European Division goes Wild in Spain!

Spring in Spain is a wonderful time and it is with this backdrop of the natural world in its full glory that the European Division of the Davis-Thompson DVM Foundation met in the historic city of Lleida in the heart of Catalonia.

Nearly fifty participants from around Europe came to a Workshop on Diseases of Wildlife and Exotic Animals where Profs Patricia Pesavento (UC Davis), Linden Craig (U Tennessee) and Simon Priestnall (Royal Veterinary College) provided some captivating and entertaining lectures. Topics covered included gross pathology of mammals, birds, reptiles and amphibians, emerging viral diseases of wildlife and molecular diagnostics.

Continued on page 2
The venue for the meeting was the new Veterinary Faculty at the University of Lleida which was hosted excellently by Dr Gustavo Ramirez and colleagues. The university campus, located next to the botanical gardens, provided a perfect venue with White storks returning to their nests on the old buildings of the city and migrating Griffon vultures passing overhead en route to the Pyrenees. Five oral abstracts, submitted by participants, were well received and included talks on fruit bats, great-spotted woodpeckers, marine mammals and snakes. During breaks participants enjoyed a slide show of wildlife image by nature photographer Anthony Cooper.

Participants and faculty met for a course dinner at a local restaurant and enjoyed typical tapas and Catalan wine. The city skyline is dominated by the ancient Castell de la Suda fortress and La Seu Vella cathedral perched on a hill over the Segre river and providing dramatic views across to the snow-covered Pyrenees and the surrounding agricultural planes covered in various fruit trees. It was the impressive façade of the cathedral that provided the inspiration for faculty and participants to recreate four of the five ancient pillars of inflammation!

Feedback from the meeting has been very positive and all involved enjoyed themselves thoroughly. This was the first meeting of the European Division in Spain for a few years, but it certainly will not be the last with many asking if this will be an annual Spring event…
Davis-Thompson Foundation Pathology Externship

Since 1980, the Davis-Thompson Foundation lab sites have hosted more than 125 veterinary students at 8 participating diagnostic laboratories. These students usually have a strong interest in pathology itself or zoo or poultry medicine that require a strong pathology background. The Foundation is always interested in having veterinary students apply for an externship and we would like to add more externship sites that do not usually have veterinary students, to help increase their interest and knowledge of pathology with some off-campus experience. For more information, contact Dr. Jim Britt, jobritt@sbcglobal.net; 501-912-1449.

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 bruce.h.williams.dvm@gmail.com.
Diagnostic Exercise
From The Davis-Thompson Foundation*

Case #105: Month: September  Year: 2018

Contributors: Matthew Sheley, DVM Anatomic Pathology Resident III, Kevin Woolard, DVM, PhD, DACVP, School of Veterinary Medicine, University of California, Davis, William R. Pritchard Veterinary Medical Teaching Hospital, Davis, CA.

Clinical History: Eight-year old, intact male dachshund. The patient acutely began seizing and became blind. When presented to the UC Davis Veterinary Medical Teaching Hospital, the patient was obtunded and had absent menace response bilaterally, severe meiosis in the left eye, and minimal pupillary light reflex bilaterally. An MRI revealed a contrast enhancing mass of the left olfactory and frontal lobes with significant secondary edema.

Cytology findings: Left image, aspirate and cytology of a guided brain mass biopsy: Groups of cells with variable amounts of eosinophilic cytoplasm surrounding small vessels “like survivors hanging on to a life raft” (Woolard, PC). Occasional cytoplasmic processes are identified. Right image: Numerous dense aggregates of cells that vaguely palisade.

Follow-up questions: Differential diagnoses and immunohistochemical profile.

Answers and more info 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!
Become a member of the Latin Comparative Pathology Group

LCPG:
- Provides Diagnostic Exercises
- Offers travel awards
- Coordinates externships in US labs for Latin Americans
- Organizes and lectures in Latin American seminars and courses

Learn more at: www.cldavis.org/lcpg_english

LCPG is the proud Latin American Division of the Davis/Thompson Foundation

Contact Francisco.carvallo@gmail.com to join LCPG!

Membership fees:
$50 - Professionals in US, Canada and Europe
$30  - Professionals in Latin America
$25  - Students in US, Canada and Europe
$15  - Students in Latin America
Inaugural Russian Division Veterinary Pathology Conference
10-12 June

Dr. Fabio Del Piero
Louisiana State University
Diseases of the Horse
June 10

Dr. John Cullen
North Carolina State University
Hepatic Diseases in Domestic Species
June 11

Dr. Paul Stromberg
Ohio State University
Diseases of the Dog and Cat
June 12

Venue: Holiday Inn Moskovskie Vorota (Holiday Inn)
St. Petersburg Moskovsky Prospekt 97a

Register at:
British Society of Toxicologic Pathology

Notice of Future Meetings

CES 2: Liver
Tuesday 9th - Thursday 11th July 2019
Department of Pathology, Cambridge, UK
Registration for this symposium will open in spring 2019

This Continuing Education Symposium will provide an intermediate level symposium on the Liver covering both theory and practical classes including INHAND, rodent and non-rodent liver pathology and risk assessment as well as reviewing challenges with current research models. The format will include presentations, case histories and active participation of delegates. The Continuing Education Symposium will be of 3 days duration and the programme will be arranged such that each individual day can be attended as stand-alone CPD if desired. More information here.

CES 3: Carcinogenesis
March 2020 - Department of Pathology, Cambridge, UK
Registration for this symposium will open in December 2019

This Continuing Education Symposium will provide an intermediate level overview on Carcinogenesis and the challenges with current research models. Topics to be covered include (but are not limited to): How to understand the relevance/future of rodent 104 week studies; how to interpret carcinogenicity data in the risk assessment of novel chemicals and pharmaceuticals; familiarisation with the latest molecular techniques used in the research and exploration of carcinogenesis; how to differentiate spontaneous from test article-related lesions and tumours and, follow real-world case studies to refine your skills and knowledge around regulatory authority. The format will include presentations, case histories and active participation of delegates. The Continuing Education Symposium will be of 3 days duration and the programme will be arranged such that each individual day can be attended as stand-alone CPD if desired.

For more information on any of these meetings, keep checking the website - http://www.bstp.org.uk/events or contact the BSTP Secretariat - bstpoffice@aol.com
2019
U.S. Descriptive Veterinary Pathology Course

24 – 28 June
Cummings School of Veterinary Medicine
Tufts University
North Grafton, MA

Lectures, active learning exercises, & mock exams on:
• Gross Pathology
• Microscopic Pathology
• Gross-Micro Correlations
• Ultrastructural Pathology
• Immunohistochemistry

Dr. Jey Koehler
Auburn University

Dr. Patricia Pesavento
University of California Davis

Dr. Linden Craig
University of Tennessee

More information at: http://www.clldavis.org/upcoming.html#227
Course director: Dr. Jey Koehler (jaw0007@auburn.edu)
Register at: www.regonline.com/2019descriptive
2019 European Descriptive Veterinary Pathology Course

8 - 12 July
Állatorvostudományi Egyetem
University of Veterinary Medicine, Budapest
Budapest, István u. 2, 1078 Hungary

Faculty:

Dr. Jey Koehler
Auburn University

Dr. Patricia Pesavento
University of California Davis

Dr. Linden Craig
University of Tennessee

Lectures, active learning exercises, & mock exams on:
- Gross Pathology
- Microscopic Pathology
- Gross-Micro Correlations
- Ultrastructural Pathology
- Immunohistochemistry
- Comprehensive Pathology

More information at: www.cldavis.org/upcoming.html#228

Course director: Dr. Jey Koehler (jaw0007@auburn.edu)

Register at: www.regonline.com/2019EuropeanDescriptive
2019 GROSS PATHOLOGY REVIEW COURSE
University of Florida
July 15-19, 2019

LECTURES ON MACROSCOPIC PATHOLOGY OF:
Swine • Poultry • Reptiles and Amphibians • Mammalian Zoo and Exotic Animals • Dogs • Aquatic Animals • Marine Mammals • Cats • Non-human Primates • Laboratory Animals • Ruminants • Avian Wildlife • Horses

For more information:
http://www.cldavis.org/upcoming.html#232

Register at:

Course director:
Dr. Mike Dark
University of Florida
5º CBPV
Congresso Brasileiro de Patologia Veterinária

XIX ENAPAVE
Encontro Nacional de Patologia Veterinária

2019

De 15 a 18 de julho
Centro de Convenções de Ribeirão Preto, SP

TEAM NACIONAL
Josué Díaz Delgado
Alexandre Krause
Regina Kiomi Takahira
Stella de Faria Valle
Nádia Regina Pereira Almosny
Samantha Ive Miyashiro
Ricardo Duarte Lopes
Fabrizio Grandi

TEAM INTERNACIONAL
Fábio Del Piero
Ryan N. Jennings
Monique S. França

REALIZAÇÃO

Funep

INVESTIMENTO

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<tr>
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For more information: [http://www.cldavis.org/upcoming.html#231](http://www.cldavis.org/upcoming.html#231)
Register at: [https://davisthompsonfoundation.regfox.com/2019-classpola](https://davisthompsonfoundation.regfox.com/2019-classpola)
### CL Davis / SW Thompson Foundation and LCPG Courses in Latin America 2019

<table>
<thead>
<tr>
<th>Country</th>
<th>Course</th>
<th>Date</th>
<th>Venue</th>
<th>Invited speakers</th>
<th>Main topics</th>
<th>Contact</th>
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<tr>
<td>Chile</td>
<td>Joint meeting: 19th Meeting of the Chilean Animal Clinical Pathology Society and 5th Meeting of Veterinary Histopathology</td>
<td>June 28-30</td>
<td>Hotel Manquehue, Puerto Monti (X region, Chile)</td>
<td>Paul Stromberg (University of Ohio, USA); David Bruce Groman (University of Prince Edward Island, Canada); Kirstin Barnhart (Abbvie, USA)</td>
<td>Mammal pathology; Fish pathology; Clinical Pathology; Histopathology cases</td>
<td>Frank Vera. <a href="mailto:frank.vera@uss.cl">frank.vera@uss.cl</a></td>
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<tr>
<td>Chile</td>
<td>Third symposium of veterinary pathology</td>
<td>July 8-9</td>
<td>Universidad Mayor, sede Huachurba, Santiago, Chile</td>
<td>Fabio del Piero (LSU, USA)</td>
<td>Equine respiratory diseases and diseases of the equine nervous system</td>
<td>Carlos Flores <a href="mailto:carlos.florres@umanyc.cl">carlos.florres@umanyc.cl</a></td>
</tr>
<tr>
<td>Paraguay</td>
<td>Symposium of veterinary anatomic pathology</td>
<td>July 11-12</td>
<td>Auditorio de la Dirección General de Extensión Universitaria – Campus Universitario de la UNA – San Lorenzo</td>
<td>Fabio del Piero (LSU, USA)</td>
<td>Infectious diseases of domestic animals (ruminant, horses, dogs and cats)</td>
<td>Shyrley Paola Amarilla <a href="mailto:pamarilla@vet.una.py">pamarilla@vet.una.py</a>; Leila Maidana Moreno <a href="mailto:lmaidana@vet.una.py">lmaidana@vet.una.py</a></td>
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<td>Brazil</td>
<td>14th Brazilian Symposium of the Davis-Thompson Foundation and 5th Congress Brasileiro de Patologia Veterinaria XIX ENAPAVE</td>
<td>July 15-18</td>
<td>Centro de Convenções de Ribeirão Preto, Ribeirão Preto - São Paulo State</td>
<td>Fabio Del Piero (Louiana State University); Josué Diaz Delgad (FMVZ-USP); Monique França (University of Georgia); Ryan Jennings (Ohio State Univeristy); Alexandre Kraus (UFFSP-RJ); Regina Takahira, (UNESP-SP); Stella de Faria Valè, (UFGRS-RG); Nádia Almosny (UFF-RJ); Samantha Ewe Miyahiro (IDEXX); Ricardo Eduardo Lopes (PROVET-SP)</td>
<td>Equine Pathology; Wild Animals Pathology; Ornithopathology; Dermatopathology; Feline Hematology</td>
<td>Gisele Fabrino Machado <a href="mailto:gisele@fava.unesp.br">gisele@fava.unesp.br</a></td>
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<tr>
<td>Peru</td>
<td>&quot;4th Peruvian Seminar of the Davis-Thompson Foundation&quot;,</td>
<td>October 7-8</td>
<td>Facultad de Medicina veterinaria, UNMSM, Lima, Perú</td>
<td>Joaquin Ortega Porcel (CEU, Spain); Other speakers TBD</td>
<td>Dermatopathology – mammary tumors and soft tissue sarcomas</td>
<td>Rosa Ferales <a href="mailto:rperealesc@unmsm.edu.pe">rperealesc@unmsm.edu.pe</a></td>
</tr>
<tr>
<td>Mexico</td>
<td>1st Mexican Seminar of the Davis-Thompson Foundation</td>
<td>October 17-18</td>
<td>UNAM School of Veterinary Medicine and Zootechnics Mexico City</td>
<td>Patricia Pesavento (UC Davis); Francisco A Uzal (UC Davis); Francisco R Carvallo (UC Davis)</td>
<td>Gross and microscopic pathology; Pathology of the gastrointestinal system</td>
<td>Laura Romero Romero <a href="mailto:lvromero@unam.mx">lvromero@unam.mx</a></td>
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<tr>
<td>Colombia</td>
<td>“Seminar of Forensic Veterinary Pathology”</td>
<td>October (dates to be confirmed)</td>
<td>Universidad Nacional de Colombia Sede Bogotá</td>
<td>Virginia Charnay; Wilson Ramirez (UC Davis); Paola Barato (CORPAVET); Other to be confirmed (ACPAVET)</td>
<td>Forensic Necropy; Custody Chain; Environmental crimes; Forensic Photography</td>
<td>Paola Barato <a href="mailto:paola.barato@corpavet.co.html">paola.barato@corpavet.co.html</a></td>
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<tr>
<td>Argentina</td>
<td>XIII Seminar of the Argentinian Subdivision of the Davis-Thompson Foundation and 9th Permanent Forum on Veterinary Pathology Teaching</td>
<td>November 14-16</td>
<td>Bariloche, Río Negro, Argentina</td>
<td>Claudio Barros (Universidade Federal de Mato Grosso do Sul, Brazil); Francisco Uzal (UC Davis); Lorenzo González (Department for Environment, Food and Rural Affairs, UK)</td>
<td>Neuropathology of ruminants; Closiodial diseases in ruminants.</td>
<td>Agustin Martinez <a href="mailto:martinez.agustin@ung.edu.ar">martinez.agustin@ung.edu.ar</a></td>
</tr>
<tr>
<td>Uruguay</td>
<td>5th Uruguayan Seminar of the Davis-Thompson Foundation</td>
<td>December 2-3</td>
<td>Universidad de la República, Facultad de Veterinaria, Montevideo, Uruguay</td>
<td>Francisco Uzal (UC, Davis); Other speakers TBD</td>
<td>Gross and microscopic pathology; Pathology of the gastrointestinal system; Pathology of Wild Animals</td>
<td>José Manuel Verdes <a href="mailto:jverdes@fvet.edu.uy">jverdes@fvet.edu.uy</a></td>
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</table>
Call for Abstracts and Student Travel Awards

Join your colleagues and friends at the STP 38th Annual Symposium to be held at Raleigh Convention Center in Raleigh, North Carolina, June 22-27, 2019. The theme for the 2019 Annual Symposium is "Environmental Toxicologic Pathology and One Health". Visit [www.toxpath.org](http://www.toxpath.org) to review the preliminary information and to complete your registration and hotel reservations early.

**Call for Abstracts**
Abstract Submission Deadline: March 30, 5:00 pm ET
Contents of the poster presentations should pertain in some way to the field of toxicologic pathology but are not limited to "classic" toxicity studies/issues technologies. Naturally occurring toxicities (including poisonous plants), in any species, as well as spontaneous and infectious diseases of species used in toxicity studies, are welcome, as are mechanistic in vitro and molecularly-oriented studies. Studies in alternative species such as fish are also encouraged.

**Available Student/Trainee Awards:**
Abstract and Application Deadline: March 30, 5:00 pm ET
Visit [https://www.toxpath.org/AM2019/awards.asp](https://www.toxpath.org/AM2019/awards.asp) to learn more and apply!

**STP Student Travel Awards**
**STP Young Investigator Awards**
**IATP/STP Food Safety Scientific Award**
**IATP/STP Toxicologic Pathology Trainee Award**
Current Topics in Rodent Pathology

September 29 - October 1, 2019 • Raleigh, North Carolina

Registration now open!

The 2019 RTP Rodent Pathology Symposium will focus on the following areas:

• Natural Diseases of Rodents
• Medical Device Pathology in Rodent Models
• Nanoparticle-related Pathology in Rodent Models
• Toxicology for Pathologists
• Emerging Topics in Clinical Pathology

To register, please visit: https://rtprodentpathology.org/

The program offers 17 hours of Continuing Education credit
II Joint Meeting of the Chilean Society of Animal Clinical Pathology and the Chilean Society of Veterinary Pathology

XX Annual Animal Clinical Pathology Meeting

V Bi-Annual Histopathology Meeting

International speakers:

Dr. Kirstin Barnhart
Covance

Dr. David Bruce Groman
University of Prince Edward Island

Dr. Paul Stromberg
Ohio State University

Hotel Manquehue, Puerto Montt, Chile
29-30 de junio y 1 de julio de 2019

For more information:
Dr. Frank Alexis Vera Otárola - frank.vera@uss.cl
Dr. Ricardo Ildefonso - ricardo.ildefonso@pathovet.cl
CL Davis/SW Thompson Workshop:
Mechanisms of disease and macro-micro correlations

Disturbances of circulation
Inflammation
Cell injury
Necropsy and Necrosis
more

Dr L. Tiffany Lyle
Purdue University

Dr. Corrie Brown
University of Georgia
The European Division of the Davis-Thompson Foundation is excited to announce that editors of Pathology of Zoo and Wildlife Pathology will be our speakers at our 2019 Symposium!

Dr. Karen Terio  
Dr. Judy St Leger  
Dr. Denise McAloose

- Diseases of wildlife and zoo animals  
- Marine mammals  
- Reptiles  
- Amphibians  
- Wild felids  
- Daily gross and histology quizzing

Van der Valk hotel, Arnhem, Netherlands, 24 - 25 Sept 2019
I seminar of the Mexican subdivision, Davis Thompson foundation

Mexico City, October 17-18, 2019

Dr. Patricia Pesavento

Dr. Francisco Uzal

Dr. Francisco Carvallo

- Descriptive pathology
- Gross and histo correlation
- Gastrointestinal Pathology
- Microbial pathogenesis
- Evolving diseases
- Viral discovery and much more!
On 6-7 April, among cherry blossoms and beautiful spring weather, the Northeast Veterinary Pathology Conference returned to the amazing Astra-Zeneca facility in Gaithersburg, Maryland for its annual meeting. This year’s meeting was bigger and better than ever with 25 presenters and a kickoff 3-hours lecture by Dr. Chris Gardiner, renowned veterinary parasitologist.

Dr. Gardiner continues to amaze Foundation audiences with a lecture than closely parallels his book, *Metazoan Parasites in Tissue Section* - a lecture that continues to illustrate that a good HE and the occasional special stain may be more helpful (and certainly less expensive) than more advance molecular techniques. Lunch was provided by Novartis, Inc. and the delicious Mediterranean fare was greatly appreciated by the attendees, most assuming that a free CE course would at best provide a box lunch.

After lunch, the first of 25 presentations by faculty and residents from up and down the middle Atlantic states began, with each presentation being limited to 10 minutes. Parasites were the order of the day on Saturday afternoon, with Dr. Gardiner in attendance to provide helpful advice and praise on outstanding parasite presentations. The presentations continued until 5PM, when the group adjourned to the local Dogfish Alehouse to enjoy the evening weather and forge new friendship over local food and beverage.

The presentations began the next morning at 0900 for non-parasite cases, with an adjournment in the early afternoon, which afforded all the participants to drive home and be ready for work on Monday morning. Non-parasite cases were the order of the day on Sunday. At the end of the meeting, one thing stood out above all others – the outstanding work of the presenters.

The Foundation, as it does every year, wants to thank the staff of the Joint Pathology Center who provide the manpower, IT support, and attend to many of the other details that make this course such a success. Kudos to MAJ Jason Thornton of the JPC who arranged the course and all of its working parts – and seemed to pull it off effortlessly. Thank you to Lily Cheng of Astra Zeneca, who is the best hostess ever!

Thanks again to Astra-Zeneca, Novartis and the Joint Pathology Center and we hope to see everyone in Gaithersburg next year!
19th CL Davis/SW Thompson Diagnostic Pathology Symposium:
Diagnostic Pathology of Lymphoid Organs

October 25, 2019, Friday, 8am-5:45pm
Providence, Rhode Island

Dr. Matti Kiupel
Michigan State University

Register at:
https://davisthomsonfoundation.regfox.com/2019-aavld

For more information:
http://www.cldavis.org/courses/upcoming.html#238

In conjunction with the 62nd Annual AAVLD annual meeting
## CALENDAR OF UPCOMING EVENTS

### June 2019
- 06/24-06/29: 2019 U.S. Descriptive Veterinary Pathology Course
- 06/29-07/1: 2019 Chilean Society of Clinical and Veterinary Pathology – Puerto Mont, Chile

### July 2019
- 07/08-07/12: 2019 European Descriptive Veterinary Pathology Course – Budapest, Hungary
- 07/09-07/11: BSTP Pathology of the Liver, Cambridge, UK
- 07/15-07/19: Gross Path Review Course, University of Florida, FL
- 07/15-07/18: XIX ENAPAVE - 5º Congresso Brasileiro de Pathologia Veterinaria

### August 2019
- 08/03-04, 08/05-09: CLASS/POLA, University of Pennsylvania, PA

### October 2019
- 10/17-10/18: 1st Annual Mexican Division Meeting of the Mexican Division – Mexico City
- 10/25: 19th Annual AAVLD/Davis-Thompson Foundation Diagnostic Pathology

### November 2019
- 11/9: 2019 ACVP/Davis-Thompson Foundation Pre-conference Workshop