The 2016 Pathology of Laboratory Animals (POLA)  
At The University of Pennsylvania

A view from the back and all students are paying rapt attention.

From 4-8 September, the 65th annual Pathology of Laboratory Animals Course was conducted in the “City of Brotherly Love”. The attendees certainly fell in love with the part of the city surrounding the University of Pennsylvania with its tree-lined walks, gargoyle-guarded buildings, and wonderful restaurants and food trucks.

But the course was pretty well-received as well. Longtime member of the Faculty of Discussants returned to the helm of the course (filling in for current director, Dr. Paul Facemire) and delivered a wonderful course. The first day of the course was dedicated to rodent pathology, with JHU professor Dr. Cory Brayton holding forth on almost every aspect of this rapidly changing field – her notes alone provided a textbook for the attendees who are likely still in the process of reviewing it!

Other course veterans including Tim Cooper (Hershey Medical Center), Kirsten Barnhart (Abbvie), and Dr. Williams delivered lectures which continued the high
accolades for this long-running course. Dr. Cooper and Dr. Williams also each prepared a mock exam for the participants at the end of the day on Wednesday and Thursday. New lectures and lecturers are also a hallmark of Foundation courses, and this course was no different. Dr. Kristie Mozzachio, a pathologist and also a practitioner who specializes in minipigs, delivered a wonderful new lecture on the diseases of minipigs from a laboratory as well as a pet perspective. Her experience with older “minnies” yielded a lecture rife with aging changes that most attendees had never seen.

A second lecture made its debut at this year’s course. Zadok Ruben, long-time director of the N.E. division, provided an introductory overview to careers in the pharmaceutical industry, aimed at trainees who will be entering this field in the coming year or two. Dr. Ruben’s 35 years in this field allowed him to illustrate the concepts with insightful anecdotes from his own career experience, and his willingness to sit down and talk with the young pathologists and lab animal practitioners in attendance may him a very popular figure for the remainder of the course. His promise to many to remain in touch by email as a consultant as they enter the pharma workplace made this breakout session the lecture that may benefit the attendees the most from the entire week!

Stay tuned for details on the 2017 POLA course!

-Bruce Williams, DVM DACVP
CEO, Course Director

Retiring?

Have slides left over from your recent slide seminar? Just looking to free up some storage space? The Foundation is looking for additional glass slides, kodachromes and other similar materials for its Correspondence Division and Study Centers. All materials should be well-identified with as much accompany history and discussion as possible, as these materials are expressly used for teaching. Moreover, as the Foundation is a publicly donative charity, all donated materials are tax-deductible. For more information, please contact Dr. Bruce Williams at williams@cldavis.org.
From the Davis-Thompson Foundation Store

What is the largest selling book ever in veterinary pathology?

You may not know this, but John King’s Necropsy Book (now in its fifth edition) has sold more copies around the world than any other book in our specialty.

Pocket-sized and packed with down-to-earth knowledge when you need it (right there on the necropsy floor), it is a must-have for every pathologist and pathologist in training.

This edition contains things that you won’t find in any other pathology textbook – the best autopsy techniques, classic “non-lesions” encountered in various species, even characteristic smells encountered with certain diseases, and all for only $40 (plus $8 for international shipping).

To order, visit http://store.cldavis.org or call 1-847-367-4359.

AAVLD Slide Sets Available for Purchase!

Limited numbers of glass slides sets from the AAVLD Diagnostic Pathology Slide Seminars (2011-2014) are available for purchase! A listing of diagnoses for the slides within each set can be viewed here. You may obtain one or more of the sets by submitting an order form to the AAVLD Secretary-Treasurer. (Click here). Proceeds generated from sale of slide sets will be used for pathology resident/graduate student travel awards. Slide sets from 2015 are available for $50 per set plus shipping. Please contact Dr. Alan Loynachan (alan.loynachan@uky.edu) if you require further information.
Got Pictures of a Foundation Meeting?

We’d love them for the newsletter! Attending a meeting, using a publication, spending time in a Foundation study center anywhere in the world – it all makes the newsletter a more interesting read and shows how much we are doing around the world. Please send any digital images to Foundation newsletter to info@cldavis.org and thanks!!!

BRITISH SOCIETY OF TOXICOLOGICAL PATHOLOGY

BSTP/AIT Joint Meeting
Thursday 10th – Friday 11th November 2016
Alderley Park Conference Centre, Alderley Edge, Cheshire, UK

Emerging issues in inhalation toxicology and pathology

The annual meeting of the British Society of Toxicological Pathology and the Association of Inhalation Toxicologists (AIT) will bring together many of the world’s leading experts in respiratory pathology, inhaled drug development and inhalation toxicology across all sectors.

The BSTP and AIT AGM’s will be held during this meeting.

Registration for this meeting is still open, to register visit - http://www.bstp.org.uk/events/bstpait-joint-meeting/

The early registration fee is available until 1st October, with registration closing on 16th October 2016.

For further information about the meeting, please contact bstpoffice@aol.com

Continuing Education Symposium 7: Urinary system
Tuesday 6th – Thursday 8th December 2016
University of Cambridge, Cambridge, UK

Registration for this symposium is now open – http://www.bstp.org.uk/events/bstp-ces-7-urinary-system/

If you have any queries or would like to reserve a provisional place, please contact the BSTP Secretariat - bstpoffice@aol.com
Diagnostic Exercise
From The Davis-Thompson Foundation*

Case #: 70 Month: July Year: 2016

Contributor: Catherine Picut, VMD, JD, DACVP, DABT, Senior Pathologist at Charles River Laboratories, Durham, North Carolina, USA.

Clinical History: 20-week-old, control Sprague Dawley rat from a 3-month gavage safety study that was euthanized as scheduled at end of study. Final body weight 512 g (mean for control group was 621 g).

Necropsy Findings: Irregular thickening of the wall of cecum.

Microscopic Findings:

Follow up questions: Morphologic diagnosis, Cause, Associated lesion in other organ(s).

Answers here!

*The Diagnostic Exercises are an initiative of the Latin Comparative Pathology Group (LCPG), the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and non-members from any country of residence. - Consider submitting an exercise!
NORTHEAST DAY SEMINAR -- IMMUNO-ONCOLOGY

From left to right, Drs. Calvert Louden, Laura Johnson, Iqbal Grewal, Helen Haggerty, Jacintha Shenton, Marlon Rebellatto, Chidozie Amuzie and Zadok Ruben (Program Director).

Janssen R&D (J&J Pharmaceuticals) and the Davis-Thompson sponsored and hosted the Northeast Day Seminar on Friday, September 9, 2016, at Spring House, Pennsylvania. The Society for Toxicologic Pathologists were a co-sponsor of the event. The seminar topic was IMMUNO-ONCOLOGY. Brenner Auditorium was filled to capacity with over 150 attendees. Janssen’s Dr. Chidozie Amuzie (Dozie) prepared and directed the program and Dr. Norman Barlow welcomed the participants. The program included the following presentations: Overview of Tumor Immuno-biology and Immuno-oncology (IO) Therapies, by Laura Johnson, PhD, Director, Solid Tumor immunotherapy Laboratory, Dept of Pathology and Lab Medicine, University of Pennsylvania; Considerations for the Safety Assessment of CD3 Bi-species: From Species Selection to First-in-Human, by Jacintha Shenton, PhD, Scientific Director, Biologics Toxicology, Janssen R&D; From Bench to Bedside and Back Again: A Tale of T-cell Immunotherapy, was also given by Laura Johnson, PhD; Toxicological Approaches to T-cell Immunotherapies (Webinar), by Timothy MacLachlan, PhD, Director, Preclinical Safety, Novartis Institute of Biomedical Research; Safety Assessment of Checkpoint Inhibitors and Costimulatory Agonists: What Have We Learned? By Helen Haggerty, PhD Distinguished Research Fellow Bristol-Myers Squib; Predictive Biomarkers and Companion Diagnostics in IO, by Marlon Rebellatto, DVM, PhD, DACVP, Senior Pathologist, Translational Sciences, MedImmune; and Challenges of current IO Approaches with Case Examples, by Igbal Grewal, PhD, DSc, FRCPath, Vice President, Immunono Oncology, Janssen R&D.

The seminar concluded with a discussion/QA session and closing remarks by Dr. Calvert Louden. Many thanks to the generous support provided by Janssen R&D, and its Drs. Amuzie, Louden and Barlow. The assistance of Janssen’s Anne Barber is greatly appreciated.

This gathering closes the 25th Anniversary of the Northeast Day Seminars that started in October 1991 at Hoffman-La Roche, in Nutley, New Jersey. The seminars have been hosted by pharmaceutical companies, universities (colleges of veterinary medicine) and contract research laboratories in New Jersey, Massachusetts and Pennsylvania.

-Zadok Ruben, DVM, PhD, DACVP, DABT
Program Director, NE Division
C.L. Davis Foundation Pre-Meeting Workshop

The Identification of Protozoan and Metazoan Parasites in Tissue Section

Saturday, December 3, 2016
8:00 a.m. - 5:00 p.m.

ACVP/ASVCP Annual Meeting in New Orleans, LA

Please join us for a day of parasite discovery with Dr. Chris Gardiner, esteemed author of the companion collection, An Atlas of Metazoan Parasites in Animal Tissues and An Atlas of Protozoan Parasites in Animal Tissues. Dr. Gardiner is also the 2016 recipient of the Robert Farrell Award for Sustained Lectureship Excellence from the Davis-Thompson Foundation.

His discussion will include:
- Morphology of protozoan and metazoan parasites in histological sections
- Interesting cases delineating morphological characteristics of parasites in histological sections
- Laboratory procedures in the preservation of parasites during necropsy for future identification

This exciting course should be of interest to veterinary pathologists, pathology residents, and diagnosticians working with animals.

Register for the pre-meeting workshop when registering for the 2016 ACVP/ASVCP Annual Meeting (www.acvp.org)
Join us for an intensive 4-day session on concepts in general pathology. The course will include:

- A pre-meeting STUDY GUIDE that includes a reference list of important and recent articles (chosen by the faculty), practice exams, and round table “breakout sessions”
- More information: http://www.cldavis.org/upcoming.html#199


Preliminary Program:

**THURSDAY, JANUARY 19**
- Cellular responses to injury  
  F. Chuck Mohr, UC Davis
- Hemodynamics  
  D.M. Imai & A. Kol, UC Davis
- Breakout session  
  Reinforcing cell responses to injury  
  with ultrastructure

**FRIDAY, JANUARY 20**
- Inflammation and repair  
  B. Murphy, UC Davis
- Immunity and hypersensitivity  
  P.W. Snyder, EPL, Inc.

**SATURDAY, JANUARY 21**
- Neoplasia  
  K. Woolard, UC Davis
- Toxicologic Pathology  
  B. Bolon, GEMpath, Inc.

**SUNDAY, JANUARY 22**
- Microbial mechanisms of disease  
  P.A. Pesavento, UC Davis
- Breakout session
- PRACTICE EXAM
X Seminar of the Argentinean Subdivision of the Davis-Thompson Foundation and X Argentinean Meeting of Veterinary Pathology (RAPAVE)

The 10th seminar of the Argentinean Division of the Davis-Thompson Foundation was held in Esperanza, Argentina, simultaneously with the 10th Argentinean Meeting of Veterinary Pathology (RAPAVE), between 24 and 26 of August, 2016. The venue was the Dante Alighieri Cultural Center, in downtown Esperanza. The organizers of the meeting were Drs Ana Canal, Ma. del Rocio Marini and Amorina Sanchez, from the Veterinary School of the National University of the Litoral. The organizing committee was supported by an enthusiastic group of students that took care of myriad activities.

The seminar was well attended by a total of 150 participants, including pathologists, lecturers, professors, residents, undergraduate and postgraduate students and private practitioners from Argentina, Brazil, Chile, Uruguay and Ecuador. Twenty-two public and private institutions from these countries were represented.

Dr Manuel Pizarro, from Complutense University of Madrid (Spain), lectured for a full day on avian pathology. This was complemented by a 30 minute lecture via Skype on Marek’s disease by Dr Francisco Carvallo from UCDavis (USA).

Dr Franklin Riet Correa, from the Uruguayan Animal Health Platform gave lectures on toxic plants for cattle. Dr Donal O’Toole, from University of Wyoming (USA) lectured on malignant catarrhal fever and diseases of calves, with special emphasis on histophilosis.

Gross wet lab: Dr Donal O’Toole (second from left) is demonstrating lesions, Dr Melissa Macias (second from right) is translating into Spanish.

A 3-hour histopathology workshop included the presentation of 17 exciting cases in domestic and non-domestic species, by the same number of colleagues. The sections had been prepared by UCDavis and distributed several weeks before the workshop; in addition a few microscopes were available during the meeting. This way the presenters and other attendees had the opportunity to examine the sections before they were presented. A full afternoon wet lab on bovine gross pathology was conducted by Drs. O’Toole, Enrique Paredes (Austral University of Chile) and Uzal, for which a large number of organs from a slaughterhouse were examined. During this lab, 40 participants had the opportunity to observe a great variety of conditions of infectious, metabolic, parasitic and hereditary etiology.

In addition, there were 71 posters and 13 oral presentations (selected from abstracts submitted).

All these activities generated a lot of interest and allowed the participants and the high quality speakers to share information and engage in useful discussion.
CALENDAR OF UPCOMING EVENTS

December 2016
12/3 - CLDF-ACVP Diagnostic Pathology Workshop: Identification of Nematodes and Protozoans in Tissue Sections with Dr. Chris Gardiner

January 2017
01/19-01/22 – General Pathology Review – University of California, Davis

BOOKSTORE ORDERS
We occasionally have problems with overseas credit card orders through the bookstore. If you find you cannot place your order please email, call or fax the Foundation at phone: 847-367-4359; fax: 847-247-1869; email: cldavisdvm@comcast.net. Make sure you include your name, address, phone, email address and credit card number with expiration date and we will ship your purchase immediately.