

August 2004



**47TH ANNUAL AAVLD/USAHA MEETING  
GREENSBORO, NORTH CAROLINA  
OCTOBER 21-27, 2004**

**BIOTERRORISM PREPAREDNESS IN THE  
BACTERIOLOGY LAB WORKSHOP  
OCTOBER 21, 2004**

**CL DAVIS NEUROLOGY AND NEUROMUSCULAR  
PATHOLOGY SYMPOSIUM  
OCTOBER 22, 2004**

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## 2004 Executive Board

President.....	Willie Reed
President-Elect.....	Gary Osweiler
Vice President.....	Donal O'Toole
Immed. Past President....	Terry McElwain
Secretary/Treasurer.....	Alex Ardans
North East.....	Alfonso Torres
South East.....	Ron Wilson
North Central.....	Neil Dyer
South Central.....	Melissa Libal
North West.....	Bill Layton
South West.....	Barbara Powers
Canada Provincial.....	Grant Maxie
Canada Federal, Ex-Officio.....	Shane Renwick
Ex-Officio, NVSL.....	Randall Levings

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## AAVLD PRESIDENT'S MESSAGE

Dear Colleagues:

It hardly seems possible that nearly 10 months have passed since I assumed the position of President of AAVLD, and that we are only two months away from our annual meeting in Greensboro, North Carolina. This past year has certainly been one of the highlights of my professional career, and it has been a privilege to serve in such an important leadership position. I have been amazed by the dedication of so many of our members, who have fully given of their time, talents, and energy in support of the AAVLD mission. The current and past officers, Executive Committee, Executive Board, and committee chairs have worked diligently throughout the year to accomplish the objectives that we established in October 2003, and I wish to thank each one for his/her dedication and service to our organization.

Since my last report to the membership in April, I and members of the Executive Committee and others, have continued to support our partnerships with USDA, USAHA, Homeland Security, CDC, and AVMA. Through our Memorandum of Understanding conference calls with NVSL, we have had an opportunity to provide input and recommendations on a number of animal health-related issues from a state diagnostic laboratory perspective. We provided input on criteria used to select seven state diagnostic laboratories to assist the five high throughput laboratories selected by the Secretary of Agriculture to perform BSE testing. We also provided input on AI and END surveillance plans. I have had the opportunity to represent AAVLD on the National Animal Health Laboratory Network's steering committee as a member of the selection committee for the new National Animal Health Laboratory Network (NAHLN) coordinator. Barbara Martin was selected to fill this key position. She has tremendous experience with NVSL and brings a wealth of talent to the position. We look forward to working with her in the future.

In the past few weeks, I have attended Food Emergency Response Network (FERN) and Laboratory Response Network (LRN) meetings and the OIE meeting in Paris. Attending the OIE meeting (now called the World Organization for Animal Health Meeting) as part of the U.S. delegation certainly provided me with a global perspective on the challenges in addressing animal health issues as they pertain to trade. Having AAVLD as part of the U.S. delegation signifies the strong partnership that has been forged with USDA over the years, thanks to the efforts of many past AAVLD officers. Some of the highlights of the OIE meeting included the following: (1) A new chapter is being developed on procedures for validating diagnostic tests and will be ready for discussion in 2005. (2) A new strategic plan for OIE to cover 2005-2010 will be developed soon. (3) Work continues on revision of a disease reporting system that will eliminate classification of diseases as either "List A" or "List B" diseases. (4) New chapters are in development on bluetongue and the use of paraprofessionals. Two excellent technical presentations were given, one on emerging and re-emerging zoonotic diseases by Dr. Lonnie King (U.S.) and one on animal identification and traceability by Dr. Luis Barco (Argentina). Both presentations led to passage of resolutions that recommend what role OIE should play in these important global issues.

Regarding NAHLN, as I reported in my April message, we were pleased to see that President Bush's fiscal year 2005 budget had \$30 million earmarked for plant and animal laboratory networks. Recently, we learned that the President's budget was modified by the House Appropriations Committee and reduced to \$18 million, and that the Senate Appropriations Committee is not likely to make any recommendations on the President's budget until after the election—if at all. Should this amount of funding remain, we are hopeful of USDA-CSREES's will be able to add more laboratories to the network of laboratories performing foreign animal disease diagnostic testing. One item of note is the decision by USDA-CSREES and USDA-APHIS to revise the definition of NAHLN to include all laboratories performing contractual testing for NVSL, which means that 37 states now have laboratories in the NAHLN because of contractual arrangements for CWD, scrapie, AI, END, or BSE testing. We expect APHIS and CSREES to send out letters of announcement and clarification of the definition change, as well as invitations to laboratories to participate in testing for specified foreign animal diseases and vesicular stomatitis that would be on a fee-for-service contractual basis without infrastructure funding.

Finally, I encourage you to attend our annual conference, to be held October 21-28 at the Sheraton Greensboro Hotel in Greensboro, North Carolina. Dr. Gary Osweiler (President-elect) and the Program Committee have developed an outstanding program. Abstract submissions were high again this year, requiring multiple concurrent sessions. Plenary sessions will focus on TSEs and animal surveillance systems. Committee agendas are included in this issue of the newsletter. I encourage you to attend meetings that are of interest to you and to become an active participant. A new committee, Strategic Planning, chaired by Dr. David Zeman, will convene for the first time. The current strategic plan will be reviewed to determine our progress in meeting stated objectives over the past few years and the need for updating the plan. If you are interested in serving on this committee, please let me know.

From all indications, Greensboro should be a great venue for our meeting, and I look forward to seeing you there. As always, I welcome your comments, suggestions, and concerns, so please contact me at any time.

Willie M. Reed, President / Phone (EST): 517-353-0635 / Email: reed@dcpah.msu.edu / Diagnostic Center for Population and Animal Health, P.O. Box 30076, Lansing, MI 48909-7576

## AAVLD EXECUTIVE BOARD MEETING

Saturday, July 24, 2004, 1:00 pm – 5:00 pm

Courtyard Marriott, Philadelphia, PA

**Present:** Willie Reed, Terry McElwain, Ron Wilson, Donal O'Toole, Bill Layton, Alex Ardans, Randall Levings, Gary Osweiler, Shane Renwick, Barbara Powers. **Guests:** Sharon Hietala, J. Lee Alley.

1. The meeting was called to order by Willie Reed at 1:20 PM.
2. **APPROVAL OF MINUTES:** Minutes of the February 17, 2004 Executive Board Meeting were reviewed, and approved.
3. **TREASURER'S REPORT:** Alex Ardans presented the report of the Treasurer as follows:

Checking Account Balance on Hand January 1, 2004:	\$260,130.12	
Total Administrative Operating Receipts	\$98,444.81	
Total Administrative Operating Expenses	(\$143,694.74)	
<b>ENDING BALANCE JUNE 30, 2004:</b>		<b>\$214,880.19</b>

Certificates of Deposit as of JUNE 30, 2004		
CD#000418518 (Maturity Date: January 14, 2005)	\$15,699.59	
CD#000475591 (Maturity Date: September 24, 2004)	\$14,657.46	
<b>TOTAL, CERTIFICATES OF DEPOSIT</b>		<b>\$30,357.05</b>

Mutual Fund, Edward D. Jones, as of JUNE 30, 2004		
Account #190876276                      New Perspective Fund	\$91,031.22	
Account #165939129                      Investment Co. of America	\$84,165.01	
<b>TOTAL, MUTUAL FUNDS</b>		<b>\$175,196.23</b>

**TOTAL ASSETS ON HAND- JUNE 30, 2004** **\$420,433.47**

Total paid active members as of 6/30/04: 1167  
Total paid subscribers as of 6/30/04: 227

Dr. Ardans announced that the JVDI account with the University of Missouri had been settled.

A motion to accept the treasurer's report was made (McElwain), seconded (Osweiler), and carried unanimously.

### 4. PRESIDENTS REPORT

Willie Reed reported that he attended the OIE meeting in Paris, France at the end of May on behalf of AAVLD. The first two days of the meeting went well, however Dr. Reed became ill and was unable to attend the last portion of the meeting. Dr. Reed noted that 139 of 167 member countries were present at the meetings. United States delegates included Peter Fernandez, Michael David, Rich Woeller and Alex Thiermann. Highlights included: 1) a new chapter for evaluating diagnostic tests; 2) working on a new strategic plan for 2005-2010; 3) working on a new list of diseases; 4) new chapters on Bluetongue and BSE; and 5) a presentation on animal identification including reports by OIE specialists. Dr. Reed emphasized the importance of AAVLD's continued participation as a part of the OIE delegation.

### 5. COMMITTEE REPORTS

#### A. Accreditation

Terry McElwain reported that the Accreditation Committee met Saturday, July 24<sup>th</sup> from 8 AM-12PM. Dr. McElwain acted as chair in the absence of Dr. Leon Thacker. The committee approved reports received on five laboratories. The committee has several additional site visits remaining for 2004. The committee was very pleased by the response of the accredited laboratories to the call for Quality Manuals and timelines for incorporation. Feedback will be provided to the laboratories by the October meeting and minor revisions will be made by January 1, 2005.

## B. Publications

- i. **JVDI** - No report
- ii. **Newsletter** - The deadline for publication of the next newsletter is the week of August 16<sup>th</sup>, 2004.
- iii. **Manuscripts** – No report
- iv. **Web Site** – No report

## C. Program Committee

Gary Osweiler announced that the topic for the Joint Session is Animal Disease Surveillance. Speakers include Alex Thiermann, Brian Evans and Lonnie King. The topic for the First Plenary Session is Transmissible Spongiform Encephalopathies and speakers will include Don Knowles, Angus Wear Juergen Richt, Tim Baszler and Beth Williams. Dr. Osweiler reported that there are 157 abstracts for the scientific sessions program with 24 requesting a poster, 22 that are willing to do a poster if they cannot do an oral presentation and 111 requesting an oral presentation. Currently there is only space for 44 posters in the exhibit hall, however if space can be made for 48 posters Dr. Osweiler will be able to accommodate everyone. There will be a total of 25 graduate student presentations including 17 oral presentations and 8 posters. Dr. Osweiler will make an effort to spread out the graduate student presentations so that it will be possible to attend all of them. Sponsors include Bio-Rad, Idexx and tentatively Cepheid.

## D. Canada Report:

Shane Renwick will be replacing Bill Yates who has resigned after nine years as the Canada Federal Representative on the AAVLD Executive Board.

Shane Renwick provided the following update:

1. New Minister of Agriculture. Prime Minister Paul Martin named Mr. Andrew Mitchell as Canada's new Minister of Agriculture and Agri-Food on July 20, 2004. Mr. Mitchell replaces Mr. Robert (Bob) Speller who was named Minister in December 2003 but was defeated in Canada's parliamentary election held on June 28, 2004. Mr. Mitchell, a Member of Parliament from Ontario, was formerly Secretary of State for Rural Development and most recently Minister of Indian Affairs and Northern Development. His professional background is in the financial industry.
2. Canadian Animal Health Laboratorians Network (CAHLN) Meeting 2004  
Animal health laboratory scientists in CAHLN held a successful third annual meeting from May 16-19, 2004 at the Ontario Veterinary College, University of Guelph. The meeting was attended by about 100 laboratorians from academia, government, and the private sector and featured keynote speakers and case presentations. Dr. Grant Maxie, Animal Health Laboratory, University of Guelph led the organizing committee. The theme was "Emergency Preparedness". Keynote speakers included Dr. Terry Wilson, USDA, on "Asymmetrical threats to agriculture – agroterrorism, biological crimes, and biowarfare targeting animal agriculture"; Dr. Harvey Artsob, Health Canada, on "Emerging/non-emerging arboviral diseases and the veterinary/public health interface"; Dr. Dorothee Bienzle, University of Guelph, on "New tools for the pathologist at the emerging disease front"; Dr. John Prescott, University of Guelph on "Murder, mayhem, and chaos: Changing bacteria in a changing world"; and Dr. Sharon Hietala, University of California, Davis, on "Exotic Newcastle Disease – laboratory response to a California animal health emergency." Over 30 scientific presentations were given including nine graduate student presentations. Awards were given for the best graduate student presentation and for the Canadian Laboratorian of the Year. The latter award was won by AAVLD member Dr. Ian Barker, Ontario Veterinary College, University of Guelph.
3. BSE. Canada commenced enhanced, targeted surveillance for BSE in January 2004 and plans to test 8,000 "high-risk" animals (dead, dying, disabled, downers) in 2004, ramping up to 30,000 per year over the next 5 years. The target is in keeping with OIE guidelines and would allow for the detection of 1 BSE-infected animal per million. As of mid-July, approximately 4500 animals had been tested (all negative). Samples are being tested by Western blot or ELISA rapid test kits in federal and provincial laboratories in the Canadian TSE Lab Network. Confirmation of any inconclusive samples will be done by immunohistochemistry (IHC) and histopathology at Canada's National BSE Reference Laboratory at the National Center for Foreign Animal Disease (NCFAD) in Winnipeg, Manitoba.
4. Avian Influenza  
The CFIA confirmed the presence of highly pathogenic avian influenza (HPAI) (H7N3/HP) in the Fraser Valley of Southern British Columbia on March 8, 2004. CFIA depopulated all premises (42 commercial and 11 backyard premises) on which HPAI was found

and those in the surrounding three kilometre areas– in all, some 19M birds on 600 farms. Depopulation was completed near the end of May. During the outbreak, laboratory testing took place at the NCFAD in Winnipeg with samples transported daily by charter aircraft from the Fraser Valley. Some pre-slaughter screening of flocks using the AI matrix RT-PCR was undertaken at the BC Ministry of Agriculture and Food Laboratory in Abbotsford BC, following transfer of the test from the NCFAD early in the outbreak. The recovery phase included a decontamination program led by industry and increased surveillance throughout the control area.

As of July 9- 21 days since the final infected premises was satisfactorily cleaned and disinfected- all premises have been eligible to begin restocking. Some movement controls still apply to premises in the control zone. Previously infected premises will remain under quarantine but may restock with appropriate testing. Restocking is taking place in a sequential manner to ensure that future supplies of birds can be managed.

#### 5. Canadian Public Health Agency

The newly announced Agency will have a national leadership role similar to Centres for Disease Control in the US. It will have its headquarters at the Science Centre for Human and Animal Health (CSCHAH) in Winnipeg, which houses the Level 3 and 4 laboratories of Health Canada and the Canadian Food Inspection Agency. Active recruitment for a permanent Chief Public Health Officer to head the Agency is underway. The acting chief is Dr. Frank Plummer, Director of the National Microbiology Laboratory of Health Canada, CSCHAH. Locating the Agency headquarters at CSCHAH is expected to further opportunities for collaboration on zoonotic disease research.”

#### **E. Membership**

Donal O’Toole reported that AAVLD currently has 1167 paid members and 227 paid subscribers.

#### **F. Credentials**

Donal O’Toole reported that the House of Delegates credentials have not been completed, but are due by August 6<sup>th</sup>.

#### **G. Foundation**

Barbara Powers reported that a second call for donations was sent out to the membership via email. Dr. Powers needs to meet with Secretary/Treasurer, Alex Ardans, to discuss donations received so far this year.

#### **H. NVSL Report:** Randall Levings, Director of NVSL provided the following update:

Brucella serology proficiency testing has been completed and NVSL will notify labs soon of any needed retests. There is a new fecal Johne’s proficiency test and reporting was supposed to be done using the web reporting tool, however it is not working properly so results are being faxed. Kits have been sent out for TB tests. The north Washington AI incident command post was shut down.

BSE: The Secretary of Agriculture testified on July 15<sup>th</sup> at the joint congressional hearing. Seven state laboratories and NVSL are being utilized for testing and the 20,000-sample mark was hit July 17<sup>th</sup>. Testing is not yet up to full speed, but is ahead of schedule. NVSL was given two months to get testing up and running. The OIG report hit on whether or not rabies negative brains were being sent to NVSL for BSE testing. A draft release of the report was leaked to the press. The Ag Marketing Service will do an internal audit of APHIS and consult with OIG on the BSE process.

Budget: The House passed the USDA budget, but it has not been taken up by the Senate committee. The House cut the APHIS budget for the NAHLN, however, there was a \$3M increase over the FY04 CSREES budget for the NAHLN, which would raise it to \$18M for the combined plant and animal networks. Emergency management, low path AI and Scrapie all received increases while the budgets for Johne’s and Brucellosis both decreased.

Master Plan: The BSL-3 facility and large animal housing is scheduled for completion in 2006. The BSL-2 facility is scheduled for completion in 2007. The BSL-3 space will be sufficient for current high containment needs, however if additional space needs should arise ARS space can be used. The new digester is up and running and a clean batch of sheep will be processed.

#### **I. Nominations**

Terry McElwain reported that the Nominating committee is currently working on selecting nominees for the office of Vice President. Also up for election are the representatives for the North Central and South Central regions.

Alex Ardans noted that the Nominating Committee rotation does not include Canada (Region 7) and that a change to the Bylaws should be made to include Canada on the Nominating Committee every other year.

#### **J. Awards**

Terry McElwain reported that eleven suggestions for the Pope Award have been received, including two members that have already received the award. Lifetime membership nominees are Don Mattson (OR), John Cole (GA), Bill Edwards (OK) and Alex Ardans (CA). The board unanimously approved the nominees for Lifetime membership. The winner of the JVDI Manuscript Award was selected. Awardees for the Trainee Travel Awards were selected and notified, and monetary awards were dispersed. One Pathology Trainee Travel Award and two general Trainee Travel Awards were given.

#### **K. MOU Working Group Report**

Terry McElwain reported that END and AI surveillance will be discussed on the MOU conference calls. Dr. McElwain noted that AAVLD may want to use this group's time to do some strategic planning. This will be added as an agenda item for the next call.

### **6. OLD BUSINESS**

#### **A. Network Updates**

##### **i. NAHLN**

Terry McElwain reported that there has been a redefinition of the NAHLN by CSREES and APHIS. The NAHLN will now include, in addition to the previously funded CSREES NAHLN labs, all TSE and AI/END laboratories working with USDA on a contractual basis. This includes almost all AAVLD accredited laboratories, which includes 37 states and 42 laboratories. In addition, laboratories that meet criteria and policy requirements will be eligible for approval as foreign animal disease testing labs on a fee-for-service only basis with no CSREES infrastructure funding; staff training and proficiency testing would be available. The question was raised regarding whether non-accredited laboratories should be included in the NAHLN. The involvement of AAVLD in the evaluation of non-accredited laboratories for inclusion in the NAHLN was discussed. The Accreditation Committee briefly discussed the topic at their meeting and expressed that they did not want to be involved in evaluating these laboratories. There has been an inquiry from the Canadian laboratory in Winnipeg about joining the NAHLN. Dr. Levings and Dr. Paul Kitching are developing a proposal. A meeting of all NAHLN laboratory directors, chaired by the NAHLN Coordinator will be held at the October meeting in Greensboro, NC on Thursday, October 21<sup>st</sup> from 7-9 PM. The Steering Committee will meet prior to the laboratory directors meeting. The agenda will include polling the laboratory directors for the most convenient location and time for the next meeting. T House budget has \$18 M for the animal and plant networks, which is a \$3M increase over FY04.

Randall Levings reported that there is a two-page NAHLN white paper that has been prepared for Science and Technology. He also noted that the BSE Surveillance Plan included funds for development of a reporting tool, which is undergoing modifications.

##### **ii. LRN**

Terry McElwain reported that he and Willie Reed will attend the LRN Partners Working Group Meeting on August 6<sup>th</sup>. There is a possibility that there will be funding specifically designated for veterinary laboratories for 2005.

##### **iii. FERN**

Willie Reed reported that the FERN Steering Committee will meet in September.

#### **B. AI and END Surveillance**

Randall Levings reported that NVSL is not receiving as many samples as they had hoped. Dr. Levings noted that communication has been a problem and there seems to be an issue with sample collection.

#### **C. Electronic Registration for AAVLD/USAHA Annual Meeting**

Alex Ardans reported that electronic registration for the annual meeting is up and running on the USAHA web site and there is an area to designate membership.

#### **D. Liaison Updates**

##### **i. ACVP**

Terry McElwain reported that ACVP is trying to reach out to diagnostic pathologists and would like to have a liaison on the AAVLD Laboratory Safety and Waste Disposal Committee. AAVLD would accept a liaison from ACVP, but the liaison would also have to be a member of AAVLD.

## 7. NEW BUSINESS

### A. Food and Agriculture Advisory Council

A representative from AVMA, Dr. Lyle Vogel, spoke to the board regarding a new Food and Agriculture Advisory Council made up of industry members involved in agriculture. The council is made up of representatives from seven sub-councils. These sub-councils include producers of plants, and animals, retail, food service, transport and service. The animal producers sub-council held its first meeting June 22<sup>nd</sup> to discuss membership and strategic goals. Members include animal owners and operators of farms. The sub-council has two representatives to the Advisory Council, Audrey Adamson (NPPC-pork) and Gary Weber (NCBA-beef). The sub-committee also has affiliated members that include groups that provide services to owners and operators. AVMA is an affiliate member of the sub-council and Dr. Vogel is the acting AVMA liaison. Any organization is welcome to apply for affiliate membership and those interested should contact Audrey Adamson at adamsona@nppc.org. The sub-council meets once per month to decide priorities and members should be willing to travel to these monthly meetings. The council will provide comments on documents such as the national infrastructure protection plan and emergency response plans to be released July 26<sup>th</sup> by Homeland Security. The disaster response plan and emergency support functions for HSPD-11 combine agriculture and natural resources and also include animal disease. They will also work to add animals to the emergency response plan for HSPD-8 for housing of displaced animals.

A government council was also created. This council includes members from many agencies including EPA, FDA, USDA, representatives from States and Livestock Health Officials. The National Animal Health Emergency Management Steering Committee (NAHEMSC) will still be maintained and supported. The involvement of AAVLD as an affiliate member on the sub-council was discussed. AAVLD will pursue membership. Pat Blanchard, AAVLD representative on the NAHEMSC, will be asked to serve as the AAVLD liaison to the sub-council.

### B. USDA National Animal Health Surveillance Program Steering Committee

Randall Levings announced that USDA has set up a National Surveillance Unit and created a NSU Steering Committee. Four CEAH positions have moved into the unit and four additional personnel will be added. The committee will work on building an inventory of surveillance testing and perform a gap analysis. Sharon Hietala and Francois Elvinger will serve as AAVLD representatives on the 14-member Steering Committee. Sharon Hietala read the names of the members and asked the board how they would like to be represented on the committee. Requests from the board included: 1) Determine how to get samples for END surveillance; 2) Allow distribution of minutes; 3) Send out agenda items for monthly calls; and 4) Make recommendations to AAVLD on issues/action items. There was a suggestion that the NAHLN Coordinator should serve as the representative for the NAHLN on the Steering Committee.

### C. Receptions/Meals by Outside Groups During the AAVLD/USAHA Conference and other USAHA issues

Dr. J. Lee Alley, Secretary of USAHA, reported that plans for the Greensboro, NC meeting are coming along well. Registration is now available online and 20-30 people have already used the new method of registration. Dr. Alley reported that USAHA is concerned about outside events hosted by companies taking away from those companies' interest in sponsoring the meeting. USAHA would like to discourage these outside events in favor of sponsorship of the meeting. It was noted that there is benefit to both the company and the attendees to having separate events for the companies. The possibility of requiring companies to host their events through the meeting organizers and to pay a surcharge on the event was discussed. Dr. Alley also expressed an interest in having the exhibitors stay through the USAHA part of the meeting rather than closing down on Monday. He suggested the possibility of having two options for exhibitors with two separate fees. Vendors could choose to exhibit for the AAVLD portion of the meeting only or for both the AAVLD and USAHA portions.

Sleeping arrangements for the Greensboro meeting were set four years ago and were made for only 650 people. Attendance at the San Diego meeting was 1100. If meeting attendance is equivalent to that seen in San Diego there may be a shortage of sleeping rooms. The Greensboro Sheraton has a sister hotel one block away from where the meetings will be held that could be used for any overflow. Dr. Alley also noted that registration fees for the meeting have not been raised in the past four years and would like AAVLD to consider the need to raise registration fees due to increased costs associated with running the meeting. USAHA would like to have the sponsorship, exhibitor and registration fee issues resolved for the 2005 meeting in Hershey, PA.

Dr. Alley requested that Gary Osweiler, AAVLD Program Chair, send information to USAHA on the AAVLD Plenary and Scientific sessions for inclusion in the USAHA newsletter.



#### **D. AAVLD Mailing List Rental**

Alex Ardans reported that the Secretary/Treasurer's office would like a process for approval of the sale of the AAVLD membership mailing list. All requests for use of the list will be circulated to the Executive Committee for approval.

#### **E. Restructure of Sponsorship Guidelines**

Alex Ardans circulated the document used by ACVP to promote sponsorship opportunities to the Board. He suggested that AAVLD develop guidelines similar to those used by ACVP. The Foundation Committee will discuss these guidelines at the October meeting. Drs. Donal O'Toole, Barbara Powers and Alex Ardans will work together to create a similar document with a breakdown of AAVLD sponsorship opportunities.

#### **F. Other**

##### **i. JVDI Electronic Availability**

Donal O'Toole suggested that JVDI issues should be made available through PubMed Central so that the journal remains available to the public.

### **8. NEXT MEETING**

The next meeting of the Executive Board will be held Friday, October 22 from 1:00-5:00 PM in conjunction with the annual AAVLD/USAHA meeting.

Meeting was adjourned at 5:34 PM

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## **NCCLS - NEW RELEASES M31-S1**

### **Newly Published NCCLS Supplement**

Performance Standards for Antimicrobial Disk and Dilution Susceptibility Tests for Bacteria Isolated from Animals; Informational Supplement

NCCLS document **M31-S1** is an informational supplement for global application updated by the Subcommittee on Veterinary Antimicrobial Susceptibility Testing

Find the most current information on susceptibility testing methods and quality control recommendations in this newly published supplement. Evaluate the most current information for testing antibiotics with veterinary-specific interpretive criteria and detection of resistance phenotypes.

The supplemental information presented in this document is intended for use with the antimicrobial disk and dilution testing procedures published in the NCCLS-approved standard M31-A2.

**For additional information or to place an order please call 1.877.447.1888**

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## **FUTURE MEETINGS**

August 25, 2004: **Annual meeting of the International Society of Veterinary Dermatopathology** will be held in conjunction with the 5th World Congress of Veterinary Dermatology (August 25th-28th) in Vienna, Austria. Information regarding membership and goals of the ISVD, and program details, can be obtained at the website <http://www.isvd.org>. Meeting registration information can be obtained from the website at <http://www.vetdermvienna.com/>. During the World congress ISVD will organize two slide seminars. One will be held for advanced clinicians, the other for pathologists."

October 15-16, 2004: **37th annual Western Conference of Veterinary Diagnostic Pathologists** will be held in the Delta Bessborough Hotel ('Castle on the River') in Saskatoon, Saskatchewan. This is a case-based conference with a theme of nervous system pathology. Dr. Donald Montgomery will moderate and give a seminar on 'Periventricular leukomalacia revisited: The disease in humans, animal models, and natural occurrence in animals' Thursday, October 14, 2004, at Western College of Veterinary Medicine. For more information contact: Andy Allen ([andrew.allen@usask.ca](mailto:andrew.allen@usask.ca)), Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan, 306-966-7294.

November 13-17, 2003, **55th Annual meeting of the American College of Veterinary Pathologists and 39th Annual Meeting of the American Society for Veterinary Clinical Pathology** at Disney's Coronado Springs Resort, Orlando, Florida. For more information see: ACVP Website: <http://www.acvp.org/meeting/>

# USAHA/AAVLD Registration

Please Print – Check All Spaces Applicable

- Dr.   
 Mr.   
 Ms.

Last Name	First Name	Initial	Hotel
Address	City	State	Zip

Please Print Clearly

**PLEASE CHECK APPLICABLE BOXES**

- U.S.A.H.A. Member   
 A.A.V.L.D. Member   
 NON-Member   
 Program Speaker

**Please Remit To:**

U.S. Animal Health Association  
 P. O. Box K227  
 Richmond, VA 23288  
 Fax: 804-285-3367

Preregistration Deadline – **October 4, 2004**

Preregistration (Members)	\$200.00	\$	
Preregistration (Non-Members)	\$350.00	\$	
Pre-registration (Life Member)*	\$100.00	\$	
Spouses Registration	\$ 50.00	\$	
Registration At Meeting (Members)	\$250.00	\$	
Registration At Meeting (Non-Members)	\$350.00	\$	
Registration At Meeting (Life Member) *	\$125.00	\$	
U.S.A.H.A. Annual Dues – 2005	\$100.00	\$	
A.A.V.L.D. Annual Dues – 2005	\$ 75.00	\$	
A.A.V.L.D. Graduate Student Registration	\$100.00	\$	
A.A.V.L.D. Graduate Student Dues - 2005	\$ 25.00	\$	
<b>Total</b>		<b>\$</b>	

**Office Use Only:**

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

Check No: \_\_\_\_\_

Amount: \_\_\_\_\_

You can register online at [www.usaha.org](http://www.usaha.org)  
 USAHA'S Federal ID No: #21-6008168

**PAYMENT METHOD:**

Enclose your personal check, money order, or credit card information as indicated below: Please make checks payable to USAHA. Credit card payments will be processed by AAVLD.

- Check  
 Money order  
 Master card  
 Visa

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**REFUND POLICY**

\$25 will be withheld for processing if notified before the meeting.  
 \$25 processing fee plus \$30 for Presidents Reception will be withheld if notified after the meeting.  
 Everyone must notify USAHA within 7 days following the meeting for a refund

**Spouse's Registration**

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

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

**OFFICIAL HOUSING FORM**

Group Name		USAHA / AAVLD	
Event Beginning Date	10/20/04	Event Ending Date	10/28/04
		Reservation Deadline Date	09/15/04

REGARDLESS OF THE NUMBER OF OCCUPANTS, SEND ONLY ONE COPY PER ROOM  
**A change in departure date must be advised no later than check-in to avoid an early departure fee.**



**Sheraton Greensboro**  
 H O T E L  
 AT FOUR SEASONS

PLEASE MAIL OR FAX DIRECTLY TO:

**SHERATON GREENSBORO HOTEL AT FOUR SEASONS**  
 3121 HIGH POINT RD GREENSBORO, NC 27407 FAX: 336 323-4876  
 Phone: 800/242-6556 – Online: [www.KouryCenter.com](http://www.KouryCenter.com) Code # USJ20A

# Persons	Room Rate	Tax	Nightly Total
ONE PERSON	122.00	15.86	137.86
TWO PERSONS	122.00	15.86	137.86
THREE PERSONS	122.00	15.86	137.86
FOUR PERSONS	122.00	15.86	137.86
CLUB KING	160.00	20.80	180.80

Your Arrival Date	Your Departure Date
CHECK IN TIME IS <b>3PM</b>	CHECK OUT TIME IS <b>12 NOON</b>

PLEASE CHECK PREFERRED ACCOMMODATIONS  
 ALL ROOM TYPES ARE BASED ON AVAILABILITY

2 DOUBLE BEDS  
 1 KING SIZE BED  
 CLUB KING

NON-SMOKING  
 SMOKING

PLEASE CLEARLY WRITE ADDITIONAL OCCUPANTS NAMES

Name	Company	St	Zip	Phone
Address	City			

**SPECIAL NOTE:**

ALL ROOMS REQUIRE A CREDIT CARD GUARANTEE OR THE FIRST NIGHT DEPOSIT, INCLUDING TAX  
 PLEASE MAKE CHECKS OR MONEY ORDER PAYABLE TO: SHERATON GREENSBORO HOTEL

AMERICAN EXPRESS     DINERS CLUB OR CARTE BLANCHE     JCB CARD     VISA OR MASTERCARD     DISCOVER     CHECK # \_\_\_\_\_

Card Number	Exp. Date	Deposit Amt.
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\*\*\*ALL NUMBERS ON THE CARD MUST BE INCLUDED AS WELL AS EXPIRATION DATE\*\*\*

CARDHOLDER SIGNATURE \_\_\_\_\_

**RESERVATION CANNOT BE PROCESSED WITHOUT THE CARDHOLDER SIGNATURE**

ACCOMMODATIONS MUST BE GUARANTEED BY CREDIT CARD OR BY CHECK MADE PAYABLE IN THE AMOUNT OF ONE NIGHTS LODGING PLUS TAX. UNLESS RESERVATIONS ARE CANCELLED 72 HOURS PRIOR TO ARRIVAL DATE, YOU WILL BE CHARGED FOR THE FIRST NIGHT. ANY MULTIPLE OCCUPANCY ROOM, UNLESS OTHERWISE INDICATED, WILL HAVE ALL DEPOSITS EQUALLY DISTRIBUTED TO ALL ROOM OCCUPANTS. ROLLAWAY BED REQUESTS ARE BASED ON AVAILABILITY AT \$10.00 PER NIGHT.

## CL DAVIS SYMPOSIUM

### CL Davis Symposium: Diagnostic Neuropathology and Neuromuscular Pathology

October 22, 2004, Friday, 8am- 5:30pm

Sheraton Greensboro Hotel, Greensboro, North Carolina

The Charles Louis Davis DVM Foundation will be conducting an eight-hour continuing education symposium entitled "Diagnostic Neuropathology and Neuromuscular Pathology" on October 22, 2004. Course Director Matti Kiupel (Michigan State University) and invited guest lecturers Brian Summers (Cornell University), Thomas Van Winkle (University of Pennsylvania), and Beth Valentine (Oregon State University). Topics that will be covered include diagnostic neuropathology and neuromuscular pathology particularly neurology for the pathologist, the handling of nerve and muscle tissue for diagnostic pathology and how to avoid common errors in neuropathology, spinal cord and brain lesions in dogs and cats, including tumors and infectious diseases, and mucocutaneous neuropathology. Didactic lectures will be combined with audience participation to result in an engrossing day-long seminar. CL Davis is an approved CE provider. Don't miss out on what promises to be another exciting C.L. Davis/AAVLD co-sponsored symposium.

**Tuition of \$125 includes refreshments, CD of presentations and continuing education credits. The tuition fee will be waived for the winners of the travel award. Please Pre-register to guarantee receipt of materials. Registration is through CL Davis and is separate from meeting registration fees. Additional information and registration materials are available at the CL Davis Foundation Web site: <http://www.afip.org/CLDavis> or call 847-367-4359.**

Introduction, announcements	Kiupel	08.00 – 08.10
Neurology for diagnostic pathologists	Summers	08.10 – 09.00
Avoiding common errors in neuropathology	Summers	09.00 – 10.00
Break	15 min	10.00 – 10.15
Spinal cord lesions in cats (they are not just small dogs)	Van Winkle	10.15 – 11.00
Brain tumors in cats and dogs (what is common and what is not)	Van Winkle	11.00 – 12.00
Lunch	1 hour	12.00 – 13.00
Nerve and Muscle: Handling and general reactions	Valentine	13:00 - 14:00
Nerve and muscle disease in animals I	Valentine	14:00 - 15:00
Break	15 min	15.00 – 15.15
Mucocutaneous neuropathology	Summers	15:15 - 16:00
Encephalitis in dogs (infectious and idiopathic)	Van Winkle	16:00 - 16:30
Nerve and muscle disease in animals II	Valentine	16:30 - 17:00
Time for Discussion	15 –30 min	17.00 – 17.30

### APPLICATION FORM FOR: Diagnostic Neuropathology and Neuromuscular Pathology Symposium

October 22, 2004 at Sheraton Greensboro, NC

Without exception, each person attending this symposium must submit an application form. I hereby apply for enrollment in the Symposium on Diagnostic Reproductive Pathology and agree to hold The C. L. Davis, DVM Foundation, its officers and faculty and the co-sponsor, Pfizer Animal Health, and the AAVLD, free of any loss or complaint which may arise from their conduct of the aforementioned program, or any action any one of them may take in relation to this application. "This course meets the requirements for 8 hours of continuing education credit in jurisdictions which recognize AAVSB's RACE approval; however participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call Dr. James Britt, 501-907-2435 for further information"

DATE: \_\_\_\_\_ SIGNATURE OF APPLICANT: \_\_\_\_\_

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

(Block print your name as you want it to appear on your certification.)

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

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail address: \_\_\_\_\_ Total amount enclosed: \_\_\_\_\_

(Please make checks payable to C.L. Davis Foundation or circle the credit card and indicate the card number and expiration date below:  
DISCOVER; VISA; MASTER CARD; AMEX EXPRESS

Card # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Send your application to: The Charles Louis Davis Foundation, 6245 Formoor Lane, Gurnee, IL 60031-4757 USA, Telephone: 847-367-4359, Fax 847-247-1869, Email: [CLDavisDVM@ameritech.net](mailto:CLDavisDVM@ameritech.net)

## BACTERIOLOGY WORKSHOP

### A Plan of Action: Biological Terrorism Preparedness for Veterinary Bacteriology Laboratories

AAVLD Pre-meeting Symposium and Workshop

Thursday October 21, 2004, 8:30am-4:30pm

Sheraton Greensboro Hotel, Greensboro, NC

Co-sponsored by the National Laboratory Training Network

Moderator: Dr. Glenn Songer, University of Arizona

#### **Morning Symposium**

Opening comments: Glenn Songer

Overview of Biological Terrorism and the potential impact on Veterinary Diagnostic Laboratories: Bruce Akey, New York Assistant State Veterinarian/Assistant Director, past president of AAVLD

Agricultural Bioterrorism and Protection Act of 2002 and guidance to Veterinary Diagnostic Laboratories for reporting bacterial select agents: Lee Ann Thomas, USDA, National Center for Import and Export

Formation of the National Animal Health Laboratory Network and Plans for Expansion: Randall Levings, USDA, Head of NAHLN (or Barbara Martin, NAHLN Coordinator)

Public Health Security and Bioterrorism Preparedness and Response Act of 2002, as it effects veterinary laboratories and guidance for reporting bacterial select agents: Tracee Treadwell, CDC, Veterinary Epidemiologist

Plans for inclusion of Veterinary Diagnostic Laboratories in the Laboratory Response Network: Richard Kellogg, CDC, LRN Coordinator

Coordination of Efforts: AAVLD, CDC, and USDA: Terry McElwain, Washington State University and immediate past-president of AAVLD

#### **Afternoon Workshop**

Laboratory isolation and identification of the bacterial select agents (*B. anthracis*, *F. tularensis*, *Y. pestis*, brucellae): Harvey Holmes, CDC, Clinical and Veterinary Microbiologist

Rapid Diagnostic Assays for bacterial select agents: Richard Meyer, CDC, Director of the Bioterrorism Rapid and Advanced Technology Laboratory

Packaging and Shipment of Bacterial Agents: Loretta Gjeltrema, CDC/NLTN liason

#### **Program description:**

This program will focus on the practical methods which veterinary diagnostic laboratories can use to remain alert for the bacterial agents of biological terrorism. Participants will learn about regulations, surveillance, existing laboratory networks, and interagency coordination efforts. The evaluation and confirmatory procedures which can be integrated into the routine work of the bacteriology laboratory will be discussed, as will current packaging and shipping requirements.

Tuition of \$45 includes refreshments, lunch, CD of presentations, and Bioterrorism Response Guide for Clinical Laboratories.

Class size will be limited to 38 participants. The registration deadline is 2 weeks prior to the course. Registration will be handled by the National Laboratory Training Network, Nashville TN Office. Forms will be available soon. Please contact Karen Post at 919-733-3986 or [Karen.post@ncmail.net](mailto:Karen.post@ncmail.net) for further information.

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## GREENSBORO AREA INFORMATION AND HOTEL AMENITIES

**Airport transport:** The Sheraton Greensboro at 4-Season provides free airport shuttle service for guests registered under USAHA/AAVLD as part of the contract. Please remind the hotel the service is included with our conference.

**Things to do and see:** The hotel has a live band six days/week with dance facility on site at the Club Fifth Seasons and indoor/outdoor pool, health club, raquetball/handball courts, sauna and whirlpools on site. For more information on hotel amenities and location see: <http://www.kourycenter.com/>.

The hotel and convention center is located next door to the Four Seasons Town Centre (1.3 million sq. ft shopping mall).

For additional links to area attractions see: <http://www.kourycenter.com/dining/areasites.html>

For statewide information consult: [http://www.visitnc.com/index\\_home.asp](http://www.visitnc.com/index_home.asp)

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## DIAGNOSTIC BACTERIOLOGY CASE PRESENTATIONS

Saturday, October 23, 2004, Greensboro, North Carolina, 3:30-6:00 pm

Come and join an interesting and informative discussion group. We need your case presentations in order to make this gathering a success. All presentations are informal - yours will be welcome! Send title of presentation to Dr. Karen Post at [karen.post@ncmail.net](mailto:karen.post@ncmail.net) or phone 919-733-3986 or fax 919-733-0454 by September 1, 2004.

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## HISTOPATHOLOGY SLIDE SEMINAR

Saturday, October 23, 2004, Greensboro, North Carolina, 3:30? 6:30 pm., Auditorium II

Short, interesting, and educational cases will be presented at the Saturday Histopathology Slide Seminar. Presentations are 5 minutes in length, with another 3 minutes for discussion. A copy of abstracts will be available at the seminar, and posted on the AAVLD website.

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August 12, 2004

## TENTATIVE AGENDA

### 108<sup>TH</sup> ANNUAL MEETING OF THE UNITED STATES ANIMAL HEALTH ASSOCIATION

and

### 47<sup>TH</sup> ANNUAL CONFERENCE OF THE AMERICAN ASSOCIATION OF VETERINARY LABORATORY DIAGNOSTICIANS

#### USAHA/AAVLD Daily Schedule

Greensboro, North Carolina  
October 21-27, 2004

#### ANNOUNCEMENTS

USAHA/AAVLD HEADQUARTERS HOTEL – The Sheraton Greensboro Hotel, Telephone number: 336/292-9161, 1-800-242-6556 for reservations or you can make your reservations online at [www.KouryCenter.com](http://www.KouryCenter.com) and the Attendee Code is USJ20A.

#### USAHA/AAVLD REGISTRATION

Registration Deck 5 & 6 First Floor

Thursday, October 21 – 12:00noon-5:00pm	Monday, October 25 - 8:00am-5:00pm
Friday, October 22 - 8:00am-5:00pm	Tuesday, October 26 - 8:00am-5:00pm
Saturday, October 23 - 8:00am-5:00pm	Wednesday, October 27 - 8:00am-5:00pm
Sunday, October 24 - 8:00am-5:00p	

#### REGISTRATION FEES

Member's Pre-registration Fee: \$200.00  
Non-Members Pre-registration Fee: \$350.00  
Member's Registration Fee at Meeting: \$250.00  
One Day Registration Fee: \$150.00  
Two Day Registration Fee: \$200.00  
Life Member Pre-registration Fee\*: \$100.00  
Life Member Registration Fee at Meeting\*: \$125.00  
Non-Members Registration Fee at Meeting: \$350.00  
Spouse's Registration Fee: \$50.00  
USAHA Annual Dues - 2004: \$100.00  
AAVLD Annual Dues – 2004: \$75.00  
AAVLD Graduate Student/Residents Registration 2004 - \$100.00  
AAVLD Graduate Student/Resident Dues 2004 - \$25.00

**You can register on line at [www.usaha.org](http://www.usaha.org)**

Please register early. Wear your badge when attending all meetings. (You must have a badge in order to attend the meetings.)

#### AAVLD EXHIBITS/POSTERS

Guilford Prefunction Area – 3<sup>rd</sup> Floor  
Saturday, October 23 – 12:00noon-5:00pm  
Sunday, October 24 – 8:00am-3:30pm  
Monday, October 25 – 8:00am-1:00pm

#### BULLETIN BOARD

The Bulletin Board will be located at Registration Desk 5 & 6 on the first floor. Please check the bulletin board often for last minute changes in program, time and location of committee meetings, personal messages, telephone calls and faxes.

#### USAHA WORK ROOM

Located in the Carolina Room and will be open Thursday through Wednesday, 8:00AM-5:00PM.

#### PRESS ROOM and COMMITTEE REPORT READING ROOM

Located in the Cardinal Room. Larry Mark will be in charge of the Press Room. There will be an area set aside to read committee report.

#### SPEAKER READY ROOM

Cardinal Room  
Friday – 12:00noon-5:00pm  
Saturday – 7:00am-5:pm  
Sunday – 7:00am-5:00pm  
Monday – 7:00am –12:00noon

#### USDA, APHIS WORK ROOM

Edinburgh Room – Friday-Thursday.

## DAILY EVENTS

### WEDNESDAY – OCTOBER 20, 2004

AAVLD VADS Working Group – 8:00am-5:00pm; Colony A.

### THURSDAY – OCTOBER 21, 2004

AAVLD VADS Working Group – 8:00am-5:00pm; Auditorium I.

Johne's Working Group – 8:00am-9:00pm; Auditorium II.

AAVLD Symposium on: **-Biological Terrorism Preparedness for Veterinary Bacteriology laboratories: A Plan for Action** – 8:00am-5:00pm; Maple.

National Milk Producers Federation – 12:00noon-9:00pm; Pinehurst.

AAVLD Accreditation Committee – 1:00-6:00pm; Bear Creek.

AAVLD – Strategic Planning Committee – 3:00-5:00pm; Arrowhead.

AAVLD – NAHLN Steering Committee – 6:00-7:00pm; Bear Creek.

AAVLD Food Safety Committee – 6:30-8:30pm; Colony A.

AAVLD - VetLIMS Users Group – 7:00-10:00pm; Edinburgh.

AAVLD – Directors of Pilot National Animal Health Laboratory Network – 7:00-9:00pm; Colony B/C.

### FRIDAY – OCTOBER 22, 2004

AAVLD Financial Advisory Committee - 7:00-8:00am; Oyster Bay.

AAVLD CL Davis Diagnostic Neurologic and Neuromuscular Pathology – 8:00am-5:30pm; Auditorium II.

AAVLD Subcommittee on Bacteriology and Mycology - 8:00am-12:00noon; Grandover East.

AAVLD Approved Methods Committee – 8:00-10:00am; Victoria C.

AAVLD Publications Committee – 8:00-10:00am; Oyster Bay.

AAVLD Accreditation Committee - 8:00am-12:00noon; Bear Creek.

Johne's Working Group – 8:00am-6:00pm; Grandover West.

Holstein Association – 8:00am-4:00pm; Torrey Pines.

AAVLD Emergency Preparedness Committee – 9:00-10:00am – Pebble Beach.

AAVLD Epidemiology Committee – 10:00am-12:00noon; Victoria B.

USAHA Executive Committee - 12:00noon-5:00pm; Old North.

AAVLD Quality Assurance Committee – 1:00-3:00pm; Arrowhead.

AAVLD Virology Committee - 1:00-4:00pm; Auditorium III.

AAVLD Subcommittee on Antimicrobial Susceptibility Testing - 1:00-3:00pm; Grandover East.

AAVLD Executive Board - 1:00-5:00pm; Victoria C.

American Board of Veterinary Toxicology (ABVT) Executive Board – 1:00-2:00pm; Bear Creek.

AAVLD Informatics Committee - 1:00-3:00pm; Tidewater.

American Academy of Veterinary and Comparative Toxicology (AAVCT) Annual Meeting – 2:00-3:00pm; Augusta.

AAVCT – Veterinary Toxicology Case Presentations – 3:00-4:30pm; Augusta.

AAVLD Enteric Diseases Committee – 3:00-5:00pm; Grandover East.

NAHLN Information Technology Committee – 3:00-5:00pm, Tidewater.

AAVLD Serology Committee - 4:00-6:00pm; Victoria B.

AAVLD Editorial Board of Journal of Veterinary Diagnostic Investigation(JVDI) – 4:00-6:00pm; St. Andrews.

AAVLD Constitution and Bylaws Committee – 5:00-6:00pm; Oyster Bay.

AAVLD New Member Orientation –5:15-6:00pm; Arrowhead.

AAVLD President's Reception for AAVLD members – 6:00-8:00pm; Victoria A.

BD Diagnostic Systems Dinner — by invitation only - 7:00-9:00pm; Pebble Beach.

AAVLD Foundation Committee – 8:00-9:00pm; Riverdale.

### SATURDAY – OCTOBER 23, 2004

National Animal Health Emergency Management Steering Committee – 8:00am-5:00pm; Augusta.

AAVLD – 1st Plenary Scientific Session on Transmissible Spongiform Encephalopathies – 8:00-11:15am; Guilford B.

AAVLD House of Delegates and General Membership – 11:15am-12:00noon; Guilford B.

AAVLD Exhibits and Poster Session - 12:00noon-5:00pm; Guilford Prefunction Area 3<sup>rd</sup> Floor.

National Assembly of State Animal Health Officials Meeting & Luncheon - 12:00noon-6:00pm; Victoria A.

AAVLD – Transmissible Spongiform Encephalopathy/Virology Scientific Session – 1:00-3:00pm; Auditorium III.

AAVLD – Pathology Scientific Session – 1:00-3:00pm; Auditorium II.

AAVLD – Toxicology Scientific Session – 1:00-3:00pm; Auditorium IV.

AAVLD – Epidemiology Scientific Session – 1:00-3:00pm; Guilford C.

AAVLD – Virology Scientific Session – 1:00-3:00pm; Guilford B.

AAVLD Administrative Management Personnel Committee - 1:00-5:00pm; Pebble Beach.

American Horse Council Health and Regulatory Committee – 1:00-5:00pm; Arrowhead.

USAHA Scientific Advisory Sub-Committee for Johne's – 3:00-6:00pm; Torrey Pines.

AAVLD Veterinary Analytical Toxicology & Mycotoxins and USAHA Environment Committee - 3:30-6:30pm; Auditorium IV.

AAVLD Diagnostic Bacteriology Case Reports –3:30-6:00pm; Guilford C.



**SATURDAY – OCTOBER 23, 2004 (continued)**

AAVLD Government Relations Committee – 3:30-5:30pm; Bear Creek.  
USAHA Scientific Advisory Subcommittee on Tuberculosis – 3:30-5:30pm; Meadowbrook.  
National Cattlemen’s Beef Association – 3:30-6:30pm; Sandpiper.  
AAVLD Histopathology Slide Seminar - 3:30-6:00pm; Auditorium II.  
AAVLD Membership Committee – 5:00-6:00pm; Marsh Harbour.  
AAVLD Laboratory Directors Committee - 5:30-7:30pm; Grandover East.  
Board of Directors of the American Association of Food Hygiene Veterinarians - 6:00-10:00pm; Bear Creek.  
USAHA Program Committee – 6:00-8:30pm; Colony A.  
Extension Veterinarians – 6:00-10:00pm; Arrowhead.  
Trek para-JEM Users Group Dinner – by invitation only - 6:30-8:30pm, Pebble Beach.  
AAVLD – Epidemiology Committee on Validation – 8:00-10:00pm; Auditorium II.  
AAVLD Bacteriology Steering Committee - 8:00-10:00pm; Torrey Pines.

**SUNDAY – OCTOBER 24, 2004**

Prayer Breakfast – 6:30-8:00am; Victoria B.  
Northeast Animal Health Association Breakfast - 6:30-8:30am; Grandover West.  
North Central Animal Health Association Breakfast - 7:00-11:30am; Tidewater.  
Southern Animal Health Association Breakfast - 7:00-9:00am; Grandover East.  
Western States Animal Health Association Breakfast - 7:00am-12:00noon; Augusta.  
AAVLD Exhibits and Posters - 8:00am-3:30pm; Guilford Prefunction Area 3<sup>rd</sup> Floor.  
Food Safety Symposium - 8:00am-12:00noon; Blue Ashe.  
AAVLD – Microbiology Scientific Session – 8:00am-12:00noon; Guilford C.  
AAVLD – Pathology Scientific Session – 8:00am-12:00noon; Auditorium IV.  
AAVLD – Virology Scientific Session – 8:00-12:00noon; Auditorium II.  
AAVLD – Bacteriology Scientific Session – 8:00-12:00noon; Guilford A.  
AAVLD – Molecular Diagnostics Scientific Session – 8:00-12:00noon; Auditorium III.  
AAVLD Administrative Management Personnel Committee - 8:00am-12:00noon; Pebble Beach.  
National Cattlemen’s Beef Association - 8:30am-12:00noon; Sandpiper.  
USAHA Scientific Advisory Subcommittee on Brucellosis – 10:00am-12:00noon; Bear Creek.  
USAHA Education Subcommittee on Brucellosis - 10:00am-12:00noon; Oyster Bay.  
AAVLD Pathology Committee – 12:00noon-2:00pm; Blandwood.  
USAHA Committee on Captive Wildlife and Alternative Livestock – 12:30-5:30pm; Colony B.  
USAHA Committee on Food Safety – 12:30-5:30pm; Victoria C.  
USAHA/AAVLD Committee on International Standards – 12:30-5:30pm; Bear Creek.  
USAHA Committee on Infectious Diseases of Horses - 12:30-5:30pm; Colony A.  
USAHA Committee on John’s Disease - 12:30-5:30pm; Auditorium IV.  
USAHA Committee on Salmonella - 12:30-5:30pm; Grandover West.  
USAHA Committee on Sheep and Goat – 12:30am-5:30pm; Victoria B.  
Feral Swine Meeting - 1:00-4:00pm; Tanglewood.  
US/Mexico Bi-National Tuberculosis Meeting –1:00-5:30pm; Victoria A.  
APHIS, VS Managers Workshop Conference - 1:00-5:00pm – Blue Ashe.  
USAHA Mycoplasma Subcommittee on Transmissible Diseases of Poultry and Other Avian Species– 1:00-5:00pm; Pebble Beach.  
AAVLD Laboratory Safety and Waste Disposal Committee – 1:00-5:00pm; Grandover East.  
District at Large (Allied Industry and Regional Delegates) - 12:30-5:30pm; Colony C.  
USAHA Orientation for New Members – 4:30-5:30pm; Auditorium I.  
USAHA/AAVLD President’s Reception and Dinner - 5:30-8:30pm; Guilford A/B/C Ballroom.

**MONDAY – OCTOBER 25, 2004**

AAVLD Past Presidents Breakfast - 6:30-8:00am; Bear Creek.  
AAVLD Exhibits and Posters - 8:00am-1:00pm; Guilford Prefunction 3<sup>rd</sup> Floor.  
USAHA Membership Meeting – 7:30-8:00am; Guilford B.  
USAHA/AAVLD Joint Plenary Scientific Session – 8:00-11:30am; Guilford B.  
**Animal Disease Surveillance: Response, Public Health, and Trade**  
8:05 a.m. Global Perspective - the World Organisation for Animal Health (OIE) - Alex Thiermann  
8:40 a.m. Importance of Surveillance to North America – Brian Evans  
9:15 a.m. Emerging and Re-emerging Zoonotic Diseases – Importance of Veterinary Surveillance for Protection of  
Public Health – Lonnie King  
10:00 a.m. Surveillance of Diseases: Epidemiology Perspective- Wayne Martin  
10:30 a.m. Characterization of the Recent U.S. Bovine Spongiform Encephalopathy Case and Methods for  
Surveillance– Juergen Richt  
11:00 a.m. Surveillance for Avian Influenza – David Suarez  
AAVLD House of Delegates - 11:30am-12:30pm, Guilford B.

**MONDAY – OCTOBER 25, 2004 (continued)**

**Spouses Brunch** - 9:30-12:00noon; Grandover East.  
**USAHA Past President's Luncheon** - 12:00noon-1:30pm; Tanglewood.  
**Directors of State Meat Inspection** – 12:30-5:30pm; Victoria B.  
**USAHA/AAVLD Committee on Animal Health Information Systems** – 12:30-5:30pm; Victoria C.  
**USAHA/AAVLD Committee on Aquaculture** – 12:30-5:30pm; Biltmore.  
**USAHA Committee on Import-Export** – 12:30-5:30pm; Auditorium II.  
**USAHA Committee on Infectious Diseases of Cattle, Bison and Lama** – 12:30-5:30pm; Tidewater.  
**USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species** - 12:30-5:30pm; Auditorium III.  
**USAHA Committee on Tuberculosis** - 12:30-5:30pm; Guilford C.  
**Pseudorabies Control Board & Pseudorabies Program Standards** – 1:30-5:30pm; Bear Creek.  
**AAVLD Committee Chairs and Program Committee** – 1:30-4:00pm; Arrowhead.  
**National Association of Federal Veterinarians** – 5:30-8:00pm; Grandover East.  
**NIAA Executive Committee** – 6:30-9:00pm; St. Andrews.  
**USAHA Board of Directors** – 6:00; Victoria A.

**TUESDAY, OCTOBER 26, 2004**

**USAHA Committee on Bluetongue and Bovine Retrovirus** – 8:00am-12:00noon; Tanglewood.  
**USAHA Committee on Foreign and Emerging Diseases** - 8:00am-5:30pm; Auditorium IV.  
**USAHA Committee on Livestock Identification**– 8:00am-5:30pm; Blue Ashe.  
**USAHA Committee on Pseudorabies**– 8:00am-12:00noon; Grandover East.  
**USAHA Committee on Public Health and Rabies** – 8:00am-12:00noon; Grandover West.  
**National Scrapie Oversight Board** – 8:00am-12:00noon; Pebble Beach.  
**USDA-ARS National Animal Health Five Year Research Project Review** - 8:00AM-5:00PM; Auditorium I.  
**Directors of State Meat Inspection** - 8:00am-5:30pm; Victoria B.  
**American Association of Avian Pathologist Liaison with AVMA** – 10:00am-12:00noon; St. Andrews.  
**USAHA/AAVLD Officers Luncheon** – 12:00noon-2:00pm; Old North.  
**USAHA Committee on Animal Welfare** – 12:30-5:30noon; Victoria C.  
**USAHA Committee on Brucellosis** - 12:30-5:30pm; Auditorium II.  
**USAHA Committee on Feed Safety** - 12:30-5:30pm; Tidewater.  
**USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species** –12:30-5:30pm; Auditorium III.  
**USAHA Committee on Transmissible Diseases of Swine**–12:30am-5:30pm; Grandover East.  
**USAHA Committee on Wildlife Diseases**– 12:30-5:30pm; Grandover West.  
**USAHA Board of Directors** – 6:00; Victoria A.

**WEDNESDAY, OCTOBER 27, 2004**

**USAHA Committee on Biologics and Biotechnology** - 8:00am-12:00noon; Tanglewood.  
**USAHA Committee on Parasitic Diseases**– 8:00AM-12:00noon; Tidewater.  
**USAHA Committee on Pharmaceuticals** – 8:00am-12:00noon; Grandover East.  
**USAHA Committee on Public Relations** – 10:00am-12:00noon; Riverdale  
**USAHA Committee on Scrapie** – 8:00am-12:00noon; Blue Ashe.  
**Rabies Compendium** – 12:00noon-7:00pm; St. Andrews.  
**USAHA Membership Meeting** - 1:00 –4:00pm; Guilford B.  
**USAHA Board of Directors** - 6:00pm; Victoria A.

**THURSDAY, OCTOBER 28, 2004**

**Rabies Compendium** – 8:00am-5:00pm; St. Andrews.  
**USAHA Executive Committee Meeting and Luncheon** - 10:30am-3:00pm; Old North.

## SCIENTIFIC SESSIONS

### AAVLD PLENARY SESSION

#### Transmissible Spongiform Encephalopathies

Saturday, October 23, 2004, 8:00 a.m. – 11:15 a.m., *Guilford B*

Moderator: Gary Osweiler

- 8:00 Opening remarks
- 8:05 BSE Surveillance in the UK – Angus Wear
- 8:45 Molecular Characterization of Prion Isolates from Livestock and Cervids – Juergen Richt
- 9:25 Break – 15 Minutes
- 9:40 Pathology and Testing Strategies for BSE – Tim Baszler
- 10:20 Ecology, Epidemiology and Control of CWD – Elizabeth Williams
- 11:00 Panel, Questions
- 11:15 AAVLD House of Delegates

### TRANSMISSIBLE SPONGIFORM ENCEPHALOPATHY/VIROLOGY SCIENTIFIC SESSION

Saturday October 23, 2004, 1:00 p.m. – 3:00 p.m., *Auditorium III*

Moderators: Tim Baszler

- 1:00 p.m. Evaluation of Two ELISAs for Detecting Chronic Wasting Disease - E. Chow, J. Berezowski, J.Y.T. Wu, B. Miller, A. Balachandran & A. Soutyrine
- 1:15 p.m. Development of an Automated High-Throughput Screening Enzyme-Linked Immunosorbent assay for Bovine Spongiform Encephalopathy in Cattle and Chronic Wasting Disease in Elk and Deer in Alberta Canada - J.T.Y. Wu, E.Y.W. Chow, L.S.Y. Wong, M. Longson, C. Onderka C. Wittmeier and E.E. Bowlby
- 1:30 p.m. Western-blot techniques with improved sensitivities for confirming the diagnosis of BSE, scrapie and CWD – J.M. Bilheude, J.P. Bourgeois, M. Feysaguet, G. Nespoulous, E. Comoy, J.P. Deslys, S. Simon, N. Morel, Y. Frobert and J.Grassi
- 1:45 p.m. A Second-Generation Method for Accurately Detecting Bovine Spongiform Encephalopathy – V. Leathers, R. Toomik, K. Velek, L. Plourde, S. Koller, M. Ryle, C. Wong, L. Estey
- 2:00 p.m. Polioencephalitis in Ruminants in the UK - S.F.E. Scholes, H. Ainsworth, C. Bidewell, A. Colloff, A. Dawson, P. Duff, R.J. Higgins, P.J. Watson, M. Wessels, K. Whitaker, P.F. Nettleton
- 2:15 p.m. Evaluation of a Blocking ELISA for Detection of West Nile Virus Antibodies in Horses, Chickens and Wild Ring-Necked Pheasants - E.M. Zhou, D.K. Kirby, K. Lin, D.L. Reynolds, J. Fabios, K.B. Platt, T. Bogenschutz and D.L. Garner
- 2:30 p.m. Detection and Characterization of naturally occurring West Nile Virus Infection in a Wild Female Turkey -Z. Zhang, F. Wilson, R. Read, L. Pace, S. Zhang
- 2:45 p.m. Hemorrhagic Bowel Syndrome in Dairy Cattle: Preliminary Results from a Case Control Study - D.C. Sockett, A.I. Brower, K.L. Woods, R.E. Porter, P.N. Bochsler, S.M. Godden, N.E. Forsberg, S.B. Puntenney and Y. Wang

### EPIDEMIOLOGY SCIENTIFIC SESSION

Saturday October 23, 2004, 1:00 p.m. – 3:00 p.m., *Guilford C*

Moderators: Francois Elvinger and Claudia Munoz-Zanzi

- 1:00 p.m. Serologic Response of Horses Vaccinated Against WNV and Those Recovering from Naturally Occurring Disease - A. Davidson, J. Traub-Dargatz, R. Dewell, R. Rodeheaver, J. Stricklin, E. Ostlund, D. Pederson, S. Albers, R. Forde, T. Brigner, S. Roach, R.Long, R. Callan, R. Moorhead, and M. Salman
- 1:15 p.m. Characteristics and Efficiency of Diagnostic Tests Used in the 2002 LowPath Avian Influenza Outbreak in Virginia - F. Elvinger, D. L. Ward, F.W. Pierson, B.L. Akey, B.A. Porter-Spalding, D. Senne.
- 1:30 p.m. Use of Veterinary Diagnostic Laboratory Data to Rapidly Detect Infectious Disease Outbreaks - H. Kassenborg, B. Miller, K. Green, M. Thurn, J. Griffith, and K. Smith;
- 1:45 p.m. Effectiveness of pooling strategies for detection of Johne's disease infected cattle herds - C. Munoz-Zanzi, S. Wells
- 2:00 p.m. The BioPortal information system for foot-and-mouth disease surveillance - A.M. Perez, M.C. Thurmond, W.O. Johnson, T.E. Carpenter, P.W. Grant, R.B. Garabed, B.A. Melbourne, Y-K. Choi, A.J. Branscum, L.D. Benning, T.W. Bates, C. Lynch, M. Eidson, M. Ascher, I. Gotham, and H. Chen
- 2:15 p.m. Epidemiological models for global surveillance of foot-and-mouth disease - A.M. Perez, M.C. Thurmond, T.E. Carpenter, T.W. Bates, W.O. Johnson, B.A. Melbourne, S.A. Aslam, R.B.Garabed, Y.ku Choi, A.J. Branscum, M.L. Gallego, and P.W. Grant
- 2:30 p.m. Foot-and-mouth disease surveillance involving the testing of bulk milk tank samples - M.C. Thurmond, A.M. Perez
- 2:45 p.m. The 13<sup>th</sup> Edition of the UN Model Regulations on Transport of Dangerous Goods: Effects on Veterinary Diagnostic Laboratories - L.J. Thompson

## PATHOLOGY SCIENTIFIC SESSION

Saturday October 23, 2004, 1:00 p.m. – 3:00 p.m., Auditorium II

Moderators: H. L. Shivaprasad and Donal O'Toole

- 1:00 p.m. Hair-loss syndrome in Pacific Northwest Black-tailed deer - R.J. Bildfell, J.W. Mertins, J.A. Mortenson and D.F. Cottam  
1:15 p.m. Avian Tuberculosis and Erysipelas infection in Chukars - A.S. Dhillon, D. Schaberg; S.K. Weber; D.V. Bandli and F. Wier  
1:30 p.m. Hepatic Cirrhosis and Hemochromatosis in an Onager (*Equus hemionus*) - J.R. Hayes, R.A. Gandolf, S. D. Grimes, J. Thilsted, and M. Atkinson  
1:45 p.m. Pathology of West Nile Virus Disease in North Carolina Alligators - P.G. Moisan, L.F. Humphries, S.J. Page, and J.M. Law  
2:00 p.m. Successful experimental induction of acute malignant catarrhal fever in bison using aerosols of ovine nasal mucus containing ovine herpesvirus-2 (OvHV-2) - D. O'Toole, N.S. Taus, W.C. Davis, T.B. Crawford, and H. Li  
2:15 p.m. Ulcerative enteritis associated with *Clostridium perfringens* type A in Bobwhite Quail (*Colinus virginianus*) - H.L. Shivaprasad, R. Kokka, R. Crespo, G. Songer, P. Cortes and F. Uzal  
2:30 p.m. Tongue is an Excellent Sample for Parvoviral Diagnosis in Dogs and Cats - **C.A. McKnight\***, M. Kiupel, A. Wise, and R. Maes  
2:45 p.m. *Rangelia vitalli* infection in dogs: epidemiological, clinicopathological and ultrastructural findings - **A. P. Loretti\***, S.S. Barros

## TOXICOLOGY SCIENTIFIC SESSION

Saturday October 23, 2004, 1:00 p.m. – 3:00 p.m., Auditorium IV

Moderators: Robert Poppenga and Catherine Barr

- 1:00 p.m. Brain Concentrations of Macrolide Endectocides Associated with Cases of Intoxication or Suspected Intoxication - R.H. Poppenga, I. Rudik-Miksa, and M.R. Cummings  
1:15 p.m. The use of LC/MS methodology in the diagnosis of paraquat poisoning - B. Puschner, M.S. Filigenzi, E. Pratt, E.R. Tor  
1:30 p.m. Determination of Liver Vitamin E: Stability and Matrix Distribution - I. Rudik-Miksa, R.H. Poppenga, and M.R. Cummings  
1:45 p.m. Screening of Erythropoietin, Recombinant Human Erythropoietin and Darbepoietin-alpha in horse plasma - A.K. Singh, S. Gupta, and A. Sage  
2:00 p.m. Diagnosis of *Taxus* (Yew) poisoning in a horse - **A.K. Tiwary\***, B. Puschner, H. Kinde, J. Reagor and E.R. Tor  
2:15 p.m. Paresis and Death in Elk (*Cervus elaphus*) due to Lichen Intoxication in South Central Wyoming - W.E. Cook, M.F. Raisbeck, T.E. Cornish, E.S. Williams, B. Brown, and G. Hiatt  
2:30 p.m. Toxicologic Surveillance of Search & Rescue Dogs Deployed to the World Trade Center, The Pentagon, and The Staten Island Fresh Kills Landfill sites - W.K. Rumbelha, S.D. Fitzgerald, W.E. Braselton, C.M. Otto, A.B. Downend  
2:45 p.m. Proteomics Approaches to Biomedical Problems - S. B. Hooser, C.R. Wilson

## VIROLOGY SCIENTIFIC SESSION

Saturday October 23, 2004, 1:00 p.m. – 3:00 p.m., Guilford B

Moderators: Robert Fulton and Lindsay Oaks

- 1:00 p.m. Disinfection of Coronavirus and Orthomyxoviruses in Liquid and on Solid Surfaces by Various Disinfectants - **J.M. Bieker-Hawkinson\***, J. Anderson, R.D. Oberst, and S. Kapil  
1:15 p.m. Serologic Response to Inactivated Avian Influenza A Vaccine in Turkeys - **K.L. Pabilonia\***, Van Campen, H., Wooming, B., Podell, B.K. and Salman, M.D.  
1:30 p.m. Initial results toward a collaborative evaluation of a real-time assay reagent specific for the detection of West Nile virus - **S. F. Sells\*** - D.J. Johnson, J.D. Callahan, M.L. Vickers, A.K. Maloy, W.M. Nelson, E.N. Ostlund, I. Stewart, J. Roberts, M. Sebastian, K. Grandfield, C. Jackson, K.B. Poonacha, C.B. Hong, N. Williams, R.C. Giles, D. Bolin, and L. Harrison  
1:45 p.m. First Report of Spring Viremia of Carp Virus in Wild Common Carp (*Cyprinus carpio*) in North America - A.L. Dikkeboom, C. Radi, S. Marquenski, M. Engel, A.E. Goodwin, K. Way, D.M. Stone, C. Longshaw, and K. Toohey-Kurth  
2:00 p.m. Persistence of Bluetongue Virus in the Insect Vector and its Implications for Disease Control - J.O. Mecham, D.M. White, B.S. Drolet and W.C. Wilson  
2:15 p.m. Foot and Mouth Disease in Bison: Laboratory Analyses of Serum, Blood, Oesophageal-Pharyngeal Fluid, and Tissue Samples - H. Wang, G.B. Ward, M.Y. Deng, J.C. Rhyhan, M. Yeh, M.L. Berninger, B. Donahue, J. Dio, S.A. Shawky, S.H. Wainwright, T.S. McKenna  
2:30 p.m. Severe egg production reduction in turkeys due to avian influenza virus H3N2 - Y. Zhang, B. Byrum, M. Saif, S. Grimes, S. Rajeev, C. Sarver, and L. Dorman  
2:45 p.m. RT-PCR in the Newcastle disease and avian flu diagnosis - A. Panshin, E. Shihmanter, I. Gissin, Y. Tendler

\* Graduate Student Competition

## BACTERIOLOGY SCIENTIFIC SESSION

Sunday October 24, 2004, 8:00 a.m. – 12:00 p.m., Guilford A

Moderators: Brenda Love and Melissa Libal

- 8:00 a.m. Use of a Real-Time Polymerase Chain Reaction Assay for Detection of *Mycobacterium avium* subsp. *paratuberculosis* from Bovine Fecal Samples and Confirmatory Cultures - L.A. Estey, P.R. Andersen, A. Asp, T. Bezold, D. Eugene and P. I. Tyrrell
- 8:15 a.m. Evaluation of six decontamination protocols for the isolation of *M. avium* subsp. *paratuberculosis* from bovine feces - K. A. Johansen and J.B. Payeur
- 8:30 a.m. Development of Real Time Quantitative PCR Technology for the Identification of *Mycoplasma bovis* in Bovine Milk - B.C. Love, F. Zambito, S.E. Myers, D.P. Shaw
- 8:45 a.m. Direct Evaluation of Bovine Fecal Samples for *Mycobacterium avium* subsp. *paratuberculosis* by a Real-Time PCR Commercial Assay - B.L. Mangold, S.R. Weeks, T.I. Calvin, W.M. Nelson, and J. Christopher-Hennings
- 9:00 a.m. Optimization of an Algorithm for Laboratory Diagnosis of *Mycobacterium avium* subsp. *paratuberculosis* in bovine feces utilizing a liquid culture system - S. Rajeev, Y. Zhang, and B. Byrum
- 9:15 a.m. Culturing *Mycobacterium avium* spp *paratuberculosis* from sheep feces in the United States - S. Robbe-Austerman, J.R. Stabel, B.N. Harris, K. Johansen, M.V. Palmer, J.B. Payeur
- 9:30 a.m. Evaluating the accuracy of the IFN-gamma ELISA and the skin test to detect *Mycobacterium avium* ssp. *paratuberculosis* (MAP) infection in sheep - S. Robbe-Austerman, J.R. Stabel, M.V. Palmer
- 9:45 a.m. **BREAK AND POSTER SESSION**
- 10:15 a.m. Development and Evaluation of a new PCR test for the detection - *Mycobacterium avium* subsp. *paratuberculosis* - J.R. Stabel, J.P. Bannantine, and M. Paustian
- 10:30 a.m. A Technique for Enhanced Detection of Acid Fast Bacilli (AFB) (*Mycobacterium subsp avium paratuberculosis*-MAP) in Liquid Culture - R.H. Whitlock, A. Monson, B. Aksim, S. McAdams, T. Fyock and R. Sweeney
- 10:45 a.m. Research Challenges for Brucellosis Eradication - P.H. Elzer
- 11:00 a.m. Strain typing *Brucella abortus* isolated from California and Florida cattle herds by using “HOOF-Prints” – a new DNA fingerprinting technique for *Brucella* – B.J. Bricker and D.R. Ewalt
- 11:15 a.m. Investigation of Reported Resistance of *Streptococcus equi* ssp. *zooepidemicus* to Trimethoprim-sulfamethoxazole in Horses - D.J. Feary, J. Traub-Dargatz, S. Roach, D.R. Hyatt, R. Jones, C. C. Wu, and P. S. Morley
- 11:30 a.m. Characterization of a Highly Antimicrobial Resistant *Escherichia coli* from Newborn Calves with Colibacillosis in North Dakota - P.S. Gibbs, J. Foster, S.R. Petermann, M. Theis, T. Solseng, L.P. Schaan, D.F. Krogh, and G.J.C. Carlson
- 11:45 a.m. Genetic variability of *Moraxella* (subgenus *Moraxella*) *bovis* and *Moraxella* (subgenus *Branhamella*) *ovis* field strains recovered from cattle with infectious bovine keratoconjunctivitis - **P.S. Nabity\***, H.E. Cerny, P.D. Fey, S.Hinkley

## MICROBIOLOGY SCIENTIFIC SESSION

Sunday October 24, 2004, 8:00 a.m. – 12:00 p.m., Guilford C

Moderators: Lindsay Oaks, Jr.

- 8:00 a.m. Experimental infection of reindeer (*Rangifer tarandus*) with *Mycobacterium bovis*: Pathological and immunological findings - M.V. Palmer, W.R. Waters, T.C. Thacker, W.C. Stoffregen, R.E. Slaughter, S.L. Jones, J.E. Pitzer, and F.C. Minion
- 8:15 a.m. Survey of antibiotic resistance in *Mycobacterium tuberculosis* strains isolated from elephants - N.B. Harris, R.A. Osorio, and J.B. Payeur
- 8:30 a.m. Use of a New Competitive ELISA Procedure for the Serodiagnosis of Glanders (*Burkholderia mallei*) Infections in Horses - J. B. Katz, T. O. Bunn, D. R. Kinker
- 8:45 a.m. Competitive ELISA for the detection of antibodies against foot-and-mouth disease virus using a biotinylated 3ABC recombinant protein - A. Clavijo, E-M. Zhou, P. Kitching
- 9:00 a.m. Immune Response Differences in Serums from Bovine Herpesvirus-1 Vaccinated Cattle: Dependence of Viral Strain - R. W. Fulton, L. J. Burge, J.M. d’ Offay, R. Funk, G. D. Weaver, H. Van Campen, and B.J. Johnson
- 9:15 a.m. Sequencing-Based Identification of a Novel Coronavirus in Ferrets with Epizootic Catarrhal Enteritis (ECE) and Development of Molecular Diagnostic Tests for ECEA.G Wise, M. Kiupel, C. Isenhour and R.K. Maes
- 9:30 a.m. Use of antemortem tests to identify cattle with disseminated *Mycobacterium avium* ssp. *paratuberculosis* infection detected by postmortem culture of 15 tissues - H.L. Hirst, J.E. Lombard, M.C. Antognoli, M.M. Dennis, M.D.. Salman, and F.B. Garry
- 9:45 a.m. **BREAK AND POSTER SESSION**
- 10:15 a.m. Production and characterization of monoclonal antibodies that recognize camelid heavy-chain antibodies. - **L. P. Daley\***, L. F. Gagliardo, M. S. Duffy, and J. A. Appleton
- 10:30 a.m. Detection of *Neospora caninum* DNA from Central Nervous System of Deer by Nested PCR - **L.G. Corbellini \***, L. Xie, J.A. Galeota, B.W. Brodersen, D.J. Steffen

\* Graduate Student Competition

- 10:45 a.m. Outbreak of West Nile Virus in Farmed Alligators (*Alligator mississippiensis*) in Southern North Carolina - **L.F. Humphries\***, S.J. Page, P.G. Moisan, J.M. Law
- 11:00 a.m. The use of environmental sampling as a herd diagnostic tool for detecting *Mycobacterium avium* subsp. *paratuberculosis* on Minnesota Dairy Farms - **E.A Raizman\***, S.J. Wells, S.M. Godden, R.F. Bey, M.J. Oakes, D.C. Bentley, K.E. Olsen
- 11:15 a.m. Evaluation of Fluorescent Focus Neutralization Assay in Comparison with SVN, ELISA and IFA for Serological Diagnosis of Porcine Reproductive and Respiratory Syndrome Virus Infection - **D. K. Kirby\*** and E.-M. Zhou
- 11:30 a.m. Reconstruction and Analysis of Eradication Efforts during the 2002-03 Outbreak of Exotic Newcastle Disease - R. Speers, M. Webb, B. Howell, M. Grund, C. Hughes, E. Myrus and J. Silverman
- 11:45 a.m. Patterns of Relationship in Emergency Response: An Exotic Newcastle Disease Case Study - R. Werge, L. Cooper, and C. Cardona

## MOLECULAR DIAGNOSTICS SCIENTIFIC SESSION

Sunday October 24, 2004 8:00 a.m. – 12:00 p.m. Auditorium III

Moderators: Sharon Hietala and Steven Kleiboeker

- 8:00 a.m. Simultaneous detection of North American and European Porcine reproductive and respiratory syndrome virus using real-time quantitative RT-PCR - S.B. Kleiboeker, S.K. Schommer, S-M Lee, S. Watkins, W. Chittick, and D. Polson
- 8:15 a.m. Quantification of Porcine Reproductive and Respiratory Syndrome Virus in boar serum and semen - J. Christopher-Hennings, J. D. Callahan, Y. Fang, A. Wasilk, M. Dammen, T.A. Gay, M.E. Reos, E.A. Nelson, and W.M. Nelson
- 8:30 a.m. Application of molecular epidemiological data to support forensic disease outbreak investigations: Evaluation using the 2002-2003 exotic Newcastle Disease outbreak - B.M. Crossley, P.J. Hullinger, S.L. Messenger, E. Skowronski, K. Smith, and S.K. Hietala
- 8:45 a.m. High Throughput Viral RNA Isolation for Molecular Diagnosis - X. Fang, R. C. Willis, W. Xu, Q. Hoang and M. Bounpheng
- 9:00 a.m. Fast and Simple Viral RNA isolation for BVDV molecular diagnostics - Q. Hoang, R.C. Willis, W. Xu, M.A. Bounpheng, and X. Fang
- 9:15 a.m. High throughput detection of bluetongue virus by a Taqman real-time RT-PCR - M. A. Jimenez-Clavero, E. San Miguel, M. J. Ruano, M. C. López, E. R. Gómez-Tejedor, C. Gómez-Tejedor
- 9:30 a.m. Detection of Foot-and-Mouth Disease in Samples from Afghanistan by a Portable Real-Time RT-PCR Assay - K.R. Schumann, T.R. Beckham, L. Jackson, D. Couch, A.J. Eberling, A.C. Giuffre, S.J. Pauszek, J.M. Robida, M.L. Berninger, T.M. Sigafosse, M.A. Kenney, L. Rodriguez, T.S. McKenna, B.M. Martin.
- 9:45 a.m. **BREAK AND POSTER SESSION**
- 10:15 a.m. Phylogeny-Based Multiplex Real-Time RT-PCR for Rapid Detection of Vesicular Stomatitis Viruses NJ and IN-1 from Diverse Geographical Regions - Luis L. Rodriguez, Steve J. Pauszek, George Smoliga and William C. Wilson
- 10:30 a.m. Validation of a Real-Time RT-PCR for Vesicular Stomatitis Virus - G.J. Letchworth, C. Jiménez, M. Herrero, T.E. Cornish, W.C. Wilson, G. Smoliga, S. Pauszek, C. Dornak, M. George, L.L. Rodriguez
- 10:45 a.m. Diagnostic evaluation of a portable real-time reverse transcriptase PCR assay for the detection of Classical Swine Fever - G. Risatti, L.G. Holinka, Z. Lu, G. Kutish, J.D. Callahan, W.M. Nelson, E. Brea Tió, and M.V. Borca
- 11:00 a.m. Comparison of Six RNA Extraction Methods for the Detection of Classical Swine Fever Virus by Real-time and Conventional Reverse Transcription-Polymerase chain Reaction - M.Y. Deng, H. Wang, GB. Ward, T.R. Beckham, and T.S. McKenna
- 11:15 a.m. Development of an Optimized Multiplex PCR to Detect Virulence Genes in Enterotoxigenic *Escherichia coli* (ETEC) - L.L. Ruesch and D.H. Francis
- 11:30 a.m. Quantitative Real-Time PCR for the Detection of *Mycobacterium avium* subsp. *paratuberculosis* in Bovine Fecal Samples - R.W. Sweeney, B.L. Mangold, S. McAdams, T. Calvin, R.H. Whitlock
- 11:45 a.m. Identification of *Escherichia coli* flagellar types by restriction fragment analysis of amplified *fliC* gene - C. DebRoy, E. Roberts and M. A. Davis

## PATHOLOGY SCIENTIFIC SESSION

Sunday October 24, 2004, 8:00 a.m. – 12:00 p.m., Auditorium IV

Moderators: Michael Yaeger and David Steffen

- 8:00 a.m. Current Intentional Microbial Threats to Animal Agriculture and their relevance to the AAVLD and the Veterinary Pathologist - T.M. Wilson
- 8:15 a.m. Pathologic and Toxicologic Surveillance of Search & Rescue Dogs Deployed to the World Trade Center & Pentagon: Preliminary Findings - S.D. Fitzgerald, W.K. Rumbelha, C.M. Otto, and A.B. Downend
- 8:30 a.m. Canine Coronavirus - Associated Mortality Without Evidence of Concurrent Canine Parvoviral Infection - J.F. Evermann, J.R. Abbott, and S. Han
- 8:45 a.m. Fatal mycobacteriosis with hepatosplenomegaly in a young dog due to *Mycobacterium avium* - D. O' Toole, S. Tharp, B.V. Thomsen, E. Tan, and J.B. Payeur

\* Graduate Student Competition

- 9:00 a.m. New Pathological Observations on Naturally Infected Cats with *Physaloptera praeputialis* (Nematoda: Spirurida, Physalopteridae) - S. Naem, A.A. Farshid, and V.T. Marand
- 9:15 a.m. Microscopic Lesions in Cats with Colonic *Tritrichomonas* Infection - M.J. Yaeger, J.L. Gookin
- 9:30 a.m. The role of immunostimulation on the pathology of post-weaning multisystemic wasting syndrome (PMWS) in pigs under field conditions - **J. Haruna\***, P. Hanna, D. Hurnik, B. Ikede, L. Miller and C. Yason
- 9:45 a.m. **BREAK AND POSTER SESSION**
- 10:15 a.m. Hemolytic Uremic and Edema Disease-like Syndrome in a Mare and Foal Associated with *Escherichia coli* 0103 - D.H. Gould, A.H. Davidson, C.E. Dickinson, M.E. Legare, D.R. Hyatt and C. DebRoy
- 10:30 a.m. Gizzard Hemorrhage and Erosion in Broiler Chickens at Hatch - F. J. Hoerr, J. J. Giambone, L. Li, T. Dormitorio, and D. Poole
- 10:45 a.m. Utilization of Real-Time PCR for the Detection of *Haemophilus parasuis* from Swine Tissues - D. Jordan, K. Harmon, and L. Hoffman
- 11:00 a.m. The Association of *Clostridium perfringens* alpha and beta2 Toxins with Microscopic Lesions and Diarrhea in Neonatal Swine - M.J. Yaeger and R. Ellis
- 11:15 a.m. Enterotoxemia by Enterotoxin and Beta 2 Toxin Positive *Clostridium perfringens* type D in a Goat Kid - F.A. Uzal, D.J. Fisher, S. Sayeed, B.A. McClane, G. Songer, H.T. Trinh and M.E. Fernandez Miyakawa
- 11:30 a.m. Ossified Yolk Sac Remnants in the Equine Placenta - Frequently Encountered but Less Frequently Understood: Their Pathogenesis and Diagnostic Features - D.H. Schlafer
- 11:45 a.m. Hypocalcemia of Hypovitaminosis D in Mature and Immature Pigs - Y.L. Jones, M. Kiupel

## VIROLOGY SCIENTIFIC SESSION

Sunday October 24, 2004, 8:00 a.m. – 12:00 p.m., Auditorium II

Moderators: K-J Yoon and Edward Dubovi

- 8:00 a.m. Assessment of the Stability of PRRS Virus RFLP Pattern during *In Vivo* Replication - **S.-H. Cha\*** and K.-J. Yoon
- 8:15 a.m. Relative Prevalence of Reassortant H1N1 Swine Influenza Viruses with Avian Polymerase Genes and Classic H1N1 Viruses with Swine Polymerase Genes - B.H. Janke, K.M. Harmon, K.-J. Yoon, G.A. Erickson, and R.J. Webby
- 8:30 a.m. Humoral Immune Responses of Pigs to SIV Infection and Vaccination - **W.-I. Kim\***, W.-H. Wu, B.H. Janke, K.-J. Yoon
- 8:45 a.m. Characterization of a Reassortant Human/Swine H1N2 Influenza Virus Isolated from Pigs in a U.S. Swine Herd - **M.L. Gramer\***, C. Mahlum-Wees, K.D. Rossow, R.J. Webby and S.M. Goyal
- 9:00 a.m. Nested PCR detection and duration of porcine circovirus type 2 in semen samples from naturally infected boars - **K. A. McIntosh\***, J.C.S. Harding, J.A. Ellis and G.D. Appleyard
- 9:15 a.m. Ulcerative and Hemorrhagic Typhlocolitis in an Angus Heifer Associated with Natural Bovine Enterovirus Type-1 Infection - U. Blas-Machado, M.J. Boileau, J.T. Saliki, S.L. Caseltine, S.D. Goens, J.C. Duffy, and R.D. Welsh
- 9:30 a.m. Bovine Viral Diarrhea Virus Persistent Infection in Two White-Tail Deer in Southeastern South Dakota – C.C.L. Chase, L.J. Braun, P. Leslie-Steen, T. Graham, D. Miskimins and J.F. Ridpath
- 9:45 a.m. **BREAK AND POSTER SESSION**
- 10:15 a.m. Bovine Viral Diarrhea Virus (BVDV) Subtypes in Diagnostic Laboratory Accessions from Clinical and Necropsy Cases: Distribution of BVDV1a, 1b, and 2a Subtypes – R.W. Fulton, J. F. Ridpath, S. Ore, J.T. Saliki, L. J. Burge, and A.W. Confer
- 10:30 a.m. Genetically Identical Bovine Virus Diarrhea Viruses Isolated from an Aborted Ovine Fetus and a Yearling Hereford Heifer on the Same Premises – B. Thompson, E. Dubovi, B. Njaa, J.F. Ridpath
- 10:45 a.m. Viral Antigen Distribution in the Respiratory Tract of Cattle Persistently Infected with Bovine Viral Diarrhea Virus Subtype 2a - A.W. Confer, R.W. Fulton, D.L. Step, B.J. Johnson, and J.F. Ridpath
- 11:00 a.m. Comparison and Optimization of High Throughput Viral RNA Isolation Methods For FMDV - A.G. Giuffre, J.M. Robida, X. Fang, M.A. Kenney, T.S. McKenna, B.M. Martin, and T.R. Beckham
- 11:15 a.m. Malignant Catarrhal Fever-like Disease in Sheep following Intranasal Inoculation with Ovine Herpesvirus 2 - H. Li, D. O'Toole, O. Kim, J. L. Oaks, and T.B. Crawford
- 11:30 a.m. Avian Paramyxovirus infection -1 in Pigeons – A Retrospective Study - H.L. Shivaprasad, G. Cooper, F. Uzal, P. Woolcock, S. Hietala, B. Crossley, B. Charlton, F. Sommer, R. Crespo, R. Chin, M. McFarland, L. Woods, M. Anderson, H. Kinde, B. Daft, J. Odani, D. Read, A. Bickford, P. Hullinger and B. Barr
- 11:45 a.m. Isolation of Equine Influenza Virus from Racing Greyhounds with Fatal Hemorrhagic Pneumonia - E.J. Dubovi, P.C. Crawford, R.O. Donis, W.L. Castleman, Iain Stephenson, and E.P.J. Gibbs

## AAVLD JOINT PLENARY SESSION

Monday, October 25, 2004, 8:00 a.m. - 11:30 p.m., *Guilford B*

### Animal Disease Surveillance in the 21<sup>st</sup> Century – Important Tools for Response, Protection of Public Health, and Trade

Moderators:	Gary Osweiler and Rick Willer
8:00 a.m.	Opening remarks – Moderators
8:05 a.m.	<b>KEYNOTE ADDRESS</b>
	Global Perspective - the World Organisation for Animal Health (OIE) - Alex Thiermann
8:40 a.m.	Importance of Surveillance to North America – Brian Evans
9:15 a.m.	Emerging and Re-emerging Zoonotic Diseases – Importance of Veterinary Surveillance for Protection of Public Health – Lonnie King
9:45 a.m.	<b>BREAK</b>
10:00 a.m.	Surveillance of Disease: Epidemiologic Perspectives- Wayne Martin
10:30 a.m.	Characterization of the Recent U.S. BSE Case and Methods for Surveillance – Juergen Richt
11:00 a.m.	Surveillance for Avian Influenza – David Suarez
11:30 a.m.	AAVLD House of Delegates

## POSTER SESSION

47<sup>th</sup> Annual Meeting

American Association of Veterinary Laboratory Diagnosticians

Saturday October 23, 12:00 p.m. through Monday, October 25, 1:00 p.m.

*Guilford Prefunction Area 3<sup>rd</sup> Floor*

### No. Poster Title

- 1 *In Vitro* Evaluation of a Phenolic Disinfectant's (Environ LpH®) Effect on Chronic Wasting Disease-Associated Prion - KL Cramer, JE Jewell, CT Larsen, LA Baeten, and MW Miller
- 2 Effects of incubation temperature, decontamination method and regular shaking on diagnostic performance of a new liquid culture method, the TREK ESP Culture System II and para-JEM Broth, for detection of *Mycobacterium avium* subsp. *paratuberculosis* in fecal samples - C, van Maanen, MGJ Koene, V Oosterhuis, T von Banniseht, SE Allen, and NM Sullivan
- 3 Clinical, virology, histopathology, serology, and PCR findings of a fatal Eastern Equine Encephalomyelitis infection in a puppy - M.D. Farrar, D.L. Miller, S.L. Stiver, C.A. Baldwin, and C.L. Hall
- 4 Sarcoptic Mange in Raccoons in Michigan - S.D. Fitzgerald, T.M. Cooley, A. Murphy, M.K. Cosgrove, and B.A. King
- 5 Necropsy Findings and Arbovirus Surveillance in Mourning Doves (*Zenaida macroura*) From the Southeastern United States - R. W. Gerhold, C. M. Tate, S. E. Gibbs, D. G. Mead, A. B. Allison, and J. R. Fischer
- 6 Use of a Microtiter Serum Neutralization Test to Detect West Nile virus Antibodies - A.L. Glaser
- 7 Comparison of the polymerase chain reaction (PCR), virus isolation and electron microscopy for the diagnosis of orf virus infections - J. Guo; L.L. Logan and A. de la Concha-Bermejillo
- 8 Development of a Real-time PCR Panel for Detection of Ruminant Endemic Diseases that Mimic Foot and Mouth Disease - K. Homb, D. Krueger, P. Bochsler, A. Brower, R. Porter, K. Woods and K. Toohey- Kurth
- 9 Evaluation of the BACTEC® 960 MGIT™ system for growth of *Mycobacterium bovis* - **N. Hines\*** and J. Payeur
- 10 Wasting and mortality in beef cattle caused by *Eurytrema coelomaticum* in southern Brazil M.R.S. Ilha, A.P. Loretto
- 11 Testing for and control of equine infectious anemia: 2004 - CJ Issel and SJ Cook
- 12 Effect of hexadecylpyridium chloride (HPC), vancomycin and natamycin on the growth of *Mycobacterium avium* subsp. *paratuberculosis* - K. A. Johansen, E. E. Hugen and J.B. Payeur
- 13 Diagnosis of *Clostridium spiroforme* in a rabbit - D. Jordan, T. Klinefelter, J. Kinyon
- 14 Development and Validation of a PCR Test to Detect *Lawsonia intracellularis* in Tissues and Feces from Swine - G.K.A. Josephson, H.Y. Cai, P. Bell-Rogers, M. Archambault, B. McEwen, M.G. Maxie
- 15 Antimicrobial Susceptibility Profiles of Recent Isolates of *Mycoplasma bovis* - Joann M. Kinyon, Ricardo F. Rosenbusch, Lorraine J. Hoffman, and Michael Apley
- 16 BVDV Infection in Cell Culture-A Laboratory Disaster - J. G. Landgraf, J. V. Warg, L. G. Koster, K. A. Eernisse, M. P. Emery, S. L. Swenson
- 17 Implementation of Strategy to Control Bovine Viral Diarrhea Virus in the United States - R.L. Larson, D. M. Grotelueschen
- 18 Implementing the Standard: Personnel – Reading Between the Lines - B. Lawler and M. Pedersen
- 19 Diagnostic Lab Connectivity and Electronic Health Certificates for Equids - K. Maher and J.A. Facchiano



POSTER SESSION (continued)

- No. Poster Title**
- 20 PFGE on *Campylobacter jejuni* from animals-patterns and clusters - W. Manley, A. Boerger-Fields, K. W. Mills
- 21 Papillomavirus-associated basosquamous carcinoma in an Egyptian Fruit bat (*Rousettus aegyptiacus*) - **C. McKnight**,\*  
M. Kiupel, A. Wise, C. Howe, and R. Maes
- 22 Correlation of *Leptospira interrogans* Fluorescent Antibody Test with Histology and Immunohistochemistry in Aborted and  
Abattoir-Collected Bovine Fetuses - **E. K. Meseck**\*, B. Njaa, B. Thompson, L. Warnick and P. McDonough
- 23 Postmortem Evaluation of Thirty-one Brucella-Reactor Cattle from Wyoming and Evidence of Apparent Transmission from  
Elk - D. Montgomery, K. Mills, D. O'Toole, H. Edwards, W. Cook, S. Olsen, B. Bricker, D. Ewalt, A. Jensen, P. Yaeger, J. Logan, B. Combs
- 24 Aldosterone and Progesterone Producing Cortical Adrenal Tumor in a Cat - **I.D.R. Pardo**\*, G. Johnson, A. Declue, and M. Kiupel
- 25 Expression of leptospiral immunoglobulin-like protein by *Leptospira interrogans* and evaluation of its diagnostic potential in  
a Kinetic Enzyme Linked Immunosorbent Assay - R.U.M. Palaniappan, Y-F. Chang, F. Hassan, S. P. McDonough, M. Pough,  
S. C. Barr, K. W. Simpson, H. O. Mohammed, S. Shin, P. McDonough, and R. L. Zuerner
- 26 Evaluation of *lig*-based conventional and real time PCR for the detection of pathogenic leptospires – R.U.M. Palaniappan,  
Y-F. Chang, P. Harpending, S. P. McDonough, E. Dubovi
- 27 Bacteriological characterization of respiratory disease in calves and antimicrobial susceptibility - Y. Pineda, S. Mora, J. Santander
- 28 The distribution of *Mycobacterium avium subsp paratuberculosis* in Minnesota dairy farms using bacterial culture of fecal  
pools. **Raizman E.A**\*, S.J. Wells, C. Muñoz Zanzi, S.M. Godden
- 29 Detection of c-Kit (CD 117) on Cutaneous Mast Cell Tumors of Ferrets by Immunohistochemistry - J.A. Ramos-Vara,  
M.A. Miller, G.C. Johnson, C.M. Loiacono, and M. Kundu
- 30 Immunohistochemical Detection of Tryptase in Cutaneous Mast Cell Tumors of Ferrets - J.A. Ramos-Vara, M.A. Miller,  
G.C. Johnson, C.M. Loiacono, and M. Kundu
- 31 Isolation of Persistently Infected P388D, a Mouse Macrophage Cell Line, with *Ehrlichia risticii*, the Causative Agent of  
Potomac Horse Fever - S. Sahu, D.D. Pedersen, J. Stasko, and E. N. Ostlund
- 32 West Nile Virus Outbreak in Horses in North Dakota, 2002: A Characterization of the Equine Cases - L.A. Schuler,  
M.L. Khaita, N. Dyer and C.L. Stoltenow
- 33 Characterization of a Porcine Teschovirus isolated during an emerging disease investigation in imported pigs - J.V. Warg,  
J. G. Landgraf L. G. Koster, L. A. Anderson, S. L. Swenson, M. J. Yaeger
- 34 Differentiation of *Mycobacterium bovis* infection of cattle from *M. avium subsp. avium* and *M. avium subsp. paratuberculosis*  
infection using a recombinant ESAT-6:CFP-10 fusion protein - M.V. Palmer, W.R. Waters, B.J. Nonnecke, and F.C. Minion
- 35 Disseminated melanoma and osteogenic tumor in a rabbit - **F. Williams III**\*, C.M. Loiacono, L. Bloomfield
- 36 Effect of Delayed or Prolonged Fixation on Immunohistochemical Detection of Bovine Viral Diarrhea Virus in Ear-Notch  
Biopsies - M.A. Miller, A. Ramos-Vara, S.B. Kleiboeker, R.L. Larson
- 37 Apparent Seroprevalence of Anaplasmosis in Wild Ungulates from the Northwestern and Northcentral United States - J. B. Katz
- 38 Evaluation of SEM, SE75.3 and SE18.7 in ELISAS for Serum Antibody to *Streptococcus equi* - J.F. Timoney, A. Graves,  
S. Muthupalani, and J. Morrow
- 39 Investigation of Acute Nephrosis in a Herd of Beef Cattle in Nebraska - **L.G. Corbellini** \*, M. Carlson, B. W. Brodersen,  
A. Doster, D.G. Rogers, D.J. Steffen
- 40 Neosporosis in Cows Vaccinated with a *Neospora caninum* Vaccine - **L.G. Corbellini**, D.G. Rogers, D.J. Steffen,  
B.W. Brodersen, and D.R. Smith
- 41 Evaluation of a Multiplex PCR Assay for Identification of *Mycobacterium avium subsp. paratuberculosis* from Liquid  
Cultures - K.S. Anklam, E.J.B. Manning, S. Sreevatsan, and M.T. Collins
- 42 Detection of *Mycobacterium avium subsp paratuberculosis* in bovine feces and milk using Adiapure® extraction kit and Real  
time Adiavet® PCR kit. – B. Blanchard, Y. Versmisse and B. Chevallier
- 43 Development of Multiplex Real-Time RT PCR for the Detection of Akabane and Aino Viruses and Molecular Characterization  
of Israeli Isolates of Akabane virus - Y. Stram, A. Levine, L. Kuznetzova, J. Brenner, Y. Braverman, M. Guinni.
- 44 Detection of *Brachyspira hyodysenteriae* and *pilosicoli* in Porcine Feces Using Real-Time PCR - P. L. Bell-Rogers,  
M. Archambault, G. Josephson, B. McEwan, R. Friendship, J. Prescott, G. Maxie and H.Y. Cai
- 45 Transfer and Optimization of a Single-tube CSFV real-time RT-PCR Assay to a High-throughput 96 well format  
- A.J. Eberling, B.M. Martin, T.S. McKenna, T.R. Beckham
- 46 Prevalence study of *Coxiella burnetii* (Q-fever) in the United States dairy herds based on bulk tank milk testing by Trans-PCR  
- S.G. Kim, E.H. Kim, A.E. Cassano, E.J. Dubovi
- 47 Wildlife Disease Research at the APHIS National Wildlife Research Center - R.G. McLean, L. Clark, M. R. Dunbar, and K. C. Vercauteren

## ANNUAL MEETING COMMITTEE AGENDAS

### STANDING COMMITTEES:

#### **Journal of Veterinary Diagnostic Investigation Editorial Board**

Jerry Saliki chair/editor, Friday, October 22, 2004, St. Andrews

1. Welcome and introductions
2. Report from the editor
3. Discussion: matters arising from editor's report
4. Discussion: online manuscript submission/review implementation timelines
5. Discussion: the role of the editorial board after implementation of online submission/review
6. Editorial board appointments for 2005
7. Discussion: frequency of publication of the JVDI
8. Other matters

#### **Membership Committee**

Donal O'Toole and Richard Mock, co-chairs, 5:00-6:00pm, Saturday, Oct 23, Marsh Harbour

1. New member orientation review
2. Review of membership statistics
  - a. Renewals
3. New member welcome letter for 2005
  - a. Orientation 2005
4. Notice to delinquent members for 2005
5. Graduate student / resident involvement

#### **Publications committee**

Dave Steffen, chair, 8:00-10:00am, Friday, October 22, Oyster Bay

1. Newsletter Report - Blanchard
  - a. Brief update on newsletter
2. JVDI report - Saliki
  - a. Update on online submission/review and web editing by Allen Press and other options being considered by editorial board
  - b. Review of JVDI "Instructions to authors" and "Reviewer request form"
  - c. Report on current status, SI ranking, number of manuscripts received, accepted and rejected, turn-around on reviews.
  - d. Other items
  - e. Solicitation of topics for review article
3. Web report -Janke
  - a. Comments and discussion feedback regarding recent changes
  - b. Proposals for future change
4. Monograph proposals – Steffen
  - a. Do we have any?
  - b. Abortion Diseases of Livestock update.
  - c. Web publishing of monographs
5. Other items

## **Program committee and Committee Chairs Meeting**

Drs. Gary Osweiler and Donal O'Toole, co-chairs, 1:30-4:00pm, Monday, October 25, Arrowhead

Program Committee review of 2004 meeting & issues for 2005

1. Abstract review process
  - a. Standards/guidelines for abstracts
  - b. Criteria for oral vs poster selection
  - c. Preferred session allocations (by species, discipline, technology etc)
  - d. Volume of presentations and posters – goals and limitations
2. Scientific Sessions
  - a. Range and quality of presentations
  - b. Facilities
  - c. Space
3. Flow of LCD presentations; problems or issues with electronic presentations
  - a. Suggestions for improvement
4. Plenary Sessions
  - a. AAVLD Plenary Session
  - b. Joint USAHA/AAVLD Session
5. Committee Chairs Updates
  - a. Facilities, space issues/comments for 2004 meetings
  - b. Anticipated meeting room size for 2005
  - c. Committee action items for coming year
  - d. Suggested symposia topics for 2005
  - e. Items for executive board action

## **SPECIAL COMMITTEES:**

### **Approved Methods Committee**

Barbara Martin and Jim Pearson, co-chair, Friday, October 22, 8:00-10:00am, Victoria C

1. Test Validation:
  - a. Changes in the OIE test validation and certification procedures — Peter Wright
  - b. Status of the validation chapters on the OIE *Manual* — Jim Pearson
  - c. NVSL validation template — Barb Martin
  - d. Current APHIS validation efforts — Tammy Beckham
  - e. Update on HPAI and NDV test validation — Bev Schmitt
2. Proposed matrix of approved tests — Barb Martin
3. Discussion and proposals for revision of the matrix — Committee
4. FSIS/FDA electronic database of methods — FSIS Representative

### **Animal Health Information Systems, Joint USAHA/AAVLD committee**

Bruce Akey and Francois Elvinger, co-chairs, Monday, October 25, 12:30-5:30pm, Victoria C

1. Outcome of 2003 Resolutions
2. National Surveillance Unit/National Surveillance System development
3. Report on the E-Surveillance/Web-based Reporting meeting
4. Status of the Safeguarding Review recommendations regarding Information Systems.
5. National Animal Health Laboratory Network information systems development
6. Integration of LIMS and the National Prem ID/National Animal ID systems
7. Data Warehouses and Data Marts - what are they, pros/cons.
8. Brief presentations on the USDA-funded Premise ID/Animal ID projects (recent \$11 million RFP).
9. Syndromic Surveillance: Is it Worth the Effort and Standardization
10. New Resolutions

## **Aquaculture, Joint USAHA/AAVLD Committee**

Scott LaPatra and Tom Baldwin, co-chairs, Monday, October 25, 1:00-5:00pm, Biltmore.

1. Opening Comments (Scott LaPatra and Tom Baldwin)
2. Update on the National Aquatic Animal Health Plan (John Clifford or designee)
3. Update from The National Aquaculture Association (NAA representative)
4. Update from APHIS (APHIS representative)
5. Update from AVMA-ASAC (AVMA representative)
6. Update from FHS/AFS (Scott LaPatra)
7. Update from the Aquaculture Effluent Task Force (Gary Jensen or designee)
8. Regional US report updates (voluntary)
9. New Business
  - a. Draft Resolutions
10. Old Business
  - a. Review of last year's resolutions passed by this committee (progress reports of actions taken)

## **Administrative Management Personnel committee**

Geraldine Jessup, chair, 1:00-5:00pm Saturday, October 23 and 8:00am to noon, Sunday, October 24, Pebble Beach

Saturday, October 23, 1:00-5:00pm, Pebble Beach

1. LIMS/LIS Replacement Project - Jay Ross, UC Davis
2. Process Improvement: Value Stream Mapping - Kim Ramm, MSE
3. BSE Program Logistics - Ralph Cobb, Texas A&M
4. Process of Attaining ISO Accreditation-Equine Drug Testing Laboratory - Emily Sanson, UC Davis

Sunday, October 24, 2004, 8:00 a.m. – 12:00 noon

1. Laboratory Updates: Members/Attendees
  - a. QA Program Status
  - b. Disease Outbreak Issues
  - c. Facilities/Equipment Issues
  - d. Funding Issues
  - e. New Programs, i.e. NAHLN
  - f. Other Issues
2. Membership- Geraldine Jessup, Committee Chair

## **Bacteriology Steering committee**

Linda Schroeder-Tucker and Carol Maddox/Deepanker Tewari, co-chairs, Saturday, Oct 23, 8:00-10:00 pm, Torrey Pines

1. Standardization of laboratory tests
2. Report of the Biological Terrorism Preparedness Workshop
3. Report of the Bacteriology Subcommittee
  - a. Final recommendations on the Select Agent Protocols
4. Report of the Antimicrobial Susceptibility Testing Subcommittee
5. Other items

## **Antimicrobial Susceptibility subcommittee**

Ching Ching Wu and Doreene Hyatt, co-chairs, Friday, October 22, 1:00-3:00pm, Grandover East

1. Call to order, member introduction
2. Discussion of new NCCLS guidelines/ new names - CC Wu
3. Discussion of new susceptibility testing options - DR Hyatt
4. Discussion of new survey on NCCLS QC use - David Dargatz
5. New business

## **Bacteriology and Mycology subcommittee**

Drs. Susan Sanchez and Bill Fales, co-chairs, Friday, October 22, 8:00am- noon, Grandover East

1. AAVLD quality assurance self assessment (aka check test)
  - a. Purpose
  - b. Results and statistics
  - c. The electronic age
  - d. Comments
  - e. Volunteers for case submissions check test 2005
2. Bacteriology/mycology quality assurance and quality control guidelines for AAVLD-Accredited laboratories
3. Aerobic Bacteriology Sub-Committee News and updates
  - a. Standardization of laboratory tests
    - i. Standardization of *Salmonella* testing in pigs
  - b. Report of the Biological Terrorism Preparedness Workshop
  - c. Bioterrorism organisms SOP's (*Yersinia pestis*, *Bacillus anthracis*, *Brucella*, *Francisella*)
4. Anaerobic Bacteriology Sub-Committee news and updates
  - a. *C. difficile* update
5. Mycology Sub-Committee news and updates
6. Old business

## **Constitution, By Laws and Resolutions committee**

Dave Steffen, chair, Friday, October 22, 5:00-6:00pm, Oyster Bay

1. Review of current policies for submission of resolutions.
2. Review of resolutions or proposed by-law changes for compliance with constitutional guidelines.

## **Emergency Preparedness Workgroup**

John Andrews, chair, Friday, October 22, 9:00-10:00am, Pebble Beach

1. Discuss national plan for state-based emergency laboratory response
2. Discuss user-friendly checklist to assess lab preparedness relative to the guidelines
3. Review any further input on approved document Suggested Laboratory Guidelines for Animal Health Emergency Management

## **Enteric Diseases committee**

Chobi DebRoy, chair, Friday, October 22, 3:00-5:00pm, Grandover East

1. Dr. Shivaprasad: "Avian E. coli" (3:00 PM -3:40 PM)
2. Dr. Glenn Songer: "Things you'd already know about Clostridial Enteric Disease, if you'd been paying attention" (3:40 PM -4:20 PM)
3. Dr. Linda Mansfield "The challenge of diagnosing multifactorial gastrointestinal diseases" (4:20 PM- 5 PM)

## **Epidemiology Committee**

Mark Thurmond and Francois Elvinger, co-chair, Friday, October 10, 10:00am-Noon, Victoria B

1. Introduction, review of membership
2. Response to AAVLD 2003 Resolution on Animal Health Surveillance: Status of the strategic planning
3. Diagnostic Laboratory contribution to surveillance (NAHLN / non-NAHLN laboratories)
4. Discussion
5. Resolutions

## **Epidemiology committee Special Session on Test Validation**

Mark Thurmond and Francois Elvinger, Saturday, October 23, 8:00-10:00pm, Auditorium II

1. Introduction
2. Status of validation processes for assays for CSFV, FMDV, VSV, AIV, ENDV
3. *In silico* evaluation of sensitivity of FMDV PCR assay
4. Criteria and procedures used by USDA in officially approving assays, such as those for detection of ENDV, FMDV, CSFV, etc.
5. Discussion
6. Resolution

## **Food Safety Committee**

Hailu Kinde and Pat McDonough, Thursday, October 21, 6:30-8:30pm, Colony A

1. Call to Order (6:10 PM)
2. Activities/Coordination of FERN (Food Emergency Response Network), NAHLN (National Animal Health Laboratory Network) and LRN (Human Health Laboratory Response Network) -Patrick C. McCaskey, Senior Executive for Laboratory Services USDA, FSIS, Office of Public Health Science. (6:10-6:45 PM)
3. The role of Veterinary Diagnostic Laboratories in the Food Safety System - Pat McDonough/ Hailu Kinde. (6:45 PM-7: 40 PM)
4. Discussion on the Survey list of accepted/validated tests requested by the AAVLD Accreditation Committee - H. Kinde (6:45 PM-8:00 PM)
5. Group Discussion (8:00 PM-8:30 PM)

## **Foundation committee**

Barbara Powers, chair, Friday, October 22, 8:00-9:00pm, Riverdale

1. Approve agenda and minutes
2. Financial report
3. Awards
4. Development of new contribution categories
5. Other

## **Government Relations committee**

Bruce Akey and Willie Reed, co-chair, Saturday, October 23, 3:30-5:30pm, Bear Creek

1. Dept. Homeland Security Interface - how is it going, improve communications between DHS and AAVLD?
2. NAHLN - next steps (additional funding for expansion, test validation, routine FAD screening, etc...)
3. Sensitive Reporting Relationships with USDA, FDA, DHS (BSE, CWD etc...) - concerns with State Vets being kept in the loop
4. Status of expanded enrollment of labs in LRN - roadblocks, reporting requirements
5. AAVLD input into ARS research priorities
6. AAVLD input on future of Plum Island

## **Informatics Committee**

Jim Case and Jay Kammerzall, co-chairs, Friday, October 22, 1:00-3:00pm, Tidewater

1. National Animal Health Laboratory Network informatics update
- Meeting followed by NAHLN Information Technology Meeting same room 3:00-5:00pm

## **Laboratory Director's committee**

Bev Byrum and Ron Lewis, co-chairs, 5:30-7:30pm, Saturday, October 23, 2004, Grandover East

1. Dr. John Clifford, Deputy Administrator, USDA/APHIS/VS (5:30-5:50 pm)  
The National BSE Program: Progress Update
2. Dr. William C. Wagner, Professor, Ohio State University (6:00-6:20 pm)  
National Animal Health Laboratory Network-Budget news and program expansion
3. Mr. Dennis Senne, Virologist, USDA/APHIS/NVSL (6:30-6:40 pm)  
Molecular characterization and strain variation of highly pathogenic Avian Influenza in North America
4. Dr. Ronald J. Lewis, Director, Animal Health Centre, B.C. (6:50-7:00 pm)  
High Path Avian Influenza in British Columbia
5. Dr. Max Coats, Deputy Executive Director, Animal Health Programs (7:00 – 7:10 pm)  
Avian Influenza in Texas
6. Dr. Jim Case, California Animal Health Lab & Food Safety Lab System (7:10-7:30 pm)  
Informatics: Progress Toward Standardization

### **Laboratory Safety Committee**

Larry Thompson, chair, 1:00-~4:00pm, Sunday October 24, Grandover East

1. Once around with members for issues related to current safety concerns.
2. Review of Best Management Practices for CWD cases
3. Review and discussion on handling of BSE surveillance samples
4. Review and update on Shipping of Biological Samples
5. Other member laboratory concerns

**Waste Disposal Committee** will meet immediately following the Lab Safety Committee anticipated starting time ~4:00-5:00pm, Grandover East

1. Once around with member labs for current questions and problems.
2. Update from member labs on carcass disposal issues.

### **National Animal Health Laboratory Network- Director's meeting**

Barbara Martin, chair (NAHLN coordinator), Thursday, October 21, 2004, 7:00-9:00pm, Colony B/C

1. Definition of who is now included in the NAHLN
2. NAHLN activities update

### **Pathology Committee**

Donal O'Toole, chair, Sunday, October 24, Noon -2:00pm, Blandwood

1. Review of Saturday slide conference and selection of co-chair for 2005.
2. SOPs for pathology sections
3. Immunohistochemistry SOPs
4. Clinical Pathology subcommittee update - Claire Andreasen
  - a. QA/QC and accepted/approved methods in clinical pathology
5. Revising manual on Laboratory Diagnosis of Livestock Abortion
6. Improved training/recruitment for diagnostic pathologists - discussion.
7. CL Davis ideas for 2005

### **Quality Manager's committee**

Monte Reimers, chair, Friday October 22, 1:00pm - 3:00pm, Arrowhead

1. New member introductions
2. Quality manager appointments
3. Quality manuals – feedback from Accreditation Committee
4. Implementation plans – mechanisms for revisions
5. Training – by committee members, by consultants, target audiences
6. Toy stories – member experiences with software, equipment monitoring devices, calibration devices, or others
7. Creative ways to communicate quality policies to management and staff
8. Internal audits and management reviews
9. Statistical quality control
10. Other

### **Veterinary Analytical Toxicology & Mycotoxins and USAHA Environment Committees**

Brent Hoff, chair (VetAnalTox), Gavin Meerdink, chair (Environment) 3:30-6:30pm, Saturday, October 23, Auditorium IV

1. Mineral levels in animal health – the MSU experience with ICP - Dr. E. Braselton
2. FT-IR – a useful tool in veterinary toxicology and forensic food science - Mr. A. Moore
3. Blue-green algae toxicity – Analytical methods - Dr. M. Mostrom
4. Dioxin levels in animal feeds - Dr. R. Lovell
5. Perchlorate- methods and regulatory issues- Dr. B. Puschner, et. al.

## **Serology Committee**

Charles Baldwin and Jim England, co-chairs, Friday, October 22, 4:00-6:00pm, Victoria B

1. Opening Remarks
2. 2003 Meeting minutes approval
3. 2004 Agenda
4. Technical review of commercial test kits
5. National Veterinary Services Laboratory Updates
6. Commercial Reagent or New Product Updates
7. Unique Serology Manual
8. Summary of 2004 Leptospira MAT proficiency test results- David Miller (NVSL)
9. Comparison of Leptospira MAT titers between different strains of serovar hardjo - David Miller (NVSL)
10. Validated tests - (to expedite accreditation visits)
11. Committee matters: Subcommittees; Members; etc
12. Closing

## **Strategic Planning committee**

David Zeman, chair, Thursday, October 21, 2004, 3:00-5:00pm, Arrowhead

1. Review current AAVLD strategic plan

## **Virology committee**

David Benfield and Jim Evermann, co-chairs, Friday, October 22, 1:00-4:00pm, Auditorium III

Schedule subject to change prior to meeting.

1. Call to order, announcements and introductions (1:00-1:05)
2. PRRSV Committee Update: VetAlert, commercial real time PCR assay for detection of PRRSV (Tetracore, Inc) - Johnny Callahan and Jane Chritsopther-Hennings (1:05 to 2:00)
3. Update on Activities at National Veterinary Services Laboratory - Bev Schmitt (2:00 to 2:15)
4. Equine influenza virus/greyhound situation - Ed Dubovi (2:15 to 2:30)
5. Small Animal Diagnostics Update - Jim Evermann (2:30 to 2:45)
6. Either review of vesicular diseases or update on diagnosis of MCF\* (2:45 to 3:30)  
\* Actual presentation to be announced at meeting.
7. New business - Dave Benfield and Jim Evermann (3:30 to 4:00)
  - a. Pioneers in Virology Award
  - b. Nominating subcommittee for 2005



## AAVLD HOUSE OF DELEGATES 2004

<b>STATE</b>	<b>DELEGATE</b>	<b>ALTERNATE</b>
Alabama	Fred Hoerr	Langing Li
Alaska	Kathy Burek	John Blake
Arizona	Greg Bradley	Carlos Reggiardo
Arkansas	Paul E Norris	Hashim Ghori
California	Sharon Hietala	John Adaska
Colorado	Barbara Powers	Dorreene Hyatt
Connecticut	Herb Van Kruiningen	Sandy Bushmich
Delaware	H. W. Towers	Hiram N. Lasher
Florida	Dr. Betty Miguel	Open
Georgia	Charles Baldwin	Doris Miller
Hawaii	Open	Open
Idaho	Kendal Eyre	James J. England
Illinois	John Andrews	Gene Niles
Indiana	H. Leon Thacker	Steve B. Hooser
Iowa	Bruce Janke	Gary Osweiler
Kansas	Jerome Nietfeld	Open
Kentucky	Lenn Harrison	Open
Louisiana	Alma F. Roy	Robert P Poston
Maine	Open	Open
Maryland	Jimmy C. M. Huang	Open
Massachusetts	Teri Wheeler	Open
Michigan	Willie M. Reed	Thomas P. Mullaney
Minnesota	James E. Collins	Marie Gramer
Mississippi	Lanny Pace	S.W. Jack
Missouri	Stan Casteel	Gayle Johnson
Montana	A. W. Layton	D. Jeffrey Marshall
Nebraska	David Steffen	Douglas Rogers
Nevada	Annette Rink	David Thain
New Hampshire	Joseph J. Moore	Wendell Davis
New Jersey	Robert Eisner	Open
New Mexico	Gregory P. Jillson	Flint Taylor
New York	Alfonso Torres	Sang J. Shin
North Carolina	Gene Erickson	Karen Post
North Dakota	Neil Dyer	Mary Moen
Ohio	Beverly Byrum	Sheila Grimes
Oklahoma	Bill Johnson	Jerry Saliki
Oregon	Jerry Heidel	Rob Bildfell
Pennsylvania	Helen Acland	Daniel Shaw
South Carolina	Pamela Parnell	Bill Brewer
South Dakota	Regg Neiger	Larry Holler
Tennessee	Ronald B. Wilson	J. D. Tom Chang
Texas	Lelve Gayle	Melissa Libal
Utah	Jane Kelly	Tom Baldwin
Vermont	Open	Open
Virginia	Joseph Garvin	Jack Tate
Washington	James Evermann	Jay Weidener
West Virginia	Lynn Post	Randall Lovell
Wisconsin	Robert Shull	Open
Wyoming	Donal O'Toole	Ken Mills
Alberta	Bill Yates	Pamela Gale
British Columbia	Ron Lewis	Open
Manitoba	Peter Wright	Open
New Brunswick	James Goltz	Open
Newfoundland	None	Open
Nova Scotia	Linda Ferns	None
Ontario	Grant Maxie	Open
Prince Edward Island	Paul Hanna	Murray Hazlett
Quebec	Doris Sylvestre	Carmencita Yason
Saskatchewan	Andrew Allen	Open
Mexico	Open	Greg Appleyard
Puerto Rico	Open	Open
NVSL	Randall Levings	Open
USAHA	J. Lee Alley	Beverly Schmitt
		Rick Willer

## EXHIBITS SCHEDULED IN GREENSBORO

Exhibits and the AAVLD Poster Session will be open on Saturday (12:00 noon - 5:00 p.m.), Sunday (8:00 a.m.-3:30 p.m.) and Monday (8:00 a.m. – 1:00 p.m.), October 23-25, in the Prefunction Area on the 3<sup>rd</sup> floor of the Koury Convention Center, Sheraton Four Seasons Hotel, Greensboro, North Carolina.

Please take time to join our exhibitors and benefit from the information available on new products, techniques and procedures.

Following is a list of those planning to participate as of August 6. A complete “Exhibit Directory” will be distributed at the meeting.

### BD Diagnostic Systems

7 Loveton Circle, Sparks, MD 21152 (Phone: 800-638-8663; Fax: 410-316-4906; Web Site: [www.bd.com](http://www.bd.com))

BD Diagnostics, the worldwide leader in automated liquid culture systems, will be exhibiting the Bactec MGIT 960 paraTB system. This fully automated system utilizes a fluorescence signal with a newly optimized paraTB media for excellent recovery of M. paratuberculosis in fecal specimens. For solid culture of M. paratuberculosis, BD offers Herrold’s Egg Yolk Agar slants. We will also display an array of top quality microbiology products, including prepared and dehydrated culture media formulations, chromogenic media, and Difco Classic Antisera.

BD manufactures products to serve the needs of the clinical, industrial, pharmaceutical and veterinary microbiology laboratories worldwide. Please visit us in Booths 9 and 10.

### Bio-Rad Laboratories

2000 Alfred Nobel Dr., Hercules, CA 94547 (Phone: 510-741-5655; Fax: 510-741-5630; Web Site: [www.bio-rad.com](http://www.bio-rad.com))

Bio-Rad Laboratories is a world leader in creating advanced tools for biological exploration and clinical diagnostics. Its mission is to create innovative products and services that advance scientific research and development efforts, and support the commercialization and discovery of new technologies. Bio-Rad’s BSE test is the most widely used test in Europe and Japan and is recognized for its high level of sensitivity and specificity. Additionally, Bio-Rad is reported to be the fastest and easiest test method to adapt to mass screening programs. The Bio-Rad TSE test is the only test in the United States approved for BSE and Chronic Wasting Disease in all three affected species of cervid (mule deer, white-tailed deer and elk). USDA approval for scrapie is pending.

### Biovet, Inc.

4375 Ave. Beavory, St. Hyacinthe, Quebec, CANADA J2S 6M2 (Phone: 450-771-7291 x 246; Fax: 450-771-4158; Web Site: [www.biovet.com](http://www.biovet.com))

Biovet is a biotechnology firm that provides animal and agri-food health specialists with unique expertise in diagnostics and lab analysis.

### Centaur, Inc.

P. O. Box 25667, Overland Park, KS 66225-5667 (Phone: 913-390-6184; Fax: 913-390-5907)

Centaur sells products converted from human healthcare to equine applications. Examples include our 45-minute equine infectious anemia test, our 10-minute influenza test, a test for IgG in foals, and tests for two different blood reagents. Centaur’s newest products include three different strengths of iodine formulations, two formulations of isopropyl alcohol, three different topical sprays, bulk liquids to treat metabolic disorders, serve as laxatives, preserve tissues and to serve as delivery vehicles for custom-compounded medicinals. Centaur also has creams to treat inflamed, abraded tissue and solutions and stains to help identify parasites.

### Cepheid

904 Caribbean Dr., Sunnyvale, CA 94089 (Phone: 408-400-8456; Fax: 408-734-1346; Web Site: [www.cepheid.com](http://www.cepheid.com))

Cepheid, based in Sunnyvale, Calif., is a leading developer, manufacturer and marketer of fully integrated systems (Smart Cycler & GeneXpert) that enable genetic assessment when and where it is needed. The company is commercializing its technology and products worldwide for research, medical, and industrial applications requiring assessment of the human genome, infectious disease, cancer and bioterror agents. Cepheid introduces IDI-Strep B on the Smart Cycler, the first and only FDA-cleared and CDC Guideline-compliant assay that delivers reliable results in less than one hour, and can therefore replace culture methods for preventing Group B strep disease, a leading infectious cause of illness and death among newborns in the US. Please visit [www.cepheid.com](http://www.cepheid.com) for more information.

#### Crawford Industrial Group

9101 Parkers Landing, Orlando, FL 32824 (Phone: 800-228-0884; Fax: 407-851-2406; Web Site: [www.animal-cremation.com](http://www.animal-cremation.com))  
Since 1974, Crawford Industrial Group has equipped thousands of animal care, research, and control facilities with incineration/cremation systems which meet their unique operational demands and professional standards. Every one of our incineration systems meets the most stringent Federal EPA and State environmental requirements. Underwriters Laboratories (UL) has thoroughly tested and approved many of our products for your peace of mind and safety. We offer both “random feed” and “batch loading” incineration systems, ideally designed to perform large carcass and communal disposals as well as individual cremations. Visit our booth and speak with our representative to receive your free brochure and product literature or contact us at 800-228-0884.

#### Global VetLink, LC

2625 N. Loop Dr. #2130, Ames, IA 50010 (Phone: 515-296-0860; Fax: 509-691-8647; Web Site: [www.globalvetlink.com](http://www.globalvetlink.com))  
GlobalVetLink, LC ~ eHealth Certificates ~ the official Online eHealth Certificate system for the USDA / APHIS / VS Interstate Certificates of Veterinary Inspection. GVL provides advanced, state-of-the-art Internet application tools for animal health regulatory management. GVL facilitates efficient, real-time compliance with intrastate / interstate / international animal health regulations for State / Federal Animal Health Officials, Private Practitioners, Diagnostic Labs and Animal Industry Owners. Applications include: Official Certificates of Veterinary Inspection for all species, ePermits, Small Animal Transfer of Ownership / For Sale and EIA / Coggins with Diagnostic Lab connectivity to federally accredited animal diagnostic laboratories — all with digital images!

#### IDEXX Laboratories, Inc.

One Idexx Dr., Westbrook, ME 04092 (Phone: 800-548-9997; Fax: 800-328-5461; Web Site: [www.idexx.com](http://www.idexx.com))  
The Production Animal Services (PAS) Division of IDEXX Laboratories, Inc., develops, manufactures and sells over 50 different ELISA, DNA Probe, and PCFIA-based detection systems for animal health and quality assurance applications. Laboratories around the world use PAS products for the detection and monitoring of diseases affecting livestock and poultry, and our xChek data management software simplifies and organizes test results. The latest addition to PAS product portfolio is the IDEXX HerdChek BSE Antigen EIA Test Kit. The second generation test is USDA-approved for both manual and automated applications and is participating in the current round of European Commission validation studies. For more information, please contact us by phone: (800) 548-9997 or (207) 856-0300; email: [PASweb@idexx.com](mailto:PASweb@idexx.com); or visit our website at [www.idexx.com](http://www.idexx.com).

#### Key Scientific Products

1402 Chisholm Trail #D, Round Rock, TX 78681 (Phone: 800-843-1539; Fax: 888-440-4208; Web Site: [www.keyscientific.com](http://www.keyscientific.com))  
Key Scientific manufactures rapid tests for microbiology and sells ancillary lab products. We also offer latex antigen tests made by Denka Sieken and products by SDL, OXOID and others.

#### National Institute for Animal Agriculture (NIAA)

1910 Lyda Ave., Bowling Green, KY 42104 (Phone: 270-782-9798; Fax: 270-782-0188; Web Site: [www.animalagriculture.org](http://www.animalagriculture.org))  
The National Institute for Animal Agriculture (NIAA) is a forum for building consensus and advancing solutions for animal agriculture and to provide continuing education and communications linkages to animal agriculture professionals. This statement, our mission, truly reflects NIAA - where it's been, where it is, and where it is going. NIAA is the only forum where producers/owners (cattle, equine, poultry, small ruminants and swine), scientists (corporate, academia and government), veterinarians (private practice, industrial and government), regulators (state and federal), and business executives (corporate and association) meet in a common effort to deal with shared issues and opportunities.

#### Prionics AG

P. O. Box 11473, Shorewood, WI 53211 (Phone: 414-324-3334; Fax: 888-205-0807; Web Site: [www.prionics.com](http://www.prionics.com))  
Prionics AG is a high-tech company in the biotechnology industry. Our activities are centered on neurological diseases. In our headquarters located in Schlieren, Switzerland, we are continuously developing innovative solutions aimed at diagnosing and treating such diseases. Prionics AG is the world leader in fast, reliable BSE tests and has evolved into a competence center on the so-called prion diseases such as BSE and CJD.

#### Quality Systems Integrators

148 Magnolia Dr., Chester Springs, PA 19425 (Phone: 610-458-0539; Fax: 610-458-7555; Web Site: [www.qsi-inc.com](http://www.qsi-inc.com))  
Quality Systems Integrators provides powerful software to efficiently manage documents and training records. Our TMSWeb product is completely web-based and simplifies the tedious tasks surrounding compliance to AAFLD requirements, and other certifications such as ISO and electronic records & electronic signatures. TMSWeb provides access control, workflow, job certification, training & document management, and is fully integrated with e-mail systems. Additional software modules are available for Testing/Quizzing, Corrective Action and Internal Auditing & Change Control. TMSWeb is reasonably priced, saving you time and money by streamlining your processes and enhancing employee productivity.

#### Synbiotics Corporation

11011 Via Frontera, San Diego, CA 92127 (Phone: 858-451-3771; Fax: 858-451-5719; Web Site: [www.synbiotics.com](http://www.synbiotics.com))

Synbiotics is a leading developer of veterinary diagnostics for laboratories. Our laboratory tests include the most popular test for Equine Infectious Anemia — ViraCHEK®/EIA (also available as an AGID), plus a complete line of Poultry tests. Other laboratory diagnostics are available for FeLV, Heartworm, Brucellosis, CRF, Distemper, Parvovirus and Coagulation.

#### Tetracore, Inc.

11 Firstfield Rd. #C, Gaithersburg, MD 20878 (Phone: 301-258-7553; Fax: 301-258-9740; Web Site: [www.tetracore.com](http://www.tetracore.com))

VetAlert™(Research Use Only) products for Real Time Polymerase Chain Reaction (PCR) detection of animal pathogens including: Viral RNA for Classical Swine Fever, Foot-and-Mouth Disease, Porcine Reproductive and Respiratory Syndrome (US & European-Like Lelystad), and West Nile (Group I and II). Bacterial DNA for *Mycobacterium paratuberculosis*. The Vet Alert™ product line contains primers and probes that have been designed to provide exquisite sensitivity and fast reaction kinetics; each kit has been optimized for each animal pathogen for peak performance. The sensitivity and speed of our real time PCR Kits are equal to or better than classic, “gold standard” methodologies. All kits contain premade, optimized mastermixes. Everything needed to perform fast, accurate, and sensitive real time PCR tests is included in the kit. They are optimized for each pathogen and can be used on various instrument platforms including Cepheid™ Smart Cycler®, ABI Prism® Sequence Detector, Roche® Light Cycler®, and BioRad® iCycler™. In addition to use in state-of-the-art laboratories, several of our products have been field tested under rugged conditions.

#### Trek Diagnostic Systems

982 Keynote Circle #6, Cleveland, OH 44131 (Phone: 800-871-8909; Fax: 216-351-5456; Web Site: [www.trekds.com](http://www.trekds.com))

TREK Diagnostic Systems, the New Energy in Microbiology, provides innovative products to the veterinary microbiology laboratory, including ESP® Automated Detection System and para-JEM™ reagents for the detection of *Mycobacterium avium ssp.* Paratuberculosis, and Sensititre® automated and manual identification and susceptibility technologies. TREK's products provide cost effective improvements in workflow efficiencies, ergonomics, and test result performance.

#### Ventana Medical Systems, Inc.

1910 Innovation Park Dr., Tucson, AZ 85737 (Phone: 520-229-3867; 520-906-2847 (cell); Fax: 520-229-4071; Web Site: [www.ventanamed.com](http://www.ventanamed.com))

Ventana develops, manufactures and markets instrument/reagent systems that automate slide staining in clinical histology and drug discovery laboratories worldwide. Ventana's clinical systems are essential tools used in the diagnosis and treatment of cancer and infectious diseases. Ventana offers solutions for complete automation of Immunohistochemistry, In Situ Hybridization and Special Stains.

#### Vetstar

79 N. Franklin Turnpike, Suite 103, Ramsey, NJ 07446 (Phone: 201-934-7127; Fax: 201-236-1891; Web Site: [www.vetstar.com](http://www.vetstar.com))

VETSTAR Animal Disease Diagnostic System (VADDS) is a Windows based comprehensive laboratory information system for animal diagnostic labs. Unlike other LIMS systems, VADDS is FULLY DEVELOPED, currently runs many labs, does not require in-house programmers, and provides solutions TODAY. . . as well as in the FUTURE. The complete suite of VADDS modules includes the LIMS system, a remote access system called RAVEN, and web access called Websuite. These modules operate independently, or as a unified system providing your staff and clients with the most sophisticated lab processing in the veterinary industry. VADDS includes complete client billing, auto results faxing/email, interfaces to word processors or instruments, case coordinator processing, image capture, client access via the WEB, remote case login from client sites or laptops, customized worksheets, complete financial accounting, and support for multiple lab site processing. A complete audit trail is maintained of all transactions, and extensive statistical reporting is supported, as well as retrospective searches of lab results. VADDS is also fully integrated with a complete suite of accounting modules including General Ledger, Accounts Payable, Inventory and Purchase Order. VADDS runs on most popular computers using Windows, UNIX or Linux operating systems. VADDS is the most economical LIMS package in the veterinary industry, and is produced by a company that has a long track record of stability and dependability. We look forward to discussing your laboratory needs.

#### Viral Antigens, Inc.

5171 Wilfong Rd., Memphis, TN 38134 (Phone: 901-382-8716; Fax: 901-382-0027; Web Site: [www.viralantigens.com](http://www.viralantigens.com))

Viral Antigens, Inc., manufactures manual and semi-automated test kits for detection of Pseudorabies Virus Antibodies in Swine Serum. These tests are licensed and designated as official tests by the USDA. Both test formats offer high sensitivity and specificity. The semi-automated Autolex® PRV assay offers convenience and cost savings for high volume laboratories. Our management and technical staff will be available to discuss your specific requirements for Pseudorabies Antibody detection.

VMRD, Inc.

4641 Pullman-Albion Rd., Pullman, WA 99163 (Phone: 509-334-5815; Fax: 509-332-5356; Web Site: [www.vmr.com](http://www.vmr.com))

VMRD, Inc. produces high-quality, USDA-licensed diagnostic test kits for infectious diseases such as Anaplasma, BLV, BTV, CAEV, EIAV, MCFV, and Neospora; research reagents such as FA conjugates, IFA slides and controls, and a wide selection of monoclonal and polyclonal antibodies against infectious agents, immunoglobulins, CD markers, MHC antigens, cytokines, and hormones. We also produce an array of RID kits for quantitative analysis of immunoglobulin concentrations in many species, and other immunological assays such as Coombs' and FPT kits. We are pleased to announce USDA licensure of our CAEV Antibody Test Kit, cELISA this year. VMRD remains committed to providing high-quality products, friendly customer service and excellent technical support.

Waste Reduction by Waste Reduction, Inc. (WR2)

2910-D Fortune Circle Dr. W., Indianapolis, IN 46241 (Phone: 317-484-2488; Fax: 317-484-4201; Web Site: [www.wr2.net](http://www.wr2.net))

The WR2 process converts animal, human, and microbial tissues into a sterile, neutral, aqueous solution suitable for disposal to a sanitary sewer, or land application as a fertilizer. The WR2 Tissue Digester sterilizes and digests in one operation; reduces waste volume and weight by up to 97 percent and completely destroys pathogens, including prions.

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## POSITION ANNOUNCEMENTS

**ANALYTIC EPIDEMIOLOGIST** at the University of Tennessee, College of Veterinary Medicine. This full-time, tenure-track appointment at the Assistant/Associate Professor level will be expected to provide instruction in epidemiology to professional (DVM) and graduate students, develop an independent, externally-funded research program, provide academic service through consultation on study design and statistical support, and establish collaborative research with others. The position is ~50% research and 50% teaching/academic service (distribution negotiable). Requirements: DVM or equivalent degree, attained, or nearing completion of a PhD degree. Board certification in preventive medicine and certification in the sub-specialty of epidemiology is desired. Training or experience in risk assessment, infectious disease modeling, zoonotic diseases, food safety or environmental health is desired. Information on the Department is available at <http://www.vet.utk.edu>. Applicants should submit: curriculum vitae, transcripts from institutions that conferred degrees, a statement of research and teaching goals, and contact information for three references. Submit applications to Dr. David Bemis, Chair, Search Committee, Department of Comparative Medicine, College of Veterinary Medicine, 2407 River Drive, Rm. A205, Knoxville, TN 37996-4543. Review of applications will begin **August 1, 2004** and continue until the position is filled.

**EPIDEMIOLOGIST/PUBLIC HEALTH VETERINARIAN** in the Pennsylvania Department of Health. This position, located at Harrisburg, is responsible for statewide administrative and scientific work for the Pennsylvania Department of Health in the field of veterinary public health epidemiology and veterinary preventive medicine. Salary: \$79,042 to \$96,353 plus benefits. Requirements: a D.V.M., and a master's degree with a major in epidemiology; or a Dr.Ph., Ph.D. in epidemiology. Two years of professional experience in disease outbreak investigations, designing and conducting epidemiological studies, or designing and managing a disease surveillance system; or completion of a 2-year or longer post-doc or residency with emphasis in epidemiology, or comparable program. Applicants will be required to complete a Civil Service application and supplement. For application materials or more detailed information, please contact Victor Romain, Pennsylvania Department of Health, Bureau of Human Resources, Room 613, Health and Welfare Building, Harrisburg, Pennsylvania 17120. 717-783-0296.

**IMMUNOLOGY/SEROLOGY** full-time tenure track Assistant/Associate/Professor position in the Department of Veterinary Microbiology and Pathology, College of Veterinary Medicine, Washington State University. The position is 70% research and 30% teaching. Responsibilities: develop and maintain an independent extramurally funded research program. A PhD degree and excellent teaching in a clinically relevant context required. Preference given to candidates with demonstrated abilities in attracting funding, conducting and publishing research. A DVM or equivalent degree is preferred. Applicants at Associate Professor or Professor level must have a very strong publication record, current extramural funding and excellent teaching credentials. Applications will be accepted until August 23, 2004. The anticipated start date is January 1, 2005. For more information: <http://www.vetmed.wsu.edu/employment/>. Submit letter of application, curriculum vitae, and names and addresses of three references to Dr. Stephen Hines, c/o Ms. Sue Zumwalt, College of Veterinary Medicine, Washington State University, P.O. Box 647040, Pullman, WA 99164-7040.

## POSITION ANNOUNCEMENTS (CONT.)

**MICROBIOLOGY- EXTENSION ASSOCIATE** at laboratory facilities located in Eastport, Long Island part of the Cornell University Duck Research Laboratory. Responsibilities: 1) supervise and manage the avian disease diagnostic and extension service, 2) participate in development, production and testing of USDA-licensed biologics, 3) develop and conduct research on important problems to the duck industry, and 4) supervise technical staff. Qualifications: Candidates should have a DVM or equivalent degree or an advanced degree in microbiology, (virology or bacteriology), and experience in poultry disease diagnosis or research, preferably both. DVM or equivalent degree with a master in avian medicine is preferred. The incumbent will be a member of the staff of the College of Veterinary Medicine at Cornell University. Applicants should submit a letter of interest, CV as well as three sealed letters of reference to: Professor Edward Dubovi, Chair, Search Committee Cornell University, College of Veterinary Medicine D2 035 Diagnostic Laboratory Box 47, Ithaca, NY 14853

**ANATOMIC PATHOLOGIST** tenure-track faculty position in the Department of Biomedical Sciences and Pathobiology at the VA-MD Regional College of Veterinary Medicine available immediately. Responsibilities include gross and microscopic pathology service; teaching in the D.V.M. curriculum, and guiding residents and graduate students; research and publication. Requirements: D.V.M. (or equivalent degree) and Ph.D.; A.C.V.P. board eligible, with the expectation that Diplomate status will be achieved within 2 years. Preference to candidates who are ACVP diplomates. Open until position is filled. Applications received by October 31, 2004 are assured full consideration. Send a letter of intent, C.V., and contact information for 3 references to: Dr. Ludeman A. Eng, Department of Biomedical Sciences and Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine; Virginia Tech (0442) Blacksburg VA 24061. More info: from Dr. Eng at the address above, by phone at 540-231-4809 or e-mail: laeng@vt.edu

**ANATOMIC PATHOLOGIST** full-time clinical nontenure-track or tenure-track Assistant, Associate, or full Professor in the Veterinary Diagnostic Laboratory ([www.cvm.uiuc.edu/vdl/](http://www.cvm.uiuc.edu/vdl/)) and the Department of Veterinary Pathobiology, College of Veterinary Medicine at the University of Illinois at Urbana-Champaign. Starting date is January 1, 2005. Requirements: DVM or equivalent degree and ACVP or equivalent certification or commitment to achieving certification; advanced training and experience in diagnostic veterinary medicine. Tenure track position: advanced degree is required. Duties include diagnostic service casework, instruction of veterinary students, pathology residents, graduate students, and post-DVM's, creative scholarly activities. Clinical nontenure appointment is 75% service, 15% teaching and 10% creative scholarly activity. Tenure-track appointments have greater teaching and research. For full consideration, applications must be postmarked by **October 31, 2004**. Informal inquiries to the Search Committee Chair (Dr. Wanda Haschek-Hock, [whaschek@uiuc.edu](mailto:whaschek@uiuc.edu), phone 217-333-3947). Applicants should submit a letter of interest describing their professional goals, a curriculum vitae with the names, addresses, telephone numbers and e-mail addresses of at least three professional references to: Amanda Matson, Search Coordinator, University of Illinois College of Veterinary Medicine, 2001 South Lincoln Ave, Urbana, IL 61802, (217) 333-7259.

**ANATOMIC VETERINARY PATHOLOGISTS** for two tenure-eligible positions at the assistant to full professor level with partial service commitment in the Veterinary Medical Diagnostic Laboratory in the Department of Veterinary Pathobiology, College of Veterinary Medicine at the University of Missouri-Columbia. Candidates must have a DVM or equivalent, board certification or eligibility in anatomic pathology, and a commitment to the three-fold academic missions of service, research and teaching. Preference will be given to candidates with a PhD and ACVP certification. Selection criteria are the following: experience and certification, communication skills, ability to interact with clients and collaborators, and demonstrated research capabilities. Applications will be accepted until a suitable candidate is found. Interested persons should send a curriculum vitae, a letter summarizing career aspirations and the names and addresses of 3 references to Dr. Gayle Johnson, Veterinary Medical Diagnostic Laboratory, University of Missouri, P.O. Box 6023, Columbia MO 65205. Nominations may also be submitted to Dr. Johnson by letter, by phone (573) 882-6811.

**ANATOMIC VETERINARY PATHOLOGIST** as a clinical faculty in the Department of Pathobiological Sciences, University of Wisconsin-Madison. Responsibilities include necropsy and surgical pathology services, veterinary medical student teaching, resident training and independent and/or collaborative research. In approximately two years, pathologists from the School of Veterinary Medicine and Wisconsin Veterinary Diagnostic Laboratory will work together in the new WVDL to be built next to the School of Veterinary Medicine. Applicants must have a DVM degree or equivalent and a Ph.D. degree is desired. ACVP certification or an intention to achieve certification is required. Send curriculum vitae and names of at least three references with cover letter outlining career goals to: Dr. R.D. Schultz, Professor and Chair, Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin-Madison, 2015 Linden Drive, Madison, WI 53706-1102, 608-263-9888

**VETERINARY PATHOLOGIST** tenure-track Assistant/Associate Professor level at the University of Connecticut, Department of Pathobiology and Veterinary Science. A DVM or equivalent and/or a Ph.D. degree in pathology or a related discipline are required. Responsibilities: establish/maintain an extramurally funded research program, contribute to the undergraduate and graduate teaching mission, participate in the diagnostic pathology service and veterinary pathology residency program of the Connecticut Veterinary Medical Diagnostic Laboratory. Applicants should submit a curriculum vitae, statements of research interest and teaching philosophy,

and arrange for three letters of recommendation to be sent to: Department of Pathobiology and Veterinary Science, 61 North Eagleville Road, Unit 3089, Storrs, CT 06269-3089. Applicants may view our website (<http://patho.uconn.edu>) for additional information. Review of applications will begin immediately and continue until position is filled.

**POULTRY VETERINARIAN** clinical or tenure-track Assistant/Associate/Professor in the College of Veterinary Medicine, Mississippi State University located at the Poultry Research and Diagnostic Laboratory (PRDL), Pearl, MS. This laboratory is part of the Mississippi Veterinary Research and Diagnostic Laboratory System. Responsibilities: avian necropsies and the interpretation and reporting of diagnostic test results; function primarily within the laboratory but should be available to work with production companies; supervision of technicians and laboratory operations. Requirements: DVM or equivalent and advanced training in poultry medicine; ability to communicate with veterinarians and producers; understanding of poultry production. Preference given to candidates with board certification by the American College of Poultry Veterinarians; experience in a poultry diagnostic laboratory environment and poultry production experience; interest in applied research. **Applications accepted until the position is filled.** Qualified applicants should submit a letter of application describing their interests and professional goals, official transcripts, curriculum vitae, and names and addresses of three references to Dr. Danny L. Magee, Director, Poultry Research and Diagnostic Laboratory, P. O. Box 97813, Pearl, MS 39288.

**VETERINARY PATHOLOGIST** tenure-track or clinical track faculty in the Department of Pathobiology, Texas Veterinary Medical Center, Texas A&M University. Primary responsibility in the Dermatopathology Service also participate in team-teaching to veterinary students and pathology residents, and surgical pathology and necropsy services. Tenure track position is expected to establish/maintain a funded research program. Clinical track position expectation of collaborative scholarly activity. Requirements: ACVP certification or eligibility, and a PhD or MS degree is desirable. Review of applicants will begin immediately and continue until the position is filled. Applicants should send a curriculum vitae, a statement of scholarly interests, pertinent reprints and a list of three references to the Pathology Search Committee, Dept of Pathobiology, Texas Veterinary Medical Center, Texas A&M University, College Station, TX 77843-4467. Tel 979-845-3365; FAX 979-845-9231. Additional department information may be viewed at <http://vtpb-www.cvm.tamu.edu>.

**VETERINARY PATHOLOGIST** non-tenure-track faculty appointment as Lecturer at Clemson University within the Veterinary Diagnostic Center. The successful candidate will become part of a team of diagnostic professionals with an exceptional support staff in a full service, AAVLD-accredited laboratory in Columbia, SC. The position is currently 100% service, providing necropsy, biopsy, and cytology services to a wide variety of clients. Opportunities for pursuit of research interests are available within Clemson University, and in cooperation with other public and private universities. Please see the AAVLD website for a complete description of the qualifications required and preferred for this position, as well as application procedures, or contact Dr. Pamela Parnell, by e-mail at PPRNLL@clemson.edu, or by phone (803) 788-2260 ext 245. Review of applications will begin **August 15, 2004** and continue until the position is filled.

**VETERINARY ANATOMIC OR CLINICAL PATHOLOGIST** full-time at the Arkansas Veterinary Diagnostic Laboratory (AAVLD-accredited). The position involves a 100% commitment to service activities (cytology, biopsy, and necropsy of all species). Teaching and research are not required, but collaboration opportunities are available. A DVM/VMD and ACVP certification/eligibility are required. Applicants should submit a letter of intent, curriculum vitae, and a list of three references to Dr. Paul Norris, Director of Laboratories, Arkansas Livestock & Poultry Commission, P.O. Box 8505, Little Rock, AR 72215; phone 501-907-2430; pnorri@arlpc.org

**PATHOLOGY FELLOW** in Zoo and Wildlife Pathology at the University of Illinois College of Veterinary Medicine Zoological Pathology Program (ZPP) and Veterinary Diagnostic Laboratory, in association with Chicago's Brookfield Zoo, John G. Shedd Aquarium and Lincoln Park Zoo Two-year program provides training in the pathology of aquatic, zoo, exotic and wildlife species. Requirements: DVM/VMD or equivalent from AVMA-accredited college of veterinary medicine and at least two years of pathology training. The ZPP operates out of Loyola University Medical Center in Chicago area. Responsibilities include diagnostic pathology services, training of ZPP residents, and collaborative and/or independent research. Starting stipend is \$41,000. Anticipated start date August 1, 2005. Applications should be received by **December 1, 2004** for fullest consideration. To apply for the position send a Curriculum Vitae, narrative of career goals, and 3 letters of reference to: Dr. Karen Terio, Chair, Zoo and Wildlife Pathology Fellow Search Committee, Zoological Pathology Program, Loyola University Medical Center, Building 101 Room 0745, 2160 South First Avenue, Maywood, Illinois 60153 Tel. 708-216-1185 FAX 708-216-5934

**VETERINARY CLINICAL PATHOLOGIST** clinical-track or tenure-track position at the University of Georgia, College of Veterinary Medicine. Requirements: Board certification as a Veterinary Clinical Pathologist for clinical and tenure-track positions. Tenure-track position also requires Doctor of Philosophy degree. Responsibilities include 1) participate in teaching professional (DVM) students and residents, 2) participate in the clinical pathology service activities, 3) develop an independent or collaborative research program. Applicants should submit a curriculum vitae and the names and addresses of three professional references to Dr. Barry G. Harmon, Head, Department of Veterinary Pathology, College of Veterinary Medicine, The University of Georgia, Athens, GA 30602-7388. Applications received by **September 1, 2004** are assured consideration.

**VETERINARY PATHOLOGIST** - permanent, full-time Veterinary Medical Officer GS-12/13 at USDA, APHIS, Foreign Animal Disease Diagnostic Laboratory on Plum Island, NY. Salary is \$63,103 to 97,553 per year plus benefits. Must be U.S. citizen. A degree of Doctor of Veterinary Medicine or equivalent with advanced training in pathology is required. Duties include conduct gross necropsy and histopathological examination on livestock; develop, evaluate, enhance, or simplify diagnostic assays for foot-and-mouth disease, classical swine fever and other foreign animal diseases; teach at the foreign animal disease course and communicate with federal regional directors, emergency program and international services. For more information, please call (631) 323-3256/3206.

**VETERINARY PATHOLOGIST** non-tenure track position starting immediately at Texas Veterinary Medical Diagnostic Laboratory (TVMDL), a part of The Texas A&M University System. Responsibilities include providing diagnostic pathology, particularly biopsy reading and necropsies of a variety of species, maintaining and developing quality assurance procedures. The ability to interact, consult and communicate with practicing veterinarians is essential. Qualifications include a DVM degree and post graduate training in pathology. ACVP certification/eligibility or advanced degree in Veterinary Pathology is preferred. Temporary employment at 80% for individuals desiring to prepare for ACVP certification. To apply, send letter of intent with curriculum vitae and the names and addresses of 3 references to : Dr. Bruce Abbitt, Head, Diagnostic Pathology, TVMDL, PO Drawer 3040, College Station, TX 77841-3040. Tel: (888) 646-5623, Fax: (979) 845-1794, tvmdlweb.tamu.edu

**VETERINARY PATHOLOGIST** at the Breathitt Veterinary Center of Murray State University to perform duties in a full service veterinary diagnostic laboratory. Minimum qualifications: a DVM or equivalent degree from an AVMA accredited institution, and an MS or PhD degree in Veterinary Pathology, with demonstrated ability to in diagnostic mammalian pathology and ability to communicate with veterinarians, producers and staff members. Independent and cooperative research and publication is supported. Applications will be received until **October 31, 2004**. Applicants should submit curriculum vitae along with the names and addresses of three references and a letter outlining their professional interest and goals to: Dr. Louis L. Pittman, Chairman, Search Committee, MSU Breathitt Veterinary Center, P. O. Box 2000, Hopkinsville, KY 42241-2000

**VETERINARY PATHOLOGIST** as Academic Specialist Continuing Appointment available immediately in the Diagnostic Center for Population and Animal Health (DCPAH), College of Veterinary Medicine, Michigan State University. Requirements: a DVM or equivalent and certification by the American College of Veterinary Pathologists (ACVP), or will possess a DVM degree and PhD with satisfactory progress toward ACVP certification. Responsibilities: principally surgical pathology (biopsy) service, also supervisory responsibility and comprehensive pathological examinations on animals and tissues, consultations and participation in teaching. Qualified applicants are invited to send a curriculum vitae and names of at least three references to Dr. Willie M. Reed, Director, Diagnostic Center for Population and Animal Health, P.O. Box 30076, Lansing, MI 48909-7576. Questions about this position may be referred to Dr. Reed (phone 517-353-0635, fax 517-432-5836, e-mail Reed@dcpah.msu.edu). Application deadline: **September 15, 2004**, or until an acceptable candidate is identified.

**VETERINARY PATHOLOGIST**, tenure-track, Assistant, Associate, or Full Professor, in the Department of Veterinary Microbiology and Pathology (VMP), College of Veterinary Medicine, Washington State University starting July 1, 2005 or earlier. Responsibilities: ~60 research and 40% education/service includes mentoring graduate students in research and diagnostics and training of 4<sup>th</sup> year vet students, serves as a senior pathologist in the Washington Animal Disease Diagnostic Laboratory (WADDL) providing diagnostic necropsy and histopathology. Information on WADDL and VMP at: [www.vetmed.wsu.edu](http://www.vetmed.wsu.edu). Requirements: D.V.M. (or equivalent) and a Ph.D degree. Diplomate status in the American or European College of Veterinary Pathologists or eligibility and intention to become a diplomate. **Closing date is December 31, 2004**. Applicants should submit a curriculum vitae, with names and addresses of three references, and a letter stating professional interest to: Dr. Terry McElwain, c/o Sue Zumwalt, Department of Veterinary Microbiology and Pathology, Bustad Hall, Washington State University, Pullman, Washington 99164-7040, (509) 335-6030.

**VETERINARY MEDICAL FIELD OFFICER** - Southeastern Region. This positions will implement animal and poultry disease control programs in an assigned area of the state in the Bureau of Animal Health and Diagnostic Services in the Pennsylvania Department of Agriculture. Employee supervises animal and poultry health technicians, disease control and eradication services and assigned territory, and contacts animal and poultry owners and organizations to gain their acceptance of animal health programs, and provide veterinary medicine advice. This is a Civil Service position with salary ranging from \$48,646 to \$73,956 with benefits. Information on this position can be found at <http://classweb.state.pa.us> or by calling (717)772-2852.



**QUALITY ASSURANCE CONTRACT VETERINARIAN.** Bureau of Animal Health and Diagnostic Services is interested in contracting with private, accredited veterinarians to aid in the tasks of coordinating and monitoring quality assurance programs, including implementation of the Chronic Wasting Disease Program, National Poultry Improvement Plan, Avian Influenza Monitored Flock Program, and Dairy and Beef Quality Assurance Programs. Position will work with accredited veterinarians, producers, PDA and PSU/Univ of Penn veterinarians in promoting and auditing programs and serve as coordinators in Emergency Planning, specifically, development and coordination of State and County Animal Response Teams (SART and CART). Please direct your inquiries to Sue Berkheimer at: Pennsylvania Department of Agriculture Bureau of Animal Health and Diagnostic Services 2301 North Cameron Street, Harrisburg, PA. 17110. Phone 717-772-2852; Fax 717-787-1868

**QUALITY ASSURANCE MANAGER** at the New York State Animal Health Diagnostic Laboratory (AHDL) to develop, implement, establish and maintain Quality Assurance (QA) program including the compilation and maintenance of a QA manual and implementation. Facilitate establishment of QA procedures and guidelines through consensus building. Develop methods for monitoring and reporting and identify QA training needs. Requirements: bachelors with 5-7 years experience or equivalent combination. Bachelors or equivalent coursework with four years training in microbiology, biology or other medical discipline desired. Advanced graduate degree preferred. Experience in a hospital, laboratory, or research facility with established QA procedures and supervisory/managing experience. Excellent communication, interpersonal, and organizational skills. No relocation assistance is provided for this position. To apply please visit <http://www.ohr.cornell.edu/jobs>.

**MICROBIOLOGY/CELL BIOLOGY RESEARCH ASSISTANT/ASSOCIATE** at Trinity BioSystems, a pre-clinical stage biopharmaceutical company. Position will perform studies in protein biochemistry with a variety of instruments and approaches and carry out cell biology and microbiology assays. Requirements: B.S. or equivalent degree in biology and 1-3 years of research laboratory experience in the area molecular biology, protein biochemistry, cell biology, microbiology, histology, or/and immunology. Proficiency in a broad range of technical skills such as cell culture, cell transfection, ELISA, SDS-PAGE, Western blotting, PCR, immunoprecipitation, light/fluorescent microscopy, ECIS, etc. Ability to design, carry-out, analyze and report on experiments. Contact info: Please submit your CV and cover letter by mail, fax or email to: Trinity Biosystems, Inc. Human Resources, 1455 Adams Dr., Suite 1317, Menlo Park, CA 94025, Fax: 650-566-0793

**ENVIRONMENTAL TOXICOLOGIST**, full-time, tenure-track appointment at the Assistant/Associate Professor level. Responsibilities include toxicology instruction and mentoring to undergraduate (DVM) and graduate students, developing a diagnostic toxicology service, represent the College on toxicological issues, and establish collaborative research. Interaction with veterinarians and producers statewide through the Kord Diagnostic Laboratory of the State Department of Agriculture. Requirements: DVM or equivalent degree and board certification or board eligibility in the toxicology is required. An advanced degree (e.g., Masters or PhD) is desired. Review of applications will begin immediately and continue until the position is filled. Applicants should submit a current curriculum vitae, transcripts from institutions that conferred degrees, statement of research and teaching goals, and contact information for three references to Dr. Sherry Cox, Chair, Search Committee, Department of Comparative Medicine, College of Veterinary Medicine, 2407 River Drive, Rm. A205, Knoxville, TN 37996-4543.

**SENIOR ANALYTICAL CHEMIST** at the California Animal Health and Food Safety Laboratory System (CAHFS) responsible for the analytical and quality control operations of the laboratory, and take a lead role in the recruitment and supervision of individuals within analytical chemistry groups. A PhD in chemistry or a related field is preferred, and a demonstrated background working in a high-production analytical laboratory. Extensive experience with instruments such as HPLC, GC, ICP, AA and mass spectrometry, laboratory management and supervision, ability to ensure the highest standards of laboratory quality assurance and quality control are essential. Salary range is \$54,600 – 98,300. Applicants should submit a statement of interest, current curriculum vitae and a list of references to: CAHFS, Attn: Lisa Gaby, PO Box 1770, Davis, CA 95617, Fax: 530-752-8299, Email: [cahfsjobs@ucdavis.edu](mailto:cahfsjobs@ucdavis.edu). Position is open until filled, with the initial review of applications 9/30/04.

**VETERINARY VIROLOGIST** at the assistant or associate professor level in the Department of Veterinary Sciences, University of Wyoming. The position is an integral mix of professional service (~50%), teaching (~25%) and research (~25%). The exact split is negotiable. We seek an enthusiastic DVM, PhD virologist or exceptional PhD candidate with a combination of training and experience applicable to diagnostic veterinary virology. Board certification would be a plus. Primary responsibilities are to provide diagnostic services to veterinarians and other clients of the Wyoming State Veterinary Laboratory (WSVL). WSVL has a caseload of food animals; primarily beef cattle, companion animals, and wildlife. Other responsibilities are to teach a 3-credit, upper division medical virology course and to participate in other Departmental teaching activities. Development of collaborative and/or independently funded research in a field pertinent to the Department's focus areas is expected. Interested individuals should contact Dr. Donald L. Montgomery, (307) 742-6638, [montgome@uwyo.edu](mailto:montgome@uwyo.edu).

## ADDENDUM TO DIRECTORY

**Akl, Joseph, PhD**

210 W. Hamilton Ave, #297  
State College, PA 16801 USA  
Ph: 814-237-3001  
Fax: 814-237-3236  
Email: jrakl@atiinternational.com  
Interest: Informatics

**Al-Ghamdi, Ghanem M., PhD**

PO Box 32  
Al-Aqiq, Al-Baha SAUDI ARABIA  
Ph: 315816600  
Interest: Medicine

**Ameri, Mehrdad, DVM, MS, PhD**

Kansas State University  
Dept. Diagnostic Medicine/Pathobiology, CVM  
1800 Denison Ave.  
Manhattan, KS 66506 USA  
Ph: 785-532-4617  
Email: mameri@vet.k-state.edu  
Interest: Immuno, Path, Epi, Hematology,  
Herd Investigations

**Amin, Mohammed, PhD**

Ohio Dept. of Agriculture  
8995 E. Main St.  
Reynoldsburg, OH 43068 USA  
Ph: 614-728-2619  
Fax: 614-728-6322  
Email: Amin@mail.agri.state.oh.us  
Interest: Quality Assurance

**Awak, Julius Haruna, DVM, MVSc**

Atlantic Veterinary College  
University of Prince Edward Island  
550 University Ave.  
Charlottetown, PEI C1A 4P3 CANADA  
Ph: 902-628-4322  
Fax: 902-566-0723  
Email: bolyebu@yahoo.com  
Interest: Pathology

**Benoit-Biancamano, Marie Odile, DVM**

Departement de Pathologie et Microbiologie  
Faculte de Medicine Veterinaire  
CP 5000  
St. Hyacinthe, Quebec J2S 7C6 CANADA  
Ph: 514-345-8521 x8404  
Fax: 450-778-8116  
Email: marie-odile.benoit-  
biancamano@umontreal.ca  
Interest: Oncology, Molecular Pathology

**Bieker-Hawkinson, Jill M., BS, MS**

1800 Denison Ave.  
Manhattan, KS 66506 USA  
Ph: 785-532-4200  
Fax: 785-532-4039  
Email: jbieker@vet.ksu.edu  
Interest: Virology

**Bischoff, Karyn, DVM, MS, DABVT**

Schurman S2 070  
Population Medicine and Diagnostic Sciences  
College of Veterinary Medicine  
Cornell University  
Ithaca, NY 14853 USA  
Interest: Tox, Path, Wildlife

**Blake, John, DVM, MVetSc**

University of Alaska  
UAF Veterinary Services  
PO Box 757560  
Fairbanks, AK 99775-7560 USA  
Ph: 907-474-5188  
Fax: 907-474-5444  
Email: j.blake@uaf.edu  
Interest: Wildlife, Lab Animal

**Bolin, David C., DVM, PhD**

University of Kentucky  
Livestock Disease Diagnostic Center  
1429 Newtown Pike  
Lexington, KY 40512-4125 USA  
Ph: 859-253-0571  
Fax: 859-255-1624  
Email: dbolin@uky.edu  
Interest: Pathology

**Borst, Gerrit H.A., DVM, DECVP, DVP  
KNMvD**

Krommeakker 21  
Deventer, 7421 GE THE NETHERLANDS  
Ph: 31-570-655534  
Email: gerritborst@hetnet.nl  
Interest: Pathology

**Boyd, Kelli, DVM, PhD**

263 N. McNeil St.  
Memphis, TN 38112 USA  
Ph: 901-495-3165  
Email: kelli.boyd@stjude.org  
Interest: Lab Animal Pathology

**Bricker, Betsy J., PhD**

National Animal Disease Center  
2300 Dayton Road  
Ames, IA 50010 USA  
Ph: 515-663-7310  
Email: bbricker@nadc.ars.usda.gov  
Interest: Molecular Diagnostics

**Bunte, Ralph M., DVM**

Park Towne Apt W809  
2200 Benjamin Franklin Parkway  
Philadelphia, PA 19130 USA  
Email: rbunte@adelphia.net  
Interest: Pathology

**Card\*, Clyde S., DVM, PhD**

1800 Manchester Dr.  
Fort Collins, CO 80526-1622 USA  
Ph: 970-568-3405  
Interest: Administration

**Chirino-Trejo, Manuel, DVM, PhD**

University of Saskatchewan  
Dept. of Veterinary Microbiology  
Saskatoon, Saskatchewan S7N 5B4 CANADA  
Ph: 306-966-7219  
Fax: 306-966-7244  
Email: manuel.chirino@usask.ca  
Interest: Diagnostics, Research

**Cornaglia, Estela, PhD, DVM**

4375 Av Beaudry  
St. Hyacinthe, Quebec J2S 8W2 CANADA  
Ph: 450-771-7291  
Fax: 450-771-4158  
Email: e.cornag@biovet-inc.com  
Interest: Virology, Molecular Diagnostics

**Daniels, C. Scanlon, DVM**

Circle H Animal Health, LLC  
PO Box 1150, 1003 S. Hwy 87  
Dalhart, TX 79022-1150 USA  
Ph: 806-244-7851  
Fax: 806-244-7852  
Email: scanlon@xit.net  
Interest: Swine

**Duenser, Michael, DVM**

Hart 10  
Leonding, A-4060 AUSTRIA  
Ph: 43-732-657531  
Fax: 43-732-665528  
Email: michael.duenser@ages.at  
Interest: Microbiology

**Erol, Erdal, DVM, MSc**

Texas A&M University  
TVMDL  
1 Sippel Road  
College Station, TX 77841 USA  
Ph: 979-845-3414  
Email: eerol@tvmdl.tamu.edu  
Interest: Diagnostic Tools

**Eubig, Paul, DVM**

1703 Briarcliff Dr.  
Urbana, IL 61802 USA  
Ph: 217-337-5030 x511  
Email: peubig@apcc.aspc.org  
Interest: Toxicology

**Evans, Dawn E., DVM**

PO Box 25070  
Baton Rouge, LA 70894 USA  
Ph: 225-578-9777  
Fax: 225-578-9784  
Email: dduncan\_evans@vetmed.lsu.edu  
Interest: Pathology

**Fitts, Matthew G., BS, PhD**

500 Clemson Rd.  
PO Box 102406  
Columbia, SC 29224 USA  
Ph: 803-788-2260  
Fax: 803-699-8910  
Email: mfitts@clemson.edu  
Interest: Molecular Diagnostics

**Fletcher, Anthony M., DVM, MS**

Bristol Myers Squibb Co.  
PO Box 4755 Mail Stop J4  
Syracuse, NY 13221-4755 USA  
Ph: 315-432-4740  
Fax: 315-431-9111  
Email: anthony.fletcher@bms.com  
Interest: Laboratory Animal Pathology

**Garrison, Robert D., DVM, MS**

8516 West RS Ave.  
Schoolcraft, MI 49087 USA  
Email: garrisrd@mail.slh.wisc.edu

**Giray, Cem, BS, MS, PhD**

41 Main Street  
Richmond, ME 04357 USA  
Ph: 207-737-2637  
Fax: 207-737-4504  
Email: cgiray@microtechnologies.biz  
Interest: Aquatic Animal Health

**Gordon, Chandra, BS**

1800 Denison Avenue  
Manhattan, KS 66506 USA  
Ph: 785-532-4086  
Fax: 785-532-4474  
Email: gordon@vet.ksu.edu  
Interest: QA/QC

**Gray, Michael R., MS**

16319 Old Stable Rd.  
San Antonio, TX 78247-4416 USA  
Ph: 210-657-4830  
Email: michael.gray@ln.amedd.army.mil  
Interest: Rabies, Lepto, Zoonoses, Serology

**Grooters, Amy M., DVM**

Veterinary Clinical Sciences  
Louisiana State University  
Baton Rouge, LA 70803 USA  
Ph: 225-578-9600  
Fax: 225-578-9559  
Email: agrooters@vetmed.lsu.edu  
Interest: Mycology

**Hayes, Schantel, DVM**

417 Charity Circle Apt 104  
Lansing, MI 48917 USA  
Ph: 517-622-0753  
Email: hayes@dcpah.msu.edu  
Interest: Anatomic Pathology

**Hegngi, Fidelis, BS, DVM, MS**

1120 Heartfields Dr.  
Silver Spring, MD 20904 USA  
Ph: 301-734-6573  
Fax: 301-734-4982  
Email: Fidelis.N.Hegngi@aphis.usda.gov  
Interest: Poultry

**Henningson, Jamie N., BS, DVM**

2718 Kendel Dr.  
Ashland, NE 68003 USA  
Ph: 402-944-3102  
Email: jamieksu@bigred.unl.edu  
Interest: Anatomic Pathology

**Holler, Larry D., DVM, PhD**

47387 201st St.  
White, SD 57276 USA  
Ph: 605-629-6081  
Email: Larry.Holler@sdstate.edu  
Interest: Pathology

**Huang, Min, PhD**

Toxicology Section, Diagnostic Center for  
Population and Animal Health  
Michigan State University  
4125 Beaumont Rd.  
Lansing, MI 48910 USA  
Ph: 517-432-5856  
Fax: 517-353-4426  
Email: huang@dcpah.msu.edu  
Interest: Toxicology, Analytical Chemistry

**Kim, Dae Young, DVM, PhD**

Dept. of Pathobiological Sciences  
School of Veterinary Medicine  
Louisiana State University  
Baton Rouge, LA 70803 USA  
Ph: 225-578-9718  
Fax: 225-578-9720  
Email: dykim@vetmed.lsu.edu  
Interest: Vet Pathology

**Kostovic, Miladin D., DVM, MS**

PO Box 11473  
Shorewood, WI 53211 USA  
Ph: 414-324-3334  
Email: miladin@kostovic.net  
Interest: Serology

**LaBranche, Timothy P., DVM**

101 Carleton Gold Trail  
Dacula, GA 30019 USA  
Ph: 678-225-4947  
Email: timothy@vet.uga.edu  
Interest: Pathology

**Larson, David J., BS, DVM, MS**

IA State University  
Vet Diagnostic Lab  
Ames, IA 50011 USA  
Ph: 515-294-1950  
Fax: 515-294-6961  
Email: djlarson@iastate.edu  
Interest: Pathology

**Leard, Tim, DVM, PhD**

Merial Ltd.  
115 Transtech Dr.  
Athens, GA 30601 USA  
Ph: 706-552-2264  
Fax: 706-543-1667  
Email: tim.leard@merial.com  
Interest: Pathology, Infectious Diseases

**Leonard, Pascale M., PhD**

700 Camzno De Salud, NE  
Albuquerque, NM 87196 USA  
Ph: 505-841-2549  
Fax: 505-841-2543  
Email: pascale.leonard@state.nm.us

**Linn, Michael, DVM, DACVP**

Hoffmann-La Roche  
340 Kingsland Street  
Nutley, NJ 07110 USA  
Ph: 973-235-2453  
Fax: 973-235-4710  
Email: michael.linn@roche.com  
Interest: Pathology

**Loiacono, Christie, DVM, PhD**

Iowa State University  
Veterinary Diagnostic Laboratory  
Ames, IA 50014 USA  
Email: loiacono@iastate.edu  
Interest: Pathology

**Lyons, Bonnie, DVM**

The Jackson Laboratory  
600 Main St.  
Bar Harbor, ME 04609 USA  
Ph: 207-288-6406  
Fax: 207-288-6077  
Email: blj@jax.org  
Interest: Pathology

**Maratea, Kimberly, DVM**

Animal Disease Diagnostic Laboratory  
Purdue University  
West Lafayette, IN 47907-2065 USA  
Ph: 765-494-7440  
Email: maratea@purdue.edu  
Interest: Anatomic Pathology

**Marmagon, Stefano,**

Viale Dell Università, 10  
Legnaro, Padova 35020 ITALY  
Ph: 39 49 8084219  
Fax: 39 49 8830178  
Email: biblioteca@izsvenezie.it  
Interest: Virology, Epidemiology

**Morrow, Carla, BS, DVM, MS**

University of Illinois at Urbana-Champaign  
3611 VMBSB  
2001 S. Lincoln Ave.  
Urbana, IL 61802 USA  
Ph: 217-333-1696  
Email: morrow1@uiuc.edu  
Interest: Toxicology, Reproductive System

**Naem, Soraya, DVM, PhD**  
Urmia University  
Faculty of Vet Med  
PO Box 1177  
Urmia, West-Azarbaijan IRAN  
Ph: 98-441-235-2715  
Fax: 98-441-344-3442  
Email: sorayanaem@yahoo.com  
Interest: Parasitology, Helminths

**Nagamine, Claude M., BS, MA, PhD**  
175 Beacon St., Apt. 213  
Somerville, MA 02143 USA  
Ph: 617-868-5414  
Email: cnagamin@utk.edu  
Interest: PCR, ELISA, Lab Animal Medicine

**Oswelier, Gary, DVM, MS, PhD**  
Iowa State University  
1575B Vet Medicine  
Ames, IA 50011 USA  
Ph: 515-294-1950  
Fax: 515-294-3564  
Email: osweiler@iastate.edu  
Interest: Toxicology, Administration/  
Management

**Pandher, Karamjeet, BVSc, PhD, DACVP**  
4109 Rolling Gate Road  
Fort Collins, CO 80526 USA  
Ph: 970-491-7536  
Email: karamjeet.pandher@colostate.edu  
Interest: Pathology

**Patterson, Jon S., DVM, PhD**  
Michigan State University, College of  
Veterinary Medicine  
Pathobiology & Diagnostic Investigation  
DCPAH Building, Room 163  
4125 Beaumont Rd.  
Lansing, MI 48910-8104 USA  
Ph: 517-353-9471  
Fax: 517-355-2152  
Email: patterson@dcpah.msu.edu  
Interest: Pathology

**Paulik, Tihomir,**  
Algoritam  
Zagreb, Gajera 12  
CROATIA  
Ph: 385 1 2359 307  
Fax: 385 1 2335 955

**Pedersen, Marci J.,**  
University of Nebraska Lincoln  
Veterinary Diagnostic Center  
Fair St. & East Campus Loop  
Lincoln, NE 68583 USA  
Ph: 402-472-4650  
Fax: 402-472-3094  
Email: mpedersen2@unl.edu

**Pierce, Virginia,**  
Frederick Animal Health Lab  
1840 Rosemont Ave.  
Frederick, MD 21702 USA  
Ph: 301-694-1548  
Email: ahfrederick@mda.state.md.us

**Pinkerton, Marie, DVM**  
1221 VMBSB  
VDL, CVM, UIUC  
2001 S. Lincoln Ave.  
Urbana, IL 61802 USA  
Ph: 217-244-0133  
Email: pinkern@uiuc.edu  
Interest: Pathology

**Pocknell, Ann, DVM, MVSc**  
Veterinary Department  
Zoological Society of London  
Regents Park  
London, NW1 7TX ENGLAND  
Ph: 020-7449-6614  
Fax: 020-7586-1457  
Email: ann.pocknell@zsl.org  
Interest: Pathology

**Puschner, Birgit, DVM, PhD, DABVT**  
CAHFS  
PO Box 1770  
Davis, CA 95617 USA  
Ph: 530-752-8700  
Fax: 530-752-3361  
Email: bpuschner@ucdavis.edu  
Interest: Toxicology, Regulatory, Food Safety

**Radabaugh, Steven, DVM, MS**  
508 S. Englebeck Rd.  
Lakeside, OH 43440 USA  
Ph: 419-798-9999  
Fax: 419-798-9909  
Email: drsteve@cros.net  
Interest: Diagnostics

**Radi, Zaher A., DVM, MS, PhD**  
Pfizer Global Research & Development  
2800 Plymouth Road, Building 035/191  
Ann Arbor, MI 48105 USA  
Ph: 734-622-7602  
Email: zaher.radi@pfizer.com  
Interest: Pathology

**Renwick, Shane, DVM, MSc**  
159 Cleopatra Drive  
Ottawa, Ontario K1A 0Y9 CANADA  
Ph: 613-221-1019  
Fax: 613-221-7407  
Email: renwicks@inspection.gc.ca  
Interest: Epidemiology

**Richey, Lauren, DVM, PhD**  
DLAM  
Tufts - New England Medical Center  
171 Harrison Ave. NEMC #112  
Boston, MA 02111-1533 USA  
Ph: 617-636-5611  
Interest: Pathology

**Ridenhour, Reginald A., DVM**  
PO Box 2183  
401 Quarry Rd.  
Monroe, NC 28111 USA  
Ph: 704-289-6448  
Fax: 704-283-9660  
Email: reg.ridenhour@ncmail.net  
Interest: Poultry Diagnostics

**Robbe-Austerman, Suelee,**  
USDA/ARS/NADC  
BDLRU  
2300 Dayton Ave.  
Ames, IA 50011 USA  
Ph: 515-294-9110  
Fax: 515-294-1072  
Email: sausterm@nadc.ars.usda.gov  
Interest: Johnes Disease

**Ruesch, Laura, BS**  
Animal Disease Research & Disease Laboratory  
South Dakota State University  
North Campus Drive  
Brookings, SD 57007 USA  
Ph: 605-688-6382  
Fax: 605-688-6003  
Email: laura.ruesch@sdstate.edu  
Interest: Food Safety

**Rumbeiha, Wilson K., DVM, PhD**  
1828 Yosemite Dr.  
Okemos, MI 48864-3851 USA  
Email: rumbeiha@msu.edu  
Interest: Toxicology

**Schefers, Jeremy, DVM**  
1333 Gortner Ave.  
St. Paul, MN 55108 USA  
Ph: 800-605-8787  
Fax: 612-624-8707  
Email: sche0201@umn.edu  
Interest: Food Animal Infectious Disease

**Schmidt, Stephen P., DVM, PhD**  
PO Box 50894  
Kalamazoo, MI 49005 USA  
Email: stephen.p.schmidt@pfizer.com  
Interest: Pathology

**Schroeder-Tucker, Linda, MS**  
USDA/APHIS/VNS/NVSL  
1600 Dayton Rd.  
Ames, IA 50010 USA  
Ph: 515-663-7658  
Fax: 515-663-7673  
Email: linda.c.schroeder-tucker@aphis.usda.gov  
Interest: Recombinant Bacterial Vaccines

**Short, Elaine, BS, PhD**  
Animal Disease Diagnostic Lab  
PO Box 458006  
Kissimmee, FL 34745-8006 USA  
Ph: 407-846-5200  
Fax: 407-846-5204  
Email: lankene@doacs.state.fl.us  
Interest: Bacteriology

**Singh, Bhanu Pratap, BVSc, MSc**  
Dept. of Pathology  
Royal Veterinary College  
Hawkshead Lane, North Mymms  
Hatfield, Herts AL9 7TA UNITED KINGDOM  
Ph: 44 1707 666596  
Fax: 44 1707 661464  
Email: bpsingh@rvc.ac.uk  
Interest: Toxicologic Pathology

**Singh, Shri N., DVM, PhD**  
Murray State University  
Breathitt Vet Center  
725 North Drive  
Hopkinsville, KY 42240 USA  
Ph: 270-886-3959  
Fax: 270-886-4295  
Email: shri.singh@murraystate.edu  
Interest: Bacteriology, Virology, Molecular Diagnostics

**Smedley, Rebecca C., DVM**  
1121 Maplehill Ave.  
Lansing, MI 48910 USA  
Ph: 517-882-0376  
Email: smedley1@hotmail.com  
Interest: Pathology

**Starost, Matthew, DVM, PhD, ACVP**  
9000 Rockville Pike - NIH  
Bldg. 28A, Room 115  
Bethesda, MD 20892 USA  
Ph: 301-451-2176  
Fax: 301-402-1068  
Email: starostm@mail.nih.gov  
Interest: Pathology, Anatomic, Diagnostic Investigations, Histopathology, Immunohistochemistry, Primates

**Steinbock, Joyce, BS, MSBS**  
1388 Antelope Rd.  
White City, OR 97503 USA  
Ph: 541-830-3000  
Fax: 541-830-3001  
Email: cs@biomeddiagnostics.com  
Interest: Veterinary Laboratory Diagnostics

**Thompson, Roy T., BS**  
2531 N. West Street  
Jackson, MS 39216 USA  
Ph: 601-354-6089  
Fax: 601-354-6097  
Email: rthompson@cvm.msstate.edu  
Interest: Business Manager

**Tor, Elizabeth, MS**  
CAHFS - Toxicology Lab  
PO Box 1770  
Davis, CA 95617 USA  
Ph: 530-752-4409  
Fax: 530-752-3361  
Email: ertor@ucdavis.edu  
Interest: Analytical/Vet Chemistry

**Trupkiewicz, John, DVM, DACVP**  
Philadelphia Zoo  
3400 West Girard Avenue  
Philadelphia, PA 19104 USA  
Ph: 215-243-5324  
Fax: 215-243-0219  
Email: trupkiewicz.john@phillyzoo.org  
Interest: Zoo Pathology

**Turocy, Marti, MBA**  
60 Pottstown Pike  
Eagle, PA 19480 USA  
Ph: 610-458-0539  
Fax: 610-458-7555  
Email: Turocy@qsi-inc.com  
Interest: Software Consultant

**Uhl, Elizabeth W., DVM, PhD**  
1516 Buford Carey Rd.  
Hull, GA 30646 USA  
Ph: 706-789-2424  
Email: uhle@vet.uga.edu  
Interest: Pathology

**Valerio, Rubens, MD - Veterinary**  
AV. Nicolau Mercadante #48  
Jacarei, S. Paulo 12327-680 BRAZIL  
Ph: 55-12-39585002  
Fax: 55-12-39585110  
Email: rvalerio@yahoo.com

**Visintainer, Ferdinand G., VMD**  
Health Network Laboratories  
2024 Lehigh St.  
Allentown, PA 18103-4798 USA  
Ph: 610-402-8150  
Fax: 610-402-1670

**Walz, Heather, DVM**  
3048 Tamarak  
Manhattan, KS 66503 USA  
Ph: 785-770-3602  
Email: hbalenti@vet.ksu.edu  
Interest: Pathology

**Wilson, Christina, MS**  
Purdue University  
Animal Disease Diagnostic Lab  
406 South University  
West Lafayette, IN 47907-2065 USA  
Ph: 765-494-7466  
Fax: 765-494-9181  
Email: wilsonc@purdue.edu  
Interest: Toxicology

**Yang, Zhiqiang, PhD**  
Diagnostic Center for Population and Animal Health  
Michigan State University  
4125 Beaumont Rd.  
Lansing, MI 48910 USA  
Ph: 517-432-5890  
Email: yang@dcpah.msu.edu  
Interest: Toxicology, Analytical Chem.

**Zellner, David E., BS, DVM**  
837 E TR 40  
Sycamore, OH 44882 USA  
Ph: 419-927-6781  
Email: mzel@bright.net  
Interest: Avian Diagnostics

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- Education - Scholarship Programs & Advanced Training in Diagnostic Medicine
- Research Programs in Diagnostic Medicine
- Guest Lectures and Seminars
- Awards - Graduate student poster and presentation, Trainee Travel and JVDI outstanding manuscripts

Your continued support of the Foundation is greatly appreciated.

As of July 31, 2004 foundation donations had been received from 56 individuals during the period of August 2003 through July 2004 totaling \$5,915.00. The following is a breakdown of the donations made during this period and of donations made in the previous four years:

Designation	2000	2001	2002	2003	2004
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Trainee Travel Award	\$0.00	\$0.00	\$0.00	\$0.00	\$820.00
Pathology Trainee Travel Award	\$0.00	\$0.00	\$560.00	\$540.00	\$625.00
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