



# CHARLES LOUIS DAVIS DVM FOUNDATION

A TAX-EXEMPT, DONATIVE, PUBLICLY-SUPPORTED CHARITY  
FOR THE ADVANCEMENT OF VETERINARY AND COMPARATIVE PATHOLOGY

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### Inside This Issue

- 1 Sydney Meeting Recap
- 2 NE Division Recap
- 3 Sydney Meeting (cont.)
- 3 2009 Gross Course
- 4 CLD/ACVP Meeting
- 5 Endocrine Tumor Fascicle
- 6 AAVLD Diagnostic Path
- 7 CLD/AAEP Meeting
- 8 Meetings Calendar

## Inaugural Wildlife Pathology Short Course is a Hit in Sydney



Two cuddly critters meet at the Wildlife Health Program at the Taronga Zoo. The one with the tie is Scott Fitzgerald of Michigan State University.

Between August 21 and 24 of this year, a special first-time course was held at the Taronga Zoo, Sydney, New South Wales. This Wildlife Pathology short course was the result of a collaborative effort between the Charles Louis Davis DVM Foundation, the Australian Registry of Wildlife Health, the Cybec Foundation, and the Department of Agriculture, Fisheries and Forestry of the Australian Government.

This was billed as the first course dedicated to wildlife pathology ever held in Australia, and judging by the response and evaluations of the 140 participants it was an overwhelming success. Featuring four members of the CL Davis Faculty of Discussants, including Dr. Judy St. Leger, Dr. Richard Montali, Dr. Gary Wobeser, and Dr. Scott Fitzgerald, this course provided 13 hours of outstanding overview presentations. This core was

supplemented by over a dozen local Australian experts lending their expertise on all types of native Australian wildlife species, and included scientists from academia, zoo and wildlife parks, and members of the Australian Wildlife Health Network.

*(continued on Page 3)*



7 lucky participants received travel bursaries, kindly underwritten by the Cybec Company, a meeting sponsor.

## First Foundation Stem Cell Meeting Shows its (Pluri)Potential at Columbia University

The NE Sub-Division held a day-seminar on October 3rd, its first at the College of Physicians and Surgeons in Columbia University, Manhattan, New York, on Stem Cell Therapy In Animal Models Of Human Diseases. More than 50 attendees, including DVM and MD pathologists, molecular biologists, post-doctoral scholars and residents came from as far as the West Coast and Canada. Course Director, Dr. Manu Sebastian, Chief of Comparative Pathology at Columbia University, welcomed the participants. Dr. Zadok Ruben, NE program director, introduced the Foundation.

Dr Lori Sussel, Associate Professor, Naomi Berrie Diabetes Center, Columbia University, gave the first talk with an introduction of stem cell biology and the role of stem cell therapy in diabetes mellitus. The next talk was by Dr Jennifer Moore, Assistant Director of Stem Cell Research Center, Department of Cell Biology and Neuroscience, Rutgers University, on characterization of a neural human embryonic stem cell line.

After a coffee break, Mr. Steve Kovler of Aperio gave a short presentation on applications of digital pathology. This was followed by Dr. Mark Thiede, Research Fellow in the Genetically Modified Models Center of Emphasis, Pfizer, Groton, CT, who detailed the stem cell based assays applicable to the discovery, pharmacology and toxicology of drug candidates. The afternoon session started with a presentation by Dr. René Meisner, Senior Scientist, Stem Cells, Inc. Palo Alto, CA on stem cell preclinical trials in different animals models of neurodegenerative diseases.

The much-awaited talk of the day was given by the FDA's Dr. Theresa Chen on preclinical perspectives for stem cell therapy products. Dr Chen detailed the various criteria used for toxicological evaluation of stem cell therapy. Dr. Warren Sherman, Director, Cardiac Cell-Based Endovascular Therapies, Center for Interventional Vascular Therapy, Columbia University, reviewed various stem cell therapy experiments conducted in animal models for myocardial infarction; he also discussed the clinical perspectives of human myocardial infarction and the future of stem cell therapy for this disease. A presentation on the role of stem cells and progenitor cells in brain tumors, was given Dr. Peter Canoll, a neuropathologist in the Herbert Irving Cancer Institute, Columbia University. He used several images of mouse models of different brain tumors and explained in the possible role of stem cells in brain tumorigenesis.

The final talk was by Dr. David M. Owens, Florence Irving Assistant Professor of Epithelial Cell Biology in the Departments of Dermatology and Pathology, Columbia University, on the role of cutaneous epithelial stem cells in skin regeneration and carcinogenesis. During the closing discussion, several participants suggested a similar seminar to be organized every year on the same topic as this is one of the most rapidly developing areas in biomedical research.



Top: Drs. Sebastian and Sherman of Columbia Univ. lead a discussion. Bottom: Course organizers Manu Sebastian, Rene Meisner, and NE Division Director, Zadok Ruben.

*(Sydney Wildlife Meeting... cont. from p. 1)*

**Dr. Karrie Rose and Jane Hall of the Taronga Zoo deserve special mention for arranging for the venue, proceedings, and organizing all the Australian speakers in the program. One special feature of this meeting was the funding of six fellowships which allowed young investigators and veterinary students to attend the meeting at reduced or fully subsidized rates, thanks to the generous sponsorship of the Cybec Foundation.**

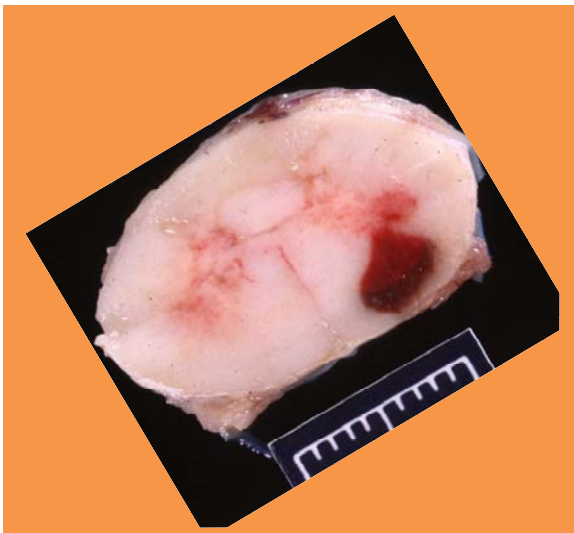
**This meeting provided great educational value and networking opportunities, and is an example of the ongoing international educational efforts of the CL Davis Foundation.**

*Scott Fitzgerald, DVM, Ph.D.*



Foundation faculty members providing core wildlife overviews include (from left): Drs. Judy St. Leger, Richard Montali, Gary Woeser, and Scott Fitzgerald.

## Preliminary Announcement for 2008 Gross Morbid Pathology of Domestic Animals



**Mark your calendars for the 34<sup>th</sup> Annual Gross Pathology Meeting!!!**

**Featuring:**

- Dr. Ana Alcaraz on Pathology of Swine**
- Dr. Michael Eckhaus on Pathology of Lab Rodents and Rabbits**
- Dr. Leslie McLaughlin on Pathology of the Horse**
- Dr. Peg Miller on Pathology of Ruminants**
- Dr. Dan Shaw on Avian Pathology**
- Dr. Judy St. Leger on Pathology of Marine Mammals and Fish**
- Dr. Ross Tarara on Pathology of Non-Human Primates**
- Dr. Bruce Williams on the Pathology of Dogs and Cats**

**This course will be held in Bethesda, Maryland. We are currently looking at an alternative venue from past years, so stay tuned for further information via the Davis Foundation web site at [www.cldavis.org](http://www.cldavis.org)**

## ORTHOPEDIC PATHOLOGY – 50 YEARS ON

REVISITING 22 CLASSIC ENTITIES  
FROM THE 1958 ACVP MEETING  
ON SKELETAL DISEASE

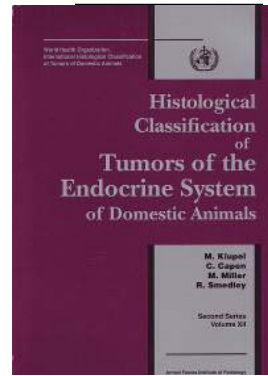
14 Nov 2008 – SAN ANTONIO, TX

Including:

- Hypertrophic osteopathy
- Rickets
- Porphyria
- Hypovitaminosis C
- Renal osteodystrophy
- Fluorosis
- Osteogenesis Imperfecta
- Osteoarthritis
- Actinomycosis
- Atrophic rhinitis
- Osteosarcoma
- Multiple myeloma
- Metastatic carcinoma
- Osteoarthritis
- Coccidiomycosis

Participants will receive a DVD set with the transcript and 260 images from the 1958 symposium, biographies of the original presenters, and 23 virtual slides of the entities presented in 1958 and 2008.



**It's Finally HERE!!!****Histological Classification of Tumors of the Endocrine System of Domestic Animals****Authors: M. Kiupel, C. Capen, M. Miller, R. Smedley.****ISBN: 978-1-4276-3153-4 Available for US \$55.00**

Order the last volume and complete your set! This 187-page volume on tumors of the endocrine system is replete with 195 full-color images, as well as the most exhaustive descriptions and reference lists of any of the WHO fascicles to date. The extensive discussions found in this must-have fascicle also include "tumor-like" lesions, classification of tumors of various endocrine organs based on hormone production, an extensive review of paraganglia and dispersed endocrine cells, and even references to common endocrine tumors in lab animal species! Volume XII was a while in coming, but we are sure you will find it worth the wait! Books are shipped by USPS MediaMail. Please allow 2 weeks for delivery.

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# 8<sup>th</sup> Annual C.L. Davis Diagnostic Pathology Symposium Gastrointestinal Pathology

*Diagnosis and  
Pathogenesis of Enteric  
Bacterial Diseases*



**Faculty:**

**Matti Kiupel  
Fabio del Piero  
Glen Songer  
Roger Maes**



**Gastrointestinal  
Pathology of Horses,  
Cattle, Swine, Dogs,  
and Cats**

*Diagnosis of Viral  
Enteric Disease*



Given in association with the  
**51<sup>st</sup> Annual Meeting of the AAVLD**  
October 24, 2008 - Greensboro, NC

**Tuition: \$125 includes CD of  
presentations, breaks, and 8 hours of  
RACE-accredited CE.**



For more information, visit  
[http://www.cldavis.org/upcoming\\_meetings.html](http://www.cldavis.org/upcoming_meetings.html)  
or email course director Dr. Matti Kiupel at  
[kiupel@depah.msu.edu](mailto:kiupel@depah.msu.edu)

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**Featuring:**

- **Ronald Martens**
- **Fabio Del Piero**
- **Keith Chaffin**
- **Mary Hondalus**
- **Steeve Giguere**
- **Noah Cohen**
- **Nathan Slovis**



*The 2nd Annual Wayne O. Kester Lecture:*  
***Infections caused by Rhodococcus equi***

*A post-meeting Symposium presented by the  
 AAEP, and the C.L. Davis DVM  
 Foundation*



Come join us for an eight-hour seminar following this year's annual AAEP meeting in San Diego, CA, on *Rhodococcus equi* infection, a disease as important to the horse industry today as it was fifty years ago. The day's topics will include the latest information on clinical manifestations, pathogenesis and pathophysiology, diagnostic approaches, epidemiology, genetics, vaccine developments, and treatment as well as existing controversies surrounding this important disease. The workshop will close with a panel discussion with audience participation.

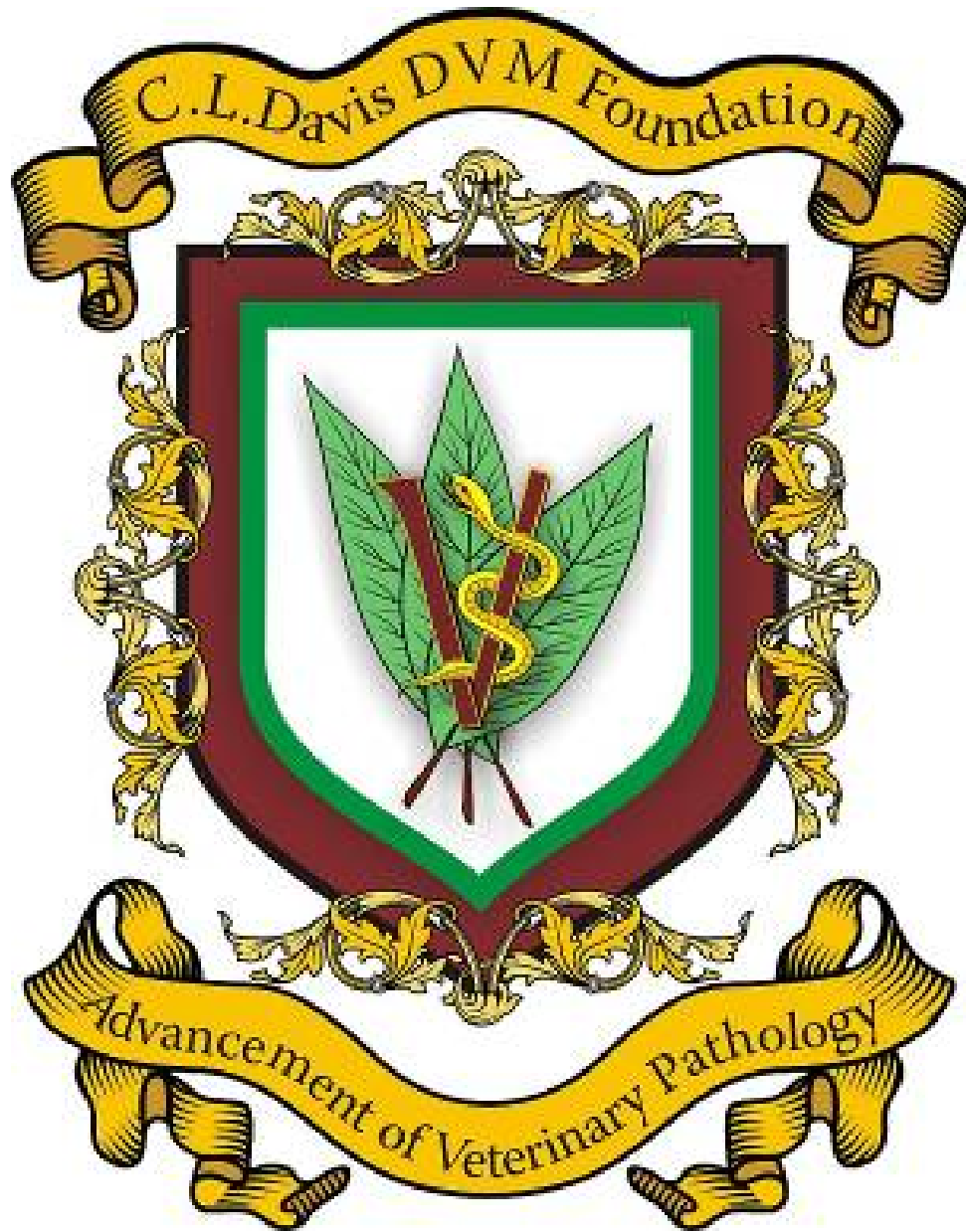
For more info, visit <http://www.aaep.org>  
 or <http://www.cldavis.org>



**8AM-5PM  
 11 December 2008**

**San Diego  
 Convention Center,  
 San Diego CA**  
 (same location as AAEP  
 meeting)

**Program Director:**  
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DATE:	SYMPOSIUM
24 Oct 2008	<a href="#">8<sup>th</sup> Annual CLD/AAVLD Diagnostic Path Symposium – GI Pathology</a>
14 Nov 2008	<a href="#">CLD/ACVP Diagnostic Path Symposium – San Antonio TX – Orthopedic Pathology – 50 Years On</a>
5 Dec 2008	2 <sup>nd</sup> Annual CLD/AAEP Seminar – San Diego, CA - Infections due to <i>Rhodococcus Equi</i>
23-27 Mar 2008	Gross Morbid Anatomy of Domestic Animals – Bethesda Maryland
14-17 May 2009	Workshop on Laboratory Animal Science – Raleigh NC
6-10 Jun 2009	2 <sup>nd</sup> Annual Review of General Pathology – St. Pete’s Beach, Florida