharmaceutical/Biotech Companies", will be held immediately following the Teaching Clinical Pathology session. The latter session will be chaired by Leslie Sharkey, Joanne Messick and Eric Schultze, and we hope to get broad input on the optimal design of collaborative residency training programs involving industry and academia. Please see the 2005 Program guide, the ASVCP website, and pages 9-10 of this Newsletter for more information.

--Report submitted by Leslie Sharkey, Committee Chair

Development Committee

The Development Committee met via teleconference in June to discuss contributions for 2005. The committee members decided to personally contact our previous corporate contributors, to encourage them to continue their support of the ASVCP and its programs for 2005. Whether you are associated with one of our corporate contributors

or another corporation that has not yet contributed to the Society, you can call the ASVCP Headquarters to find out how easy it is to donate to the Society (608-443-2479).

The “*Share the Future!*” campaign is an opportunity for all the Society members to show support for the existing programs of the ASVCP, as well as new programs that can be developed with additional support. A number of Society members have already contributed. If you have thought about it, but it just hasn’t bubbled to the top of the “to do list”, make this the time that you will sit down and write that check to the Society – a form was included with the new Directory – to show support for the future of the Society. Some people have indicated that they thought only large contributions would be welcome. Not so!! All contributions, no matter how small, are welcome. The point is, working together we can do great things! Let’s all ***Share the Future!***

New members for the Development Committee are needed for the coming year. If you would like to have a reason to call people to talk about the great things that our Society could do with their contribution and support of our programs, this is the committee for you. Please contact me (541-737-8233 or karyn.bird@oregonstate.edu) to talk about how you can be a member of the Development Committee beginning in 2006.

--Report submitted by Karyn Bird, Committee Chair

Veterinary Laboratory Professionals Committee

The agenda is set for the Boston Conference. Rick DeFrancisco is arranging for PACE credits for those needing them. Up to 7 credits can be earned for the Dec 4th-6th meeting.

--Report submitted by Linda Vap, Committee Chair

Executive Board News

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. Since publication of ASVCP Newsletter #2, 2005, the Board has voted to adopt an ASVCP reserve fund investment plan devised by Treasurer Sonjia Shelly, and to approve a request by Editor-in-Chief Mary Christopher to publish a separate Abstracts Issue of *Veterinary Clinical Pathology* this year. For more information regarding these 2 actions, please see Sue’s comments in her President’s Message, this issue. The Board has also voted to accept the recommendations of the Nominating Committee for presentation of three ASVCP Lifetime Achievement Awards at our 40th Anniversary meeting in Boston this December.

We have voted to accept the applications for membership of Chiranjit Deka, Kate Duncan, William Hare, Brett Hopkins, Jenni Jenkins-Perez, Kristine Perry, C.W. Tiburon, Maria A. Vandis, and Julie Lynn Webb. Welcome, new members!

--report prepared by Marlyn Whitney, ASVCP Secretary

Announcements

NEW CONTACT INFORMATION FOR ASVCP NATIONAL OFFICE: Our National Office has moved! Members can now 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. The previous telephone number will forward calls to the new number until May of 2006.

Electronic Newsletters: Effective with ASVCP Newsletter #1 for 2004, 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 Marlyn Whitney (whitneym@missouri.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, Marlyn Whitney, at D102 Veterinary Medical Diagnostic Lab, University of Missouri, Columbia, MO 65211; Email: whitneym@missouri.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 Marlyn Whitney at whitneym@missouri.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.

Upcoming Meetings

The 25th Annual Conference of the Veterinary Cancer Society will be held October 20-23, 2005 at the Hilton Waterfront Beach Resort in Huntington Beach, California. For more information go to: www.vetcancersociety.org.

48th Annual American Association of Veterinary Laboratory Diagnosticians Meeting: November 2-8, 2005, Hershey Lodge and Convention Center, Hershey, PA. For more information, go to: www.aavld.org/aavld-3/annual_meeting2.jsp.

Division of Animal Clinical Chemistry (DACC) Fall Meeting: December 2, 2005, Boston Marriott Copley Place Hotel, Boston, MA. Held in conjunction with the combined Annual Meetings of the ASVCP and ACVP. Go to www.aacc.org/divisions/animal/meetings.stm.

The **Veterinary Cancer Society** will hold a **Symposium on Canine Osteosarcoma** on March 5-8, 2006 at the Enchantment Resort in Sedona, Arizona. For more information go to www.vetcancersociety.org.

Job Opportunities

Residency Training in Veterinary Clinical Pathology. 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 \$26,500, and successful applicants will receive a \$2,000 bonus to apply toward the cost of educational supplies. Tuition is provided (Estimated at \$9,608/resident or \$24,556/non-resident per year), and the university will pay an estimated \$1480 of the cost of student health insurance per year. 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 19, 2006. 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.

Veterinary Clinical Pathologist: Assistant or Associate Professor, full-time, tenure track, in veterinary clinical pathology. Academic rank, salary, and tenure-track status are negotiable. **QUALIFICATIONS:** The position requires a D.V.M. or comparable degree, PhD. degree in pathology or a related discipline, and A.C.V.P. board certification or eligibility in clinical pathology. Applicants should have demonstrated competence in diagnostic skills, interest and experience in teaching and documented research productivity. Preferred qualifications include a demonstrable commitment to promoting and enhancing diversity. For appointment at the Associate Professor level, individuals will be expected to have established a competitive, externally funded research program, a documented record of productivity, as well as sustained creativity demonstrated by grant support and research accomplishments. **RESPONSIBILITIES:** Job responsibilities include sharing cytology/hematology/clinical chemistry diagnostic duty with one other clinical pathologist, teaching in the professional curriculum and development of a research program compatible with the goals of the College of Veterinary Medicine. Candidate is expected to develop an extramurally-funded research program. This position is approximately 40% teaching and diagnostic service and 60% research. **UNIVERSITY AND COMMUNITY:** OSU is one of only two American universities to hold the Land Grant, Sea Grant, Sun Grant, and Space Grant designation and is a Carnegie Doctoral/Research-Extensive university. OSU is located in Corvallis, a community of 53,000 people situated in the Willamette Valley between Portland and Eugene. Ocean beaches, lakes, rivers, forests, high desert, the rugged Cascade and Coast Ranges, and the urban amenities of the Portland metropolitan area are all within a 100-mile drive of Corvallis. Approximately

15,700 undergraduate and 3,400 graduate students are enrolled at OSU, including 2,600 U.S. students of color and 950 international students. The university has an institution-wide commitment to diversity, multiculturalism, and community. We actively engage in recruiting and retaining a diverse workforce and student body that includes members of historically under-represented groups. We strive to build and sustain a welcoming and supportive campus environment. OSU provides outstanding leadership opportunities for people interested in promoting and enhancing diversity, nurturing creativity, and building community. CLOSING DATE: August 31, 2005. EARLIEST START DATE: January 1, 2006. TO APPLY: Submit 1) letter of application, 2) curriculum vita and 3) name, email address and phone numbers of three references to: Ms. Tammy Jennings, OSU-College of Veterinary Medicine; 101 Magruder Hall, Corvallis, OR 97331-4802, Fax: (541) 737-0502, Email: TammyJennings@oregonstate.edu. Contact Dr. Susan Tornquist, (541) 737-6943, email: Susan.Tornquist@oregonstate.edu for information or questions about the position. OREGON STATE IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER AND HAS A POLICY OF BEING RESPONSIVE TO THE NEEDS OF DUAL CAREER COUPLES.

Veterinary Clinical Pathologists. Antech Diagnostics has immediate openings for clinical pathologists at our Irvine, CA and Chicago, IL facilities. In Irvine, we have a brand new facility with "state-of-the-art" laboratory/histopathology equipment. Irvine Antech Pathologists will have adjunct faculty status with Western University Veterinary School and will be participating in the training of veterinary students starting August 2005. Currently there are 10 pathologists on staff in the Irvine laboratory. Qualifications include a D.V.M. or V.M.D. degree and A.C.V.P. board certification or eligibility. Salaries and benefits are highly competitive. For further information, contact Dr. Lon Rich: 800-542-1151, ext 2421 or Lon.Rich@antechmail.com.

Residency Training in Clinical Pathology. The University of California-Davis has a residency position available in Veterinary Clinical Pathology available August 1, 2006. The 3-year program is designed to fulfill training requirements and eligibility for board certification in clinical pathology by the American College of Veterinary Pathologists. Training emphasizes analytical and interpretive skills in diagnostic laboratory medicine (hematology, clinical chemistry, cytology, surgical pathology); basic principles of pathophysiology and disease; and quality control, instrumentation and laboratory data management. The resident will be based in the UC Davis Veterinary Medical Teaching Hospital and provide direct service and consultation to clinicians, technicians, residents, and students under the supervision of 4 board-certified clinical pathologists. The resident will participate in rounds and seminars, contribute to publication of case material, and design and carry out an original clinical research project. Residents also will participate in teaching clinical pathology to veterinary students. Opportunities exist for rotations through IDEXX Veterinary Laboratories in West Sacramento, zoo and wildlife facilities, research animal resources, and the primate center. Candidates with interest in an advanced (PhD) degree are especially encouraged to apply. Minimum qualifications are graduation from a school of veterinary medicine and one year of internship or equivalent practice experience. Starting salary is \$34,752, plus benefits. Continuation to subsequent years is contingent upon satisfactory performance. Applicants should submit a statement of career goals, curriculum vitae, veterinary school transcripts, and 3 letters of recommendation to: Resident Affairs Coordinator, Room 2019, Veterinary Medical Teaching Hospital, University of California, Davis, CA 95616 (contact emfynn@ucdavis.edu with questions). Deadline for receipt of application materials is December 1, 2005. The University of California is an equal opportunity employer committed to a campus climate that supports equality and respect for differences based on gender, cultural ethnicity, disability, and sexual orientation.

Laboratory Head. Who we are: Headquartered in Basel, Switzerland, Roche is one of the world's leading research-focused healthcare groups in the fields of pharmaceuticals and diagnostics. As a supplier of innovative products and services for the early detection, prevention, diagnosis and treatment of disease, the Group contributes on a broad range of fronts to improving people's health and quality of life. Roche is a world leader in diagnostics, the leading supplier of medicines for cancer and transplantation and a market leader in virology. As part of the Pharma Research organisation in Basel, our Toxicology department is responsible for characterising and profiling the safety of new pharmaceutical products. The position: You will manage a modern laboratory for clinical pathology within the Toxicology department. Your primary responsibility will be to compile and interpret clinical pathological data as an integral component of in vivo toxicology studies. If desired, the role can also be expanded to include the planning, implementation, evaluation and documentation of in vivo safety tests. Some of

these are conducted according to good laboratory practice (GLP). You will also work closely with the scientists conducting studies and with colleagues in the pathology department, as well as with project toxicologists. Who you are: You should have a degree in veterinary medicine, medicine, biology or biochemistry and several years' experience in clinical pathology, preferably in animal toxicology, and you should be familiar with GLP. You are conscientious, self-reliant and pay careful attention to detail in your work, and can communicate effectively in English and German. Strong team skills, a high degree of flexibility and an ability to work under pressure are also required. Who to contact: If your experience and interests match the above profile and you would like to apply for this challenging position, please forward your application, with full supporting documentation, to: F. Hoffmann-La Roche Ltd, Dr Andrew Schmid, PSHB-4, building 52/205, P.O. Box, CH-4070 Basel, Switzerland; quoting reference: ASC9915 For further information, please contact Dr Georg Schmitt (phone: +41 61 688 75 76 or email: georg.schmitt@roche.com).

Orders for 2005 ASVCP Case Review Sets

The 2005 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 2005 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 30, 2005**. After September 30, 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.

2005 ASVCP Case Review Set Order Form

Please enclose a check or money order (United States dollars only) payable to ASVCP for \$65 for each set to be mailed within North America, or \$75 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 2005 Case Set (to be distributed in October) should be sent:

Name: _____

Address: _____

Date ordered: _____

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Signature: _____

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

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2810 Crossroads Drive, Ste. 3800
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