Liver Symposium Sets New Record in Savannah

The annual meeting of the ACVP, this year in Savannah, Georgia, continues to be an outstanding venue for Foundation CE meetings. Eclipsing the mark of 185 attendees set last year by “Diagnostic Cytology for the Anatomic Pathologist”, this year’s meeting on “Pathology of the Liver, What’s New and What’s Still True” proved to be even more successful with a total of 205 participants.

The lecturers were no strangers to the assembled crowd. Professors John Cullen and Tom Van Winkle (of NC State University and the University of Pennsylvania, respectively), are well known due to their numerous lecturers for the Foundation over the years. John has been the Foundation’s “go-to guy” on liver pathology for a number of years, speaking for us in Australia, Canada, and the U.S. in various venues over the years. Tom has been very busy for the Foundation as well, lecturing on gross pathology, neuropathology and hepatopathology within the last decade.

The meeting was especially timely, following Dr. van Winkle and Cullen’s recent work on the World Small Animal Veterinary Association’s Standards for Histological and Clinical Diagnosis of Canine and Feline Liver Diseases. Two copies of this book were contributed by Elsevier (and distributed to two lucky participants as part of a random drawing.)

The morning began with Dr. Cullen’s often humorous explanation of the intricacies of liver diagnosis, highlighting the necessary teamwork between pathologist and technician, the absolute necessity of clinical correlation, and ways to approach the interpretation of a liver biopsy (in which we learned about the dreaded “doughnut of death”).

(Continued on page 4)
Bioimaging Meeting at Genentech Draws Over 100 Attendees

The 2nd Annual West Coast Subdivision Toxicologic Pathology Symposium, entitled “Bioimaging for the Experimental and Toxicologic Pathologist” was held on Friday October 19th, 2007 on the campus of Genentech, Inc in South San Francisco, California (see photo showing meeting location on the shore of the San Francisco Bay). The symposium had a record number of registered attendees (72), largely from the biopharmaceutical industry but with academia also well represented, as well as 31 exhibiting attendees representing nine different exhibitors from the microscopy, digital imaging and reagent fields. Most meeting attendees were from the West Coast, with the majority from California. Several attendees, however, made their way from as far away as Missouri, Ohio, Virginia, Maryland, Prince Edward Island (Canada), and even the UK! Symposium exhibitors (who were all also sponsors) were Aperio, Bacus/Olympus, Bioimagene, Carl Zeiss, Definiens, Dmetrix, Invitrogen, JH Technologies (Leica distributor) and Ventana Medical Systems. Other symposium sponsors were Allergan, Genentech and Roche Palo Alto.

The symposium lasted the entire day, and consisted of 10 excellent platform presentations from leading industry and academic authorities on both in vivo and microscopic imaging. Symposium speakers were Nick Van Bruggen from Genentech and Chris Contag from Stanford, speaking on in vivo bioimaging; and Sanford Barsky from Ohio State University, Drew Lesniak from Carl Zeiss, Laszlo Komuves from Genentech, Gary Knutsen from Systems Pathology Company, Gary Pestano from Ventana Medical Systems, Kurt Scudder from Definiens and Virgile Richard from Pfizer speaking on various topics in microscopic and digital imaging. Based on feedback from attendees, all presentations were very well received, and the symposium was considered very valuable and informative.

FDN Sponsors First Spanish-Language Lecture at ACVP Meeting

On Tuesday, 13 November, the Foundation proudly presented, in conjunction with the Latin Comparative Pathology Group, the first Spanish-language lecture ever at the annual American College of Veterinary Pathologists meeting in Savannah. Dr. Ricardo Ochoa, a long-time friend and patron of the Foundation, presented a lunchtime lecture on “Challenges to Developing Weight Control Therapies.” The lecture covered trends in obesity in developing countries, the challenges of developing and gaining FDA approval for anti-obesity drugs, current classes of obesity drugs and their mechanism of action, and covered a number of classes of drugs currently being evaluated for use in this area. The lecture was well attended and we look forward to lectures for Spanish speakers at the STP and ACVP meetings in 2008 and beyond.
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
Hepatic Pathology Meeting at ACVP  (continued from page 1)

Following a morning break, Dr. Cullen reviewed congenital portosystemic shunts and portal hypertensive disorders of the liver, and closed his segment with a review of cystic liver diseases. Then it was time for Dr. van Winkle to ascend the podium, laying the groundwork before the lunch break for his tour-de-force on non-inherited biliary and parenchymal liver diseases. After lunch, the participants got the full gamut of biliary and hepatic disease, starting with normal histology, and proceeding through reversible hepatocyte injury, hepatocellular death, and cirrhosis. The various toxicoses, storage and metabolic diseases came next, followed by infectious hepatic processes and amyloidosis. Then came hepatic abscesses and granulomas, hepatic metabolic storage diseases, and miscellaneous conditions, toxicoses, infectious agents affecting the liver, and the liver’s response to injury from the cellular level to the whole organ changes (end-stage liver). Following another well-placed break, the didactic portion of the day concluded with a review of hepatic neoplasia.

Throughout each presentation, the speakers availed themselves of the microscope projection system provided by our sponsor, Nikon Imaging, reinforcing principles provided in the earlier lecture. At the end of the day, the two experts also spent time reviewing unknown slides provided by symposium participants, illustrating the proper way to approach difficult hepatic cases. Participants all agreed that this was another outstanding Foundation symposium, and well worth the extra day in Savannah. Perhaps it was the interplay of the two lecturers, friends for over twenty-five years, or the assured direction of Dr. Sarah Hale (who can claim the two largest American audiences for a Foundation meeting over the last two years). Perhaps it was the extensive syllabus (available at the Foundation’s web site) and a copy of the World Health Organization’s *Tumors of the Alimentary System of Domestic Animals* which were distributed to each participant. Perhaps it was the participation of our sponsors: Aperio, Inc., Nikon Imaging, EPL Laboratories, and WIL-Biotechnics. For whatever reason, the Foundation continues to rock at the annual ACVP meeting. Look for another large crowd in 2008, when the Foundation will re-enact (and update) the 1958 ACVP symposium on skeletal disease in “Orthopedic Pathology – 50 Years On”.

17th Annual Southcentral Meeting in Galveston, TX

Dr. Joe Simmons, Director of Laboratory Diagnostics, Charles River Laboratories, Wilmington, MA was our guest speaker, covering Diseases of Primates. He did a great job of reviewing the viral diseases of primates, using the idea that nearly all of them have a human counterpart, making it easier to learn the similarities and differences in the pathogenesis. We had 30 attendees coming from Arkansas, Louisiana, Ohio and Texas. Twenty interesting case reports were given from slide sets that were collated by Dr. Barbara Lewis at the Texas Veterinary Medical Diagnostic Laboratory.

Once again we had a great group lunch and dinner on the Friday night and look forward to our next meeting in October 2008. We have already lined up an interesting speaker, Dr. Hubert Johnson of the San Diego County Laboratory, to speak on Avian Diseases and share a self-study CD-ROM of his collected materials with the attendees, so plan to come. This is a great weekend getaway meeting and we thank Charles River Laboratories for their sponsorship.
NE Div. Day Seminar: Toxicologic Ophthalmic Pathology

The Eye in Safety Studies

Preparation of Ocular Specimens

Anatomy, Pathology and Mechanisms of Toxicology Affecting the:
- Cornea - Lens - Retina
- Uvea and Extraocular Tissues
- Immunohistochemistry of the Retina

Speakers:
Richard Dubielzig, U. Wisconsin
Gus Aguirre, UPenn
James Rendler, Pfizer
William Beltran, UPenn

Dec 7, 2007
Hill Pavilion, Univ. of Pennsylvania, Philadelphia, PA

This seminar brings together experts in the area of ophthalmic pathology and toxicologic pathology to review key target tissues for pharmacologic and toxicologic study in the orbit and globe. Clinopathologic correlation of anatomy, pathology, and mechanisms of toxicity will be conducted and the seminar concludes with a panel discussion and audience participation.

Program Director:
Dr. Ralph Bunte, DVM, DACVP
UPenn Lab Animal Resources
Phone: 215-898-4000
Email: rbunte@pobox.upenn.edu

Support:
Allergan
Pfizer
Zoo Path Workshop Roars Into Knoxville

The 14th annual C.L. Davis Zoo Pathology Workshop took place on 6 October 2007 at the annual conference of the American Association of Zoo Vets. Each year, the workshop focuses on a single subject, with a featured lecturer in the morning, and a series of case presentations by attendees in the afternoon. The audience, this year, as in past years, includes a mix of zoo pathologists, zoo clinicians, and veterinary students interested in zoo and wildlife medicine. Since its inception, Drs. Linda Lowenstine and Dick Montali have been the driving forces behind this meeting, working with the AAZV, helping presenters with their cases, and even collating study sets. Their attention to detail was once again in evidence this year as participants agreed that the 2007 meeting was one of the best ever.

This year’s lecture focused on diseases of the liver, with Dr. John Cullen of North Carolina State University providing an excellent overview of general concepts in hepatic pathology which are as valid in exotic species as they are in domestic animals. Following a two-hour lecture, Dr. Cullen led the discussion on each presented case, good-naturedly protesting his ignorance of the intricacies of liver disease in non-mammalian species.

This year, 16 cases of liver pathology were presented, including 8 cases of liver diseases in mammals, two birds, three reptiles, and three fish. One cytologic case from a scimitar-horned oryx by Dr. Tabitha Viner of the National Zoo illustrated the vast potential for cytology in the diagnosis of hepatic disease.

This year’s meeting demonstrated another first for the zoo path workshop – for the first time, all slides were digitally scanned and provided to participants on a two-disk DVD set. Case write-ups were distributed to participants via the Foundation’s website prior to the meeting, and are still available at http://www.cldavis.org. The subject for the 2008 meeting will be pathology of special senses. Make your plans to attend in 2009 in sunny Los Angeles!
Inaugural C.L. Davis Canadian Symposium on Laboratory Animal Science
March 6-7, 2008
University of Guelph, Guelph, Ontario
Program Director: Patricia V. Turner, DVM, DVS c.
Dept of Pathobiology, University of Guelph

Offered for the first time in Canada and conveniently located for those in the northeast, this course focuses on issues relevant to laboratory animal medicine. The course will provide continuing education on diseases of laboratory mice, interpretive pathology, emerging genetic engineering techniques for mice, US lab animal regulations, and serology interpretation. For those preparing for board examination in laboratory animal medicine, the course will also feature a journal review session and an official mock board examination. Don’t miss this outstanding symposium!!!

Thursday, March 6
Emerging Engineering Techniques and Production Pitfalls
Geoff Wood, University of Guelph
Diagnostics 101: Interpreting Rodent Serology
Joe Simmons, Charles River Labs, Wilmington, MA
Interpretive Pathology
Rob Foster, University of Guelph
Literature Review
Jim Guerdon, McGill University, Montreal
Lisa Martin, SUNY Buffalo, Buffalo, NY
Pat Turner, University of Guelph

Friday, March 7th
Selected Diseases of Mice
Pat Turner, University of Guelph
Navigating the US Animal Regulations
Thomas Martin, Columbia University
Mock Board Examination

$150 includes continuing education credits, lunch and refreshment breaks, CD containing the course syllabus and mock exam.
For more information, please contact Dr. Pat Turner at pvtturner@uoguelph.ca
Diagnostic Pathology of Diseases of Aerial, Terrestrial and Aquatic Wildlife

9-11 April 2008, Madison, WI

Now in its second year, the Foundation's primary course on wildlife takes a more in-depth look at several growing areas in this sector. This year's course focuses on forensic pathology, growing human impact on patterns of wildlife disease, and pathology of cervids and marine mammals. In addition, Thursday boasts a lineup of speakers from the National Wildlife Health Center, and culminates with a tour of their facility in Madison Wisconsin. Participants also will receive a copy of Gardiner and Peyton's excellent Atlas of Mammalian Parasites in Tissue Section as part of their registration. Don't miss this outstanding symposium!

Program Director:
Scott D. Fitzgerald, DVM, PhD
Diagnostic Centers for Population & Animal Health,
Michigan State University
E-mail: Fitzgerald@dcph.msu.edu
Phone: 517-353-1774

For more information on this course: visit http://www.cldavis.org/courses/upcoming.html#66.
General Path Beach Party

Date: July 6 - July 11, 2008
Location: Sirata Beach Resort
St. Petersburg, Florida
Website: www.sirata.com

Spend the day with “McGavin and Zachary”* and your evenings with family and friends on the beach in beautiful St. Pete Island, FL! It’s a party like no other that you will EVER attend, guaranteed! Whether you are a pathologist in training, or just looking to catch up, this is an event you won’t want to miss !!!

Faculty
Ron Myers - Cellular Adaptation
Mark Ackermann - Inflammation
Derek Mosier - Hemostasis
Paul Snyder - Immunopathology
Matti Kiupel - Neoplasia and Tumor Biology
Brad Bolon - Toxicologic Pathology
Jim McLachlan - Infectious Diseases

TUITION: $550

**McGavin and Zachary: Pathologic Basis of Veterinary Disease, 4th Ed

For more information, contact course director, Dr. Bruce Williams at williams@cldavis.org or 301-467-4024.
1st Annual Davis Foundation Indian Toxicologic Pathology Meeting

13-15 March 2008
Pune, India

Lectures to include:

- Comparative Approaches of Diagnostic vs. Toxicologic Pathology
- Morphologic Manifestations of Toxic Injury
- Differentiating Aging Changes versus Toxic Changes
- Artifacts vs. Real Changes in Tissues
- Commonly Used Animal Models in Toxicologic Pathology
- Novel Drug and Delivery Systems
- Advances in Digital Pathology
- Gross Pathology Practicum

For more information, including tuition, venue, and hotel information, please visit:

Program Directors:
Dr. S. Inivasa Rao, DVM, DACVP, PhD, MBA
National Institutes of Health, USA
Dr. Zadok Ruben, DVM, PhD
Davis FDN Vice-President for Toxicologic Path

Featured Speakers:
Dr. Niki Khati, Biomagene, Inc.
Dr. Suresh Poosaia, National Institutes of Health, USA
Dr. Michael Royals, PharmaJet, Inc.
Dr. Matt Wallig, University of Illinois, USA
<table>
<thead>
<tr>
<th>DATE:</th>
<th>SYMPOSIUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov 22-24</td>
<td>South and Eastern Africa Annual Symposium - Nairobi, Kenya</td>
</tr>
<tr>
<td>Nov 29</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Annual Argentina Subdivision meeting, Topics in Small Animal Medicine, La Plata, ARG</td>
</tr>
<tr>
<td>Nov 30</td>
<td>CLD/AAEP Equine Path Symposium, Equine Herpesviral Disease, Orlando FL</td>
</tr>
<tr>
<td>Dec 7</td>
<td>NE Division Day Seminar: Toxicology Pathology of the Eye</td>
</tr>
<tr>
<td>6-7 Mar 08</td>
<td>Canadian Lab Animal Path Course, Univ. of Guelph</td>
</tr>
<tr>
<td>March 24-28, 2008</td>
<td>36&lt;sup&gt;th&lt;/sup&gt; Annual Gross Pathology Course, Bethesda, MD</td>
</tr>
<tr>
<td>March 27-2008</td>
<td>CLD/AAHA Preconference Meeting – Tampa, FL - Getting the Most Out of Your Pathologist</td>
</tr>
<tr>
<td>April 9-11, 2008</td>
<td>CLD Symposium on Diagnostic Pathology of Aerial, Terrestrial, and Aquatic Wildlife – Madison WI</td>
</tr>
<tr>
<td>13 April 08</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Annual CLD/ACLAM Symposium – Management and Diseases of Fish in the Laboratory Setting</td>
</tr>
<tr>
<td>17-20 Apr 98</td>
<td>Workshop and Symposium on Lab Animal Diseases, Chicago, IL – Pathology of Non-Murine Laboratory Rodents</td>
</tr>
<tr>
<td>May 15-19, 2008</td>
<td>CLD Seminar - Topics in Lab Animal Medicine, Raleigh, NC</td>
</tr>
<tr>
<td>June 19-22, 2008</td>
<td>13&lt;sup&gt;th&lt;/sup&gt; International Congress on Infectious Diseases, Kuala Lumpur</td>
</tr>
<tr>
<td>July 6-12, 2008</td>
<td>General Pathology Beach Party – Tampa/St. Pete, FL</td>
</tr>
<tr>
<td>13-15 Aug 08</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Annual Colombian Symposium – Universidad Nacional, Bogota – Dermatopathology, Neuropathology, and Oncology of Small Animals</td>
</tr>
<tr>
<td>19-21 Sep 08</td>
<td>European Division Symposium – Dubrovnik, Croatia</td>
</tr>
<tr>
<td>25 Sept 08</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Annual CLD/AABP Seminar – Pathology of Abortions in Cattle</td>
</tr>
<tr>
<td>10 Oct 2008</td>
<td>15&lt;sup&gt;th&lt;/sup&gt; Annual CLD/AAZV Zoo and Wildlife Pathology Seminar</td>
</tr>
<tr>
<td>5 Dec 08</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Annual CLD/AAEP Seminar – San Diego, CA</td>
</tr>
</tbody>
</table>