As part of ongoing activities of the Davis Foundation’s South Korean Subdivision, Foundation president Bruce Williams spent a week in Taegu in the Department of Pathology at Kyungpook National University in early September. He spent a week observing in the pathology lab, teaching pathology residents and veterinary students, and concluded the week with a three-hour lecture on Gross Pathology of the Dog at the Korean Society of Veterinary Pathologists’ annual meeting (also at Kyungpook University.)

“I can’t say enough about my experience in South Korea”, explains Dr. Williams. “I think a lot of our members around the world have no idea of the strength of the programs here at Kyungpook University, or the other programs in Korea.” The pathology department at the veterinary college at Kyungpook University, (one of 9 national colleges of veterinary medicine in South Korea) is run by Professor Kyu-shik Jeong, a former researcher at the National Institutes of Health in Bethesda, MD and author of over 70 peer-reviewed papers in the international literature. In addition to his diagnostic activities and current position as vice dean for the veterinary college, Dr. Jeong’s laboratory is a premier center for funded research in Korea in the development of genetically engineered strains of mice and the mechanisms of cellular signaling in development of regenerative processes in aged and damaged hepatocytes, as a sole team leader of Brain Korea 21 (BK21) projects among veterinary pathologists in Korea. “I was not only amazed at the quality but the enormity of the research going on in his laboratory” recalls Dr. Williams. “His students arrive at the lab at 9AM and work until 2AM, six days a week. They are more of an extended family than a lab, due to the sheer hours they spend together. It was an eye-opening experience for me.”
European Meeting Another Fantastic Success

Munich is a bustling modern city with a highly efficient underground railway system and some wonderful beer gardens, making it an ideal place to hold a pathology symposium of the European Division.

There were 66 delegates at the meeting (including speakers) representing a variety of European countries and they made an enthusiastic and receptive audience. We even had a delegate from Australia which is testament to how far veterinary pathologists will travel in order to attend a C.L. Davis Foundation meeting! We started with a lecture from Dr Richard Haworth who explained the intricacies of fundamental immunology to us. Richard moved effortlessly from the innate to the acquired immune system and received fantastic feedback scores and a number of questions from the audience. In his second talk, Richard chose to give us a broad outline about cytokines mentioning their involvement in inflammation, cytokine storms as well as the Th1/Th2 hypothesis and the use of cytokines as therapeutic agents. This was a great talk which avoided the pitfalls of just providing endless lists of different cytokines.

After a lively tea break of sweet pretzels (a Munich specialty), Prof. Ruediger Wanke gave us an excellent overview of quantitative morphology. Ruediger showed us some of the classical optical illusions and then went on to demonstrate how inaccurate the subjective quantification of cells is. Ruediger made us all think when he showed us how researchers had thought that neuron levels in the brain declined with age. Ruediger demonstrated that for years, neuropathologists had failed to take the reduced shrinkage of the ageing brain into consideration, which had skewed the results. We were all delighted to know that, in theory at least, we were not going to lose our neurons as we achieved old age!

Just before lunch, our sponsor Aperio (see pg. 7) gave us a quick overview of their scanning products, relating to our lectures on quantitative morphology, image analysis, and immunohistochemistry. Their exhibit in the tea area was always filled with interested delegates.

Following lunch, it was time for Prof. Matti Kiupel to make a start on his Herculean task of three lectures on immunohistochemistry (IHC), troubleshooting in IHC and molecular techniques in diagnostic veterinary pathology. Matti showed us an enormous number of slides and explained how various artifacts were caused during the immunohistological process. He also discussed buffers, pH etc, giving the delegates some very valuable tips to go off and try when IHC results are less than perfect!!

Wednesday morning dawned early with pouring rain but it would take more than a little bit of rain to deter our enthusiastic audience. Prof. Michael Goldschmidt kicked off the day with a two-hour lecture on canine mammary tumours, starting with the most recent classification systems and ending by describing a large international project he is involved in which has revealed some interesting results about the effects of
Ovariohysterectomy on the incidence of mammary tumors in young and older dogs (in both male and female dogs). Dr Wolfgang Breuer gave us a fascinating overview of odontogenic tumors in domestic animals. This is a tricky area and one a tricky area of interest to diagnostic as well as toxicologic pathologists.

After Thursday’s delicious lunch, Mary Anna Thrall launched into her super review of tumor cytology. Mary Anna Thrall was recommended to the organising committee because of her previous great audience feedback and she did not disappoint. As a cytological novice, I found her lecture fascinating and crammed full of really useful information that gave me confidence to have a go at diagnosing neoplastic cells in cytological smears. Mary Anna took many questions from the audience both during and at the end of her talk and the delegates ended the meeting by handing back some very complimentary feedback forms.

Prof. Alun Williams and myself (Liz McInnes), as organisers of this meeting, felt that the two-day event had gone extremely well. Delegates gave high marks to all of the speakers and this year’s idea of sending out the speaker notes by email prior to the meeting. Our delegates have given us a number of ideas about future topics and we already have ideas about what next year’s meeting in Dubrovnik, Croatia, will consist of. The European Division of the C.L. Davis Foundation continues to provide up to date, high quality, continuing professional education for all veterinary pathologists whether they are in industry, academia or diagnostic laboratories.

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**SOUTHCENTRAL DIVISION 17th ANNUAL MEETING**

**Date:** October 5-6, 2007  
**Location:** Galveston Island, Texas  
**Program Director:** James O. Britt, DVM, Livestock & Poultry Commission Lab, 1 Natural Resources Dr, Little Rock, AR 72205, Tel: (501) 907-2435 and e-mail: jbrett@arlpc.org  
**Keynote Lecture:** “Primate Pathology” - Joe H. Simmons, DVM, PhD, DACLAM, Director of Diagnostics, Charles River Labs

The Charles Louis Davis, D.V.M. Foundation will present the 17th Annual Program of the Southcentral Division for members and guests, Friday and Saturday, October 5 & 6, 2007 at The San Luis Resort, Spa and Conference Center, Galveston Island, Texas (http://www.sanluisresort.com). The registration contribution will include a group Friday lunch and dinner, a CD-ROM of the meeting results and the Atlas of Metazoan Parasites in Animal Tissues by CH Gardiner and SL Poynton and the 2008 membership for current non-members and 10 hours of CE credit. Attendees are also invited to present a 15-minute report to the group on an interesting case. Please send 40+ (50 if possible) stained microslides with case information (and diagnosis, comments, applicable references on a separate page) for redistribution to participants by September 10th.

**Location and Lodging:** The San Luis Resort, Spa & Conference Center, 222 Seawall Boulevard, Galveston, TX 77551  
Tel: (800) 445-0090 $139.00 single or double (Reserve by 9/6/07)  
**Slide sets to:** Dr. Barbara Lewis Texas Veterinary Medical Diagnostic Laboratory1 Sippel Road College Station, TX 77841-3040 Phone (979) 845-3414 , E-mail: Blewis@tvmdl.tamu.edu

Tuition: **Members:** $175.00, **Non-members:** $250.00, **Extra Dinner Guests/Spouses:** $ 35.00

"This program was reviewed and approved by the AAVSB RACE program for continuing education. Please contact the AAVSB RACE program at race@aaavsb.org should you have any comments/concerns regarding this program's validity or relevancy to the veterinary profession. For more information and registration form visit: http://www.cldavis.org/courses/upcoming.html#11"
Pathology of the Liver
“What’s New And What’s Still True”
cosponsored by the
C.L. Davis Foundation and the American College of Veterinary Pathologists

DATE: November 10, 2007
LOCATION: The Westin Savannah Harbor Golf Resort & Spa, Savannah, GA

SYMPOSIUM:
The session will review and discuss the histopathology and pathogenesis of liver disease in animals.

Contemporary diagnostic terminology, including advances in the recent World Small Animal Veterinary Association monograph on standardization of histologic diagnosis of the dog and cat will be emphasized.

Topics covered will include congenital vascular disorders, diseases of the biliary tract and hepatic parenchyma, and hepatic neoplasia.

TUITION:
$150 for the day-long seminar, and includes 8 hours of RACE-accredited CME, syllabus, refreshments, and a copy of the WHO Fascicle on Tumors of the Gastrointestinal Tract of Domestic Animals. You may register for this workshop as part of your ACVP registration (http://www.acvp.org/meeting), or if you are only going to Savannah for this meeting, you may register at http://www.cldavis.org/courses/2007savannah.registration.htm

For additional information about the program or sponsorship opportunities, contact Program Director, Sarah Hale (shale@epl-inc.com), or Foundation President, Bruce Williams (williams@cldavis.org).
Dr. Jeong’s work has not gone unnoticed among his colleagues in Korea, as well. This year, for the first time, Kyungpook University hosted the prestigious meeting of the Korean Society of Veterinary Pathologists. As a follow-up to the Foundation’s meeting on Pathology of Livestock in Seoul this May, Dr. Williams gave an outstanding lecture on canine pathology, followed by a day filled with excellent oral and poster presentations by trainees and practicing pathologists covering all areas of veterinary pathology. The evening brought a sumptuous reception honoring award winners from the day’s presentations, as well as pathologists who had performed distinguished service in the National Quarantine and Research Services.

“I think what I will remember most about this trip were the friendliness and openness of the Korean pathologists”, recalls Dr. Williams. “They were excellent hosts. My contributions in terms of lecturing couldn’t compare with their graciousness. When I wasn’t speaking, they were taking me to dinner, sightseeing, and even out for a night of karaoke. Hearing my rendition of ‘Twist and Shout’ couldn’t have been a pleasant experience for them…”

Everyone agreed that the visit brought the Foundation and the university closer together. In addition to the annual Symposium of the Korean subdivision, we are currently working on a series of annual exchanges in 2008 and beyond, which will hopefully include a week-long sabbatical for Foundation faculty to Taegu and other parts of Korea and a two-month summer externship for Korean students in diagnostic laboratories in the U.S.

October Website Special!!!

Save $10 this month on the newly reprinted WHO Histological Classification of the Tumors of the Alimentary System. One of the most comprehensive volumes in this series, the book covers more than just tumors of the digestive and hepatobiliary systems and pancreas, but common proliferative and tumor-like lesions of these systems as well. Save $10 and purchase today at https://store.cldavis.org.
34th Annual Gross Morbid Anatomy of Animals

Presented by the Charles Louis Davis, DVM Foundation
24-28 March 2008 – Bethesda, MD

Come join us at one of the most renowned pathology courses in the world - all species, all systems, and ten international experts presenting 36 hours of great CME. Each year, this in-depth course draws over 125 pathologists, lab animal practitioners, veterinary clinicians, and students from around the world. Don’t miss out in 2008!

Course Director:
LTC Dana Scott, DVM, DACVP
Chief, Pathology Section, WRAIR
301-319-9441
Email: Dana.Scott@us.army.mil

For more information, visit:
http://www.cldavis.org/upcoming.html
CONFERENCE WEBSITE: www.pathologyvisions.com

KEY SPEAKERS:
- Dr. Judy St. Leger, SeaWorld San Diego (SeaWorld Dinner Guest Speaker)
- Dr. Elizabeth Hammond, Intermountain Healthcare (Keynote Speaker)
- Dr. Jared Schwartz, College of American Pathologists (CAP) (General Session Speaker)
- Robert L. Michel, THE DARK REPORT (General Session Speaker)

DESCRIPTION: During this 2-day premier conference, attendees from around the world will gather to share best practices and learn about innovations in digital pathology. Pathology Visions will feature comprehensive presentations, stimulating panel discussions, and workshops.

OFFERINGS: This year’s offering features an expanded format, including the Pathology Visions Exhibit Exposition, in which various product solutions will be showcased. A special reception and dinner will be held at SeaWorld San Diego with special guest speaker Judy St. Leger, director of pathology, SeaWorld San Diego.

If you are involved or interested in the world of digital pathology, Pathology Visions will be the most beneficial conference you attend this year. Conference attendees will include clinical pathologists, veterinary pathologists, oncology/TMA researchers, laboratory managers and directors, pathology educators, healthcare IT CIOs and directors, BioPharma safety assessment, and ToxPath professionals.

This conference is co-hosted by Aperio and The California Society of Pathologists (CSP).

TUITION:

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<tr>
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<th>Advance Registration Rate (By August 31, 2007)</th>
<th>Regular Rate (After August 31, 2007)</th>
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<tr>
<td>Single registrant rate</td>
<td>$399</td>
<td>$499</td>
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<tr>
<td>Spouse rate</td>
<td>$150</td>
<td>$200</td>
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Diagnostic Orthopedic Pathology
7th CL Davis Diagnostic Pathology Symposium
in conjunction with the 2007 AAVLD annual meeting

Date: October 19, 2007, Friday, 8am- 5:30pm
Location: John Ascuaga’s Nugget, Reno, NV
Program Director: Matti Kiupel, DVM, PhD, Assistant Professor, Michigan State University, 4125 Beaumont Rd 152A, Diagnostic Centers for Population & Animal Health MSU, Lansing, MI 48910, (517) 432-2670 and e-mail kiupel@dcpah.msu.edu

Roy Pool, DVM, PhD
Steven Weisbrode, DVM, PhD

08.00 – 08.10 - Introduction
08.10 – 10.00 - Bone-specific reactions to injury
10.15 – 11.00 - From radiographs to morphological diagnosis
13:00 - 15:00 - Tumors and tumor-like diseases of bones, joints and tendon sheaths
15:15 - 16:00 - Pathogenesis of joint diseases
16:00 - 16:30 - Role of the vasculature in bone and joint disease
16:30 - 17:00 - Pathogenesis of bone, joint and tendon sheath infection
17.00 – 17.30 – Panel Discussion

TUITION of $125 includes refreshments, CD of presentations and continuing education credits.

Please pre-register to guarantee receipt of materials. Registration is through CL Davis and is separate from the AAVLD meeting registration fees.

Registration forms are available at: http://www.cldavis.org/courses/2007bonepathologyreg.html
FIRST SEMINAR OF THE ARGENTINE SUBDIVISION
TOPICS IN SMALL ANIMAL MEDICINE

Date: November 29, 2007
Location: Faculty of Veterinary Sciences, La Plata, Argentina
Program Director: Eduardo Gimeno, Facultad de Ciencias Veterinarias, Universidad Nacional de La Plata, Teléfono: +54 - 221 - 423-6663/4 Interno 426 Fax: +54 - 221 - 425-3276 / 7980 E-mail: ejimeno@fcv.unlp.edu

The Charles Louis Davis Foundation (http://www.cldavis.org/) will organize an eight-hour seminar symposium entitled “Topics in Small Animal Medicine” on November 29, 2007. Course Director Eduardo Gimeno (La Plata University, Argentina) and invited guest lecturers Guillermo Couto (Ohio University, USA), and Pablo Gómez Ochoa (Zaragoza University, Spain). The Seminar will present relevant up-to-date topics in Small Animal Medicine. This will be the first regular activity of the Argentine Subdivision of the C. L. Davis Foundation leading to the establishment of an International Study Center of the Foundation in Argentina. The Seminar will take place at the University of La Plata, immediately preceding the Third Forum for Teaching of Veterinary Pathology.

TUITION:
Of $ 25.00 (around 80.00 Argentine pesos). The tuition fee will be directed to establish a C. L. Davis International Study Center in Argentina. Additional information is available at the CL Davis Foundation Web site: http://www.cldavis.org/

THIRD FORUM FOR TEACHING OF VETERINARY PATHOLOGY COSPONSORED BY THE ARGENTINE SOCIETY FOR VETERINARY PATHOLOGY

Date: November 30, 2007
Location: Faculty of Veterinary Sciences, La Plata, Argentina

The Forum for Teaching of Veterinary Pathology has been previously held in Rosario (2003) and Buenos Aires (2005). It is a meeting for teachers and researchers with the objective to analyse the evolution of Veterinary Pathology education in Argentina. In the third edition we will have Dr. Bruce H. Williams (AFIP Dept. of Telemedicine &. Distance Learning, Washington, USA) as invited guest lecturer.

Additional information is available at the CL Davis Foundation Web site: http://www.cldavis.org/, by mail to ejimeno@fcv.unlp.edu.ar, or eduardo.gimeno@cldavis.org. By phone: 54 221 423 6663.

NE Division Day Seminar: Preclinical Assessment of Neurotoxicity

Date: October 5, 2007
Location: Schering-Plough Research Institute (556 Morris Ave, Summit, NJ 07091)
Program Director: Zadok Ruben, Patoximed Consultants, zruben@patoximed.com

As concerns over clinical safety of drugs continue to increase, there is a greater need than ever to improve the effectiveness of preclinical assessment of novel pharmaceuticals associated with adverse event of the nervous system in humans. These safety concerns include challenging problems to address such as seizures, ataxia, depression, headaches, and anxiety. This meeting will emphasize the integration classical techniques such as the neurological and histopathological examinations with newer techniques such as PET imaging and electroencephalogram, to thus correlate comparative pathology, physiology, pharmacology and toxicology and their relevance to assessing drug safety. Additional topics related to basic neurotoxicologic pathophysiology and regulatory perspectives on preclinical data will be addressed.

This NE Day-Seminar is the first to be sponsored/hosted by the generous support of Schering-Plough Research Institute. For further information, please contact Dr. Kevin Keane (973) 940-4737; kevin.keane@spcorp.com].
Bioimaging for the Experimental and Toxicologic Pathologist
2nd Annual C.L. Davis West Coast Subdivision Toxicologic Pathology Symposium

19 October 2007
Genentech, Inc.
South San Francisco, CA

For more information, contact:
Dimitry Danilenko, DVM, Ph.D
Program Director
Senior Pathologist
Genentech, Inc.
1 DNA Way, MS 72B
South San Francisco, CA 94080
Phone: 650-225-2672
Fax: 650-225-8989
E-mail: danilenko.dimitry@gene.com

Faculty:
Dr. Sanford Barsky
Automation of Whole Slide and TMA Interpretation for Drug Discovery

Dr. Christopher Contag
Refining and Accelerating Mouse Models of Human Biology and Disease Through in vivo Optical Imaging

Dr. Gary Knutsen
Integration of Smart Imaging Technology into Toxicologic Pathology

Dr. Laszlo Komuecs
High-throughput, Multi-channel Fluorescence-based Automated Image Acquisition for Drug-efficacy Studies

Dr. Drew Lesniak
Applications of Image Analysis in Pathology

Dr. Gary Pestano
Qdots and Multiplexing

Dr. Steven Potts
Quantitative Measurement of Co-localized Membrane, Nuclear, and Cytoplasmic Proteins in Tissues

Dr. Kurt Scudder
A Cognition-Based to Understanding Histopathology Images

Dr. Nicholas Van Bruggen,
Biomedical Imaging in Drug Discovery and Development

This course has been submitted (but not yet approved) for 6 hours of continuing education credit in jurisdictions which recognize AAHKS’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.
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<th>DATE:</th>
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<tr>
<td>Sept 19</td>
<td><strong>CLD/AABP Bovine Path Symposium: Pathology of Feedlot Cattle &amp; Protozoal Diseases</strong></td>
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<td>Oct 1</td>
<td><strong>Annual Meeting – Indian Subdivision, Toxicologic Pathology and Diseases of Laboratory Rodents, Andra Pradesh</strong></td>
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<td>Oct 5</td>
<td><strong>NE Division Day Seminar – Pre-clinical Evaluation of Neurotoxicity</strong></td>
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<td>Oct 5 - 6</td>
<td><strong>2007 Southcentral Division Annual Meeting Galveston, TX</strong></td>
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<td>Oct 19</td>
<td><strong>West Coast Toxicologic Path Symposium, Bioimaging: for the Experimental and Toxicologic pathologist, South San Francisco, CA</strong></td>
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<td>Oct 19</td>
<td><strong>CLD/AAVLD Annual Meeting – Diagnostic Orthopedic Pathology – Reno, NV</strong></td>
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<td>Oct 20</td>
<td><strong>CLD/AAZV Zoo and Wildlife Path Workshop, Knoxville, TN</strong></td>
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<td>Nov 9</td>
<td><strong>CLD/Aust Soc. Of Vet Path Meeting , Melbourne, Australia</strong></td>
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<td>Nov 10</td>
<td><strong>CLD/ACVP Diagnostic Pathology Symposium – Pathology of the Liver – Savannah, GA</strong></td>
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<td>Nov 19</td>
<td><strong>AAVLD/USAHA Diagnostic Orthopedic Path – Tumors of Bone and Joints</strong></td>
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<td>Nov 22-24</td>
<td><strong>South and Eastern Africa Annual Symposium - Nairobi, Kenya</strong></td>
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<td>Nov 29</td>
<td><strong>1st Annual Argentina Subdivision meeting, Topics in Small Animal Medicine, La Plata, ARG</strong></td>
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<td>Nov 30</td>
<td><strong>CLD/AAEP Equine Path Symposium, Equine Herpesviral Disease, Orlando FL</strong></td>
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<td>Dec 7</td>
<td><strong>NE Division Day Seminar: Toxicology Pathology of the Eye</strong></td>
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<td>March 24-28, 2008</td>
<td><strong>36th Annual Gross Pathology Course, Bethesda, MD</strong></td>
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<td>March 27-2008</td>
<td><strong>CLD/AAHA Preconference Meeting – Tampa, FL - Getting the Most Out of Your Pathologist</strong></td>
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<td>April 9-11, 2008</td>
<td><strong>CLD Symposium on Diagnostic Pathology of Aerial, Terrestrial, and Aquatic Wildlife – Madison WI</strong></td>
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<td>May 15-19, 2008</td>
<td><strong>CLD Seminar - Topics in Lab Animal Medicine, Raleigh, NC</strong></td>
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<td>June 19-22, 2008</td>
<td><strong>13th International Congress on Infectious Diseases, Kuala Lumpur</strong></td>
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<td>July 6-12, 2008</td>
<td><strong>General Pathology Beach Party – Tampa/St. Pete, FL</strong></td>
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