FROM THE PRESIDENT
Sanja Modric

Dear colleagues,

Happy Spring to all of you!

Since the last newsletter, we have started a new cycle of the AAVPT Executive Council (EC), and I would like to thank all the people who have played a critical role in our Organization in the past few years:

First and foremost, a big THANK YOU to Dr. Carol Davis, who successfully completed her leadership role as the 2009-2011 president. As we all know very well, Carol’s leadership within the AAVPT spans many more years than the last two when she was the president, and will certainly continue for many more years to come. Carol led the Academy through one of its most dynamic 2-year periods, during which we organized several very successful workshops and symposia. Carol’s dedication to and knowledge of AAVPT is unprecedented, and I am sure that in her new role as immediate past-president and historian, she will continue to help promote the science of veterinary pharmacology, as she has been doing throughout her long and successful career.

Secondly, I would like to thank Dr. Anthony Lucas, who served for the past three years as Secretary-Treasurer. To illustrate Anthony’s workload as the secretary-treasurer, it is enough to say that we recently decided to split this position in two because we realized it was unrealistic for one person to juggle all those responsibilities! During his appointment, Anthony dealt with all workshop/symposia registrations, fielded numerous member questions, worked on various contracts, made sure all the bills were paid, kept the budget on the positive side, started electronic dues/registration payments, and so on. As the new president-elect, Anthony will not be any less busy, as he will lead the program committee and be responsible for developing and executing the 2013 Biennial Symposium and new workshops of interest to our members and our organization.

I would also like to thank the two EC members, Drs. Ralph Claxton and Sherry Cox, who recently completed their three-year appointment on the Council. Both Ralph and Sherry were valuable and active members of the EC, and Ralph also contributed greatly to several program committees. Ralph is also the newly elected Treasurer, and will serve in this role until 2015.

Thank you to all committee chairs and members who worked on various programs and activities inside and outside of AAVPT in the past cycle. I would particularly like to thank Drs. Cory Langston and Cindy Cole. Cory served for four years as chair of the Education Committee. He was an essential academic link for our Organization, providing leverage between the academic, industry and regulatory interests and activities of the Academy. Cindy recently completed her mandate as chair of the Membership and

CONTINUED ON PAGE 2
FROM THE PRESIDENT (CONTINUED)

Bylaws Committee. She led efforts to bring new members to the Academy and to change the bylaws in 2011.

I will miss all of you, and I hope you will all remain active members of the Academy. It has been a great pleasure and privilege working with you, and I am looking forward to continuing our friendships and collaborations in the future.

I would like to thank all the candidates who were part of last year’s elections. Congratulations and a warm welcome to our most recently elected officials: Drs. Anthony Lucas (President-elect), Ralph Claxton (Treasurer), Susan Longhofer (Secretary), Chantal Lainesse (councilor) and Michele Sharkey (councilor). With the exception of Cory and Cindy, all other committee chairs have graciously accepted to continue in their roles. Dr. Jonathan Hare just started his new role as the Membership and Bylaws Committee chair - welcome aboard, Jonathan! Dr. Virginia Fajt agreed to serve as the new chair of the Education Committee. Virginia has been essential in promoting new methods and approaches in teaching pharmacology to veterinary students, and we are very happy to have her continue working on that path. Virginia is also the chair of the Organizing Committee for the Teaching Workshop that will be held at Texas A&M on June 11-12, 2012. I hope that many of our academic colleagues will take this great opportunity to discuss the curricula and methods of teaching pharmacology to veterinary students.

And now to what we have accomplished since last spring. Of course, our main activity and focus was on the 2011 Symposium, which was held in Madison, WI, on the beautiful campus of the University of Wisconsin on May 22-26. Although we were initially concerned about budget and attendance, at the end over 100 people attended the symposium. In our program selection, we introduced several new symposium topics, such as aquaculture drug approvals, large molecule pharmacology and CYP 450s in veterinary medicine. Other excellent sessions included a discussion on how to improve the pharmacology curriculum at veterinary colleges and an introduction to pharmacovigilance in veterinary medicine. The poster session was very well attended and included over 20 excellent research summaries. We had a great field trip to a local fish farm followed by a fish-and-chips dinner, both of which were among the favorite activities at the symposium. At our Awards Ceremony, we recognized several of our colleagues for their significant contributions to AAVPT and veterinary pharmacology. Congratulations to a very distinguished group of award recipients!!!

Dr. Jim Riviere, 2011 Lloyd E. Davis Award Winner
Dr. Marilyn Martinez, 2011 Service Award Winner
Dr. Virginia Fajt, 2011 Teaching Award Winner
Dr. Carlos Lanusse, 2011 Research Award Winner

In addition, congratulations to Dr. Satyanarayana Achanta, the 2011 Student Poster Award Winner. We’re always happy to see successful graduate students/residents come and share with us their research and new ideas.

We received very positive feedback on the symposium with some constructive ideas and suggestions for future meetings. Feedback responders indicated that they liked the choice and quality of topics and presentations, especially the CYP 450s and aquaculture sessions. Several people were complimentary of our choice of location, particularly that it was held in a university setting. As we often see, panel discussions, Q&A periods and networking benefits were highlighted as exceptionally valuable components of attending the Symposium. Thank you to all attendees, who always make the work that goes into organizing such a big meeting a worthwhile effort. A big “Thank you” goes to all the presenters who shared with us their insights and expertise in various aspects of veterinary pharmacology. The most heartfelt “Thanks” goes to the Organizing Committee: Anthony Lucas, Carol Davis, Dawn Boothe, John Burka, Katrina Mealey, Lesley Rausch-Derra, Michele Sharkey and Ralph Claxton. Thank you all for your hard work, countless hours that you put into organizing this meeting, and for the camaraderie and fun that we all shared. Of course, it was scary at times, and we were not sure how it would all turn out. Even as a series of Midwestern storms threatened a successful meeting completion, it all turned out fine. Since then, we have already started planning our next big meeting, the 2013 Biennial Symposium (with Anthony chairing the Organizing Committee).

AAVPT has recently become more involved with the activities of US Pharmacopeia (USP). We are co-sponsoring with USP an important workshop on solubility criteria for veterinary drugs, which will be held on November 7-8, 2012 in Rockville, MD. It will be a critically important meeting for everybody involved with generic drug development and biowavers, and I encourage all of you to attend.

Please let us know if you have any ideas for future meetings or workshops, or if you want to become more actively involved in the Academy. We always welcome new people and new ideas to make the Academy stronger! I would like to invite and encourage each one of you to volunteer on one of the committees that we have (for more information, go to www.aavpt.org). By serving on a committee, you will learn a lot about the Academy, actively support it AND have a lot of fun in the process.
AAVPT Presents its First Ever Pharmacology Teaching Workshop for Veterinary Medical Education

If you would like to:

- Protect Pharmacology in the Curriculum
- Develop Day One Pharmacology Competencies for Veterinarians
- Develop Assessment Measures
- Interact with Others Committed to Quality Education
- Design Successful Learning Experiences
- Learn about Successful Instructional Tools

Then this Workshop is for YOU!

1 ½ Day Event
June 11-12, 2012
College Station, TX
$100 early registration
$120 after May 18
Breakfast and Lunch provided both days
Poster Session with Social and Dinner on June 11

Day 1
Lectures & Workshops on learning outcomes and assessing learning

Day 2
Lectures & Workshops on designing learning experiences

Travel:
Continental/United (via Houston (IAH), TX) & American Airlines (via Dallas-Fort Worth (DFW), TX) provide service to College Station (CLL), TX.
College Station is within driving distance of Houston (2 hrs), Austin (2 hrs) & Dallas (3 hrs).

Registration information: http://vetmed.tamu.edu/ce/events/cedetails?id=2356 and at AAVPT.org
Hotel information: Econo Lodge (901 University Dr. East College Station, TX --(979) 260-9150; reservation code: AAVPT. Please book by May 25, 2012.
FROM THE PRESIDENT-ELECT

Anthony Lucas

The main task of the president-elect is to lead the organization of the next biennial symposia, and I am excited to publicize that organization of the 2013 Biennial symposium is well under way.

Every 4 years we hold the Biennial symposium in Washington, DC so that more of our colleagues at FDA-CVM can attend. Consistent with this, we are planning to hold the symposia at the Bolger Center May 19-22, 2013. Please hold the dates.

We have chosen the Bolger Center because it is relatively close to CVM, is very reasonably priced and can meet our meeting room, hotel and meal needs. We have held two workshops at the Bolger Center over the past few years, one for the bioequivalence workshop and one for the veterinary drug regulatory life cycle course. Feedback on the facility for both events was very positive although some people mentioned that the basic rooms were too small and recommended upgrading to the medium or larger room.

The organizing committee has received a wide range of ideas for the theme of the symposium. The current leading theme is latest advances in PK/PD. Following the positive feedback on the CYP enzyme session at the last biennial symposia, we are exploring topics such as incorporating transporters and metabolizing enzymes into pharmacokinetic models, latest advances in PK/PD on the human side, FDA-CVM experts on PK/PD, etc. The topics are definitely looking to be of interest to all our members in industry, academia, regulatory and teaching.

At the symposium we will have the usual student posters and awards. For this symposium, we are also trying to make time in the program for selected student oral presentations. There will be an awards banquet and we are trying really hard this time to make sure there is enough time in the program for everyone to catch up. We always get feedback that members attend the Biennial symposium because it is the only event in the year that all their colleagues attend, but then the organizing committee puts so much into the program and there is not enough social time. Hopefully this time we will get the balance right.

The organizing committee currently consists of Sanja Modric, Chantal Lainesse, Ronette Gehring, Michele Sharkey, Ralph Claxton, Virginia Fajt and Lesley Raush-Derra. It takes a huge amount of effort to run a Biennial symposium with over 100 attendees, and I would like to thank each of these people for their work so far and in advance of the hard work ahead. We are excited by the program and look forward to seeing you there.

Looking forward to seeing you all May 19-22, 2013.

Announcing the 2013 AAVPT Biennial Symposium

May 19-22, 2013

Bolger Center
9600 Newbridge Drive, Potomac, MD

Exciting scientific program
Catch up with your colleagues
Student presentations
Great food and facilities

Plan on being there!
**FROM THE SECRETARY**

*Susan Longhofer*

The old list serve that has graciously been provided by Texas A&M for many years is no longer available. The server that was the residence of the list serve has died of old age. Please remove the old list serve from your ‘Contacts’.

We have set up a new list serve via Google Groups and have been attempting to get everyone onto Google Groups. We have 141 active members on the list serve. Despite sending invitations out several times, we still have 89 people who have not accepted the invitation. In some cases, the individuals have never received the invitation, and even checking junk mail folders and asking their network administrator to check in the SPAM folder for an email from noreply@goglegroups.com, they still can’t find the invite. A personal email will usually go through with no issue, so these individuals may want to send another email to address me at aavptsec@gmail.com.

You do not need to log into Google Groups (another issue that we are having a difficult time resolving) to send an email to the list serve; just use the following address in the “To” section of your email: aavpt_listserv@goglegroups.com

PLEASE NOTE: You have to be a member of Google Groups to send an email to the list serve.

The only advantage to being able to log into Google Groups is the opportunity to review old emails sent to the list serve.

As Ralph Claxton has reported, we are moving to Affiniscape for our membership database and online dues collection. Our goal is to go ‘live’ with the new website by the end of May. We’ll be sending out a notice via the list serve, but also via snail mail. Please update your contact information and catch up on dues for 2012 (and for dues in arrears if you’ve been a bit tardy about paying).

The Annual AAVPT Business Meeting will be held via WEBINAR on May 16. To register for the webinar go to: https://www2.gotomeeting.com/register/511523634.

In March 2012, we welcomed Sidonie Lavergne as a new Fellow to the Academy.

**FROM THE TREASURER**

*Ralph Claxton*

The Finance Committee has been reactivated to help bridge communications and maintain transparency across the Executive Council, Comptroller and Treasurer functions. Thanks to Jay Donecker in his new role as chair.

A main goal for closing this fiscal year is to finalize and activate our new AAVPT website. Thanks to Virginia Fait for continuing her role in this website transition. We will soon have a new website data capture process for managing dues and new membership payments, as well as, event registration payments with itemized, comprehensive transaction tracking. This will help streamline our accounting as well as enhance our overall information management capability.

Another major objective in this transition is to create a system for efficient, real time reconciliation of financial transactions that are logged on the new website against our checking account ledger. The overall goal is to continue to move from paper to electronic records without sacrificing transaction detail and attributability.

Thanks to everyone for your patience and support as we continue to bring these new systems online.
AAVPT FINANCE COMMITTEE REPORT

Jay Donecker
March 23, 2012 meeting

Membership of the committee:
Ralph Claxton (treasurer, ex officio), Anthony Lucas (president-elect, ex officio), Dan Gingerich (manager of the investments), Betsy Delomba, Carol Davis, Jay Donecker (chair)

Committee charge
The committee is responsible for monitoring the investments of the Academy and advising the EC on short term and long term strategies on use of or disposition of those investments.

Annual report submitted at annual meeting to EC
• Lloyd E. Davis fund provide funds for Lloyd E. Davis award.
• Tom E. Powers fund provides funds for AAVPT awards.
• General fund provides funds to VPRF and receives non-designated funds.

Report movement of funds to EC at subsequent meeting
• Ralph Claxton oversees checking and credit card accounts in which funds can be transferred into and out of investments
• Finance committee chair is willing to review with treasurer the activity of the checking account annually to serve as an internal audit and report to the EC.

Submit IRS form annually in regards to investments

Action items
• Anthony Lucas to determine amount to be transferred from Lloyd E. Davis fund to general fund.
• Need policy for closing books at the end of a treasurer’s tenure

COMPTROLLER

Dan Gingerich

AAVPT remains financially sound thanks largely to gains due to outstanding participation in our various workshops and meetings over the last couple of years. As you know, AAVPT pledges 10% of our investment assets each year to the Veterinary Pharmacology Research Foundation (VPRF). As of today AAVPT investment assets total $207,989, which means that this year’s pledge to the Research Foundation will be just over $20K, enough to fund another research grant.

VPRF has already funded several pharmacology research projects and is in the selection process for another grant. Thanks to AAVPT and other donor support, VPRF assets presently total $63,857, which means we can now fund larger projects or perhaps more than one project per year.

Please note that our agreement is that each year AAVPT membership will vote at the annual meeting on whether or not to renew the pledge to VPRF.

As you know, AAVPT pledges 10% of our investment assets each year to the Veterinary Pharmacology Research Foundation.

JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS (JVPT)

Jim Riviere, Editor

JVPT has had a busy year and continues to grow by all metrics measured. At the end of 2011, we processed an all time high of 254 submissions resulting in 95 manuscripts published in Volume 34 of the journal. Based on the latest ISI Journal Citation analysis, JVPT’s impact factor increased to an all time high of 1.675 ranking it at 22 of 145 veterinary journals (top 15th percentile).

At the present time, we have a backlog of some 81 accepted manuscripts, which equates to just over five issues. This is down one full issue from a year ago. A good development is that these articles now go on-line much more rapidly than in the past. My co-editor Dr. Johanna Fink-Gremmels and I have been diligently working to cut this backlog by a number of means; including rejecting more papers of lower quality, not reviewing papers clearly outside of our journal’s interest area, and asking authors to be succinct. For the past year we have triaged papers and returned those with lower priority scores to the authors. We fully realize this is a subjective process, but we must work to protect the time our voluntary reviewers donate to the journal’s cause. In many cases this is simply asking the authors to resubmit as a Short Communication, an occurrence that is often seen with studies describing what is a simple descriptive pharmacokinetic experiment (single dose, route, species, etc). These data are
At the present time, we have a backlog of some 81 accepted manuscripts, which equates to just over five issues. This is down one full issue from a year ago.

important to publish but can be presented in a concise format. Over the past year, we also published an on-line supplement, the Bioequivalence Theme issue (Vol. 35, Suppl. 1) based on the AAVPT/EAVPT/ECVPT jointly sponsored 2010 Bioequivalence Workshop. We are presently finishing off an industry-sponsored supplemental issue related to the development and release of a novel transdermal fentanyl dosage form. We also published two reviews and one meeting report this year. Articles in supplements and reviews undergo full external peer review. Please contact our review editor Dr. Mark Papich (Mark_Papich@ncsu.edu) should you be interested in submitting a review contribution.

Finally, I would like to announce that after over three decades at North Carolina State University, I will be moving to accept the McDonalds Chair in Veterinary Medicine at Kansas State University in Manhattan, Kansas. This will also give me the exciting opportunity to start the Institute of Computational Comparative Medicine at KSU. My duties as Editor of JVPT should go on pretty much uninterrupted except for some delays when I am physically moving in late summer. Thanks again for giving me this opportunity to serve our society in this manner.

JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS (CONTINUED)

VETERINARY PHARMACOLOGY RESEARCH FOUNDATION (VPRF)

Jane Owens

The ACVIM Foundation (ACVIM) and the Veterinary Pharmacology Research Foundation (VPRF) have partnered for a third time to grant up to $18,000 for proposals that focus on research to evaluate the safety and effectiveness of therapies for veterinary species, explore new drug therapies for animals, develop and validate models of animal diseases or conditions, or ensure that a safe food supply is not compromised by drug therapy. The deadline for proposal submission was April 20, 2012 with winners announced later in the year. An additional grant is expected in 2013.

Any clinician or scientist with an interest in veterinary pharmacology is eligible to serve as Principal Investigator on projects funded by ACVIMF and VPRF. Collaborations between pharmacologists and Diplomates of the ACVIM are strongly encouraged. To be considered, grant proposals must follow the Guidelines for Grant Proposal Submission: ACVIM Foundation / Veterinary Pharmacology Research Foundation Clinical Investigation Grants.

Proposals will be reviewed by the ACVIM Foundation Scientific Review Committee and ad hoc reviewers who are experts in the field of individual proposals. This program is intended to encourage studies with direct clinical application. Specific criteria used in consideration of proposals will include: potential of the study to enhance the diagnosis, treatment, and/or prevention of disease in animals; relevance of the proposal to existing scientific knowledge; feasibility of the study, including likelihood of success in achieving study aims and appropriateness of the study design; qualifications of the investigators, including adequacy of facilities, training record, productivity and other available resources.

The Guidelines for Grant Proposal Submission, as well as further information about the ACVIM Foundation Grants Program, may be obtained at the ACVIM Foundation’s website, www.ACVIMFoundation.org. For more information, contact the ACVIM Foundation’s Donor Services Associate at Juliebeth@ACVIM.org.

VPRF was formed in 2008 by members of the American Academy of Veterinary Pharmacology and Therapeutics (AAVPT) and the American College of Veterinary Clinical Pharmacology (ACVCP) who recognized that the lack of research funding was limiting growth in the field of veterinary pharmacology. This grant was made possible by generous donations from AAVPT, Pfizer Animal Health, Torpac,Inc, Pennfield Animal Health, Nexcyon Pharmaceuticals and many members of AAVPT and ACVCP. The partnership between VPRF and ACVIMF builds on a long standing relationship between veterinary pharmacologists and internists which promotes scientifically sound and humane research on drug therapy for animal diseases and training of future scientists.

Established in 2000, the American College of Veterinary Internal Medicine (ACIM) Foundation is a non-profit organization whose
VETERINARY PHARMACOLOGY RESEARCH FOUNDATION (CONTINUED)

main purpose is to fund studies that lead to new diagnostic, treatment and prevention techniques, to support the education of new specialists, and to increase public awareness of veterinary specialty medicine. Since 2002, the ACVIM Foundation has awarded over $1 million to fund 63 studies and 3 Fellowships.

VPRF Donations may be sent to VPRF Secretary / Treasurer: Dr. Dan Gingerich, 2219 Wilmington Road, Lebanon OH 45036.

CHANGES TO CONSTITUTION AND BYLAW CHANGES APPROVED

Carol A. Davis

The proposed changes to the constitution and bylaws which were on the 2011 ballot were approved by the voters. The changes included: splitting the secretary-treasurer position into secretary and treasurer offices, changing the term of office for the secretary and treasurer from 2 years to 4 years, reducing the EC to nine members, increasing the term of office of councilor from 3 years to 4 years and changing the election cycle from every year to every two years. These changes have been incorporated into our constitution and bylaws which is available at http://aavpt.org/conbylaws.shtml. We thank everyone for their support of these changes.
ACVCP/AAVPT LIAISON REPORT

Jane Owens

AVPT and ACVCP are again sponsoring a full day of continuing education at the American College of Veterinary Internal Medicine (ACVIM) Forum which will be held in New Orleans, LA on Thursday, May 31, 2012.

The focus of this year’s session is antimicrobial therapy in companion animals and immune-modulation. AVPT and ACVCP will also sponsor a Resident/Graduate Student Pharmacology Research Award at the ACVIM meeting. The purpose of the Resident/Graduate Student Pharmacology Research Award is to recognize research excellence in clinical and/or basic pharmacology for residents and graduate students. A winning poster research presentation will be identified during the ACVCP Annual Meeting. To be eligible for the Resident/Graduate Student Pharmacology Research Award, candidates must have completed their research under one of the following conditions: 1) while in training for qualification to sit the ACVCP exam; 2) as a resident/graduate student while being mentored by an ACVCP diplomate; or 3) as student member of AAVPT while in a graduate program under the guidance of an AAVPT Fellow. The award will be in the amount of $1,000 and is accompanied by a certificate signed by the officers of the ACVCP and AAVPT. Awards will be presented at the joint ACVCP/AAVPT reception to be held on Thursday, May 31st from 6:00-8:00 PM at the Hilton New Orleans.

COUNCIL ON BIOLOGIC AND THERAPEUTIC AGENTS (COBTA)

Jane Owens

The Council on Biologic and Therapeutic Agents of the American Veterinary Medical Association consists of twelve AVMA members elected by the House of Delegates for terms of six years. Members represent the following areas of veterinary medical activity: microbiology, immunology, pharmacology, clinical pharmacology, private clinical practice (predominantly small animal), private clinical practice (predominantly food animal), private clinical practice (predominantly equine), epidemiology, and industry.

Typically, the pharmacology representative is recommended by the AAVPT and nominated by an AVMA Delegate. The clinical pharmacology representative is nominated by ACVCP.

The Council advises the AVMA Executive Board in the promotion of interest in the efficacy and proper use of biologic and therapeutic units in the practice of veterinary medicine; serves as an informational and advisory resource for the various agents of the Association on issues pertaining to biologic and therapeutic agents; advises the Executive Board in formulating positions concerning proposed or existing rules, regulations, and legislation; maintains awareness of activities and proposed actions by divisions of state and national governments concerned with veterinary biologic and therapeutic agents and advises the advertising manager of the journals as to the acceptability of advertising pertaining to biologic and therapeutic agents.

The Clinical Practitioners Advisory Committee also meets during the COBTA sessions. They serve as an advisory committee to the Council and insure wide species-based, veterinary practitioner input on issues of biologic and therapeutic agents, including but not limited to, drug availability, distribution, use and residue control, and on quality assurance for products of food animal origin. This committee consists of members who are representatives from the Council on Biologic and Therapeutic Agents, the American Animal Hospital Association, the American Association of Avian Pathologists, the American Association of Bovine Practitioners, the American Association of Equine Practitioners, the American Association of Small Ruminant Practitioners, the American Association of Swine Veterinarians, the American Association of Feline Practitioners, aquaculture and seafood medicine, and zoo and wildlife medicine.

During the February meeting, updates were presented by representatives from FDA CVM, USDA (APHIS, VS, CVB), USP and AHL. COBTA and CPAC members were encouraged to provide comments to the issuance of FDA’s final rule on extra-label drug use of cephalosporins in food animals. Updates from USP included a report from Dr. Donald Sawyer who serves as AVMA’s representative to the 2010-2015 USP Council of Convention (former COBTA member, representing pharmacology). Dr. Sawyer was also nominated by the AVMA to serve on the Veterinary Medicine Advisory Committee (VMAC) pharmacology position. The Council reviewed several drug and vaccine related draft policies and made recommendations on those policies to the AVMA Executive Board and other AVMA councils.
AWARDS COMMITTEE REPORT

Lesley Rausch-Derra

Thanks to the many quality nominations, all AAVPT awards were given at the 2011 Biennial symposium held in Madison, Wisconsin. The 2011 Lloyd E. Davis award recipient was Jim Riviere. The 2011 Research Award winner was Carlos Lanusse. Marilyn Martinez was awarded the 2011 Service Award, and Virginia Fajt was awarded the 2011 Teaching award.

There were four contenders for the ACVCP/AAVPT Graduate Student/Resident Award. The winner was Satyanarayana Achanta (below with Carol Davis) of Oklahoma State University for his poster Determination of intrinsic clearance of vinblastine in dogs.

EDUCATION COMMITTEE REPORT

Virginia Fajt

Plans continue for the Pharmacology Teaching Workshop being held June 11-12, 2012, in College Station, TX. You can follow developments on the AAVPT website at: http://aavpt.org/2012_Pharmacology_Teaching_Workshop.shtml or follow @ VirginiaFajt on Twitter.

Hotel and travel information is available on the AAVPT website, and you can register at:

http://vetmed.tamu.edu/ce/events/cedetails?id=2356. Early registration is $100, which includes breakfast and lunch on both days and an evening social event on the first night of the meeting—you can’t afford to stay home for that price! The price will go up on May 18, so PLEASE REGISTER NOW. We would like to get an idea of how many people are coming, so even if you aren’t sure if you’ll be attending, please send an email to vfajt@cvm.tamu.edu with a “maybe.”

The workshop will start at 8:00 AM on Monday, June 11, and will be over at noon on Tuesday, June 12. The majority of the agenda will be devoted to workshops and breakout sessions on developing learning outcomes, methods of assessing learning, and designing learning experiences for veterinary students. At this workshop, we hope to draft the Day One Competencies for veterinarians related to drug decision-making, and we hope to share with each other successful teaching materials and experiences. In the next few weeks, we will be unveiling a teaching and learning portal, thanks to the people at Texas A&M University’s Center for Teaching Excellence, where we can share our teaching materials and resources, so please contact me if you have something you would like to share. We will also be working on ways to make at least some of the workshop accessible to those unable to attend, so please check periodically on the AAVPT website and the AAVPT listserv on ways to be involved.

To make this a successful workshop, we need participation from all the colleges of veterinary medicine in North America and from around the world.

Thanks go to the planning committee, including Sarah Wagner, Paul Mills, Sanja Modric, Maya Scott, Carol Davis, Anthony Lucas, and Virginia Fajt (Program Chair, Pharmacology Teaching Workshop).

Make your plans to be in College Station in June!

From top: Marilyn Martinez, Carlos Lanusse, Virginia Fajt and Jim Riviere each with Carol Davis.
The 2011 Service Award Winner

Dr. Marilyn Martinez

The Service Award is presented to recognize significant service to the fields of veterinary or comparative pharmacology or therapeutics. The 2011 Service Award recipient is Dr. Marilyn Martinez, a Senior Biomedical Research Scientist for the Food and Drug Administration (FDA), where she serves as the Lead Scientific Expert for Pharmacokinetics (PK). In this role, Dr. Martinez has promoted and increased the importance of pharmacology in animal drug development. She co-chaired the 2010 AAVPT Bioequivalence Workshop and presented a 2.5-hour pre-workshop webinar on bioequivalence. She currently chairs the taskforce developing an internationally accepted (VICH) bioequivalence guideline.

The 2011 Teaching Award Winner

Dr. Virginia Fait

The Teaching Award is presented to recognize significant teaching activities in the fields of veterinary or comparative pharmacology or therapeutics. The 2011 Teaching Award recipient is Dr. Virginia Fait, a Clinical Assistant Professor at the College of Veterinary Medicine and Biomedical Sciences, Texas A&M University. Dr. Fait is a very active pharmacology educator, who has coordinated various food animal, pharmacology, and evidence-based medicine courses at Texas A&M and at Colorado State University, Pueblo. She has also chaired education sessions on improving veterinary pharmacology education in veterinary schools for several past symposia.

The 2011 Research Award Winner

Dr. Carlos Lanusse

The Research Award is presented to recognize significant research contributions to the fields of veterinary or comparative pharmacology or therapeutics. The 2011 Research Award winner is Dr. Carlos Lanusse, a full professor of veterinary pharmacology at the Universidad Nacional del Centro in Tandil, Argentina and Scientific Director of the research program on “Pharmacology of antiparasitic drugs in ruminants.” Dr. Lanusse has a large body of work in the pharmacology of antiparasitic drugs, where he is considered an expert in the field. The quality of his research can also be judged by some 160 manuscripts which have attained an H-Index of 24, indicating that his work is widely read and cited.
The “Lloyd E. Davis Award” is presented for significant contributions over an entire career to the advancement and extension of knowledge in the fields of veterinary or comparative pharmacology. The AAVPT is honored to present the 2011 Loyd E. Davis Award to Dr. Jim E. Riviere.

Dr. Riviere received his BS in biology (summa cum laude) and an MS in endocrinology (with distinction) from Boston College. He received his DVM degree and PhD in pharmacology as well as a DSc (hon) from Purdue University. He is an elected member of the Institute of Medicine of the National Academies, serves on its Food and Nutrition Board, and is a fellow of the Academy of Toxicological Sciences. He is a member of Phi Beta Kappa, Phi Zeta and Sigma Xi, and has served on the Science Board of the Food and Drug Administration. His honors include the 1999 O. Max Gardner Award from the Consolidated University of North Carolina, the 1991 Ebert Prize from the American Pharmaceutical Association, the Harvey W. Wiley Medal and FDA Commissioner’s Special Citation, and the Lifetime Achievement Award from the European Association of Veterinary Pharmacology and Toxicology.

He has published over 430 full-length research papers and chapters, holds 5 U.S. Patents, has authored/edited 10 books in pharmacokinetics, toxicology and food safety, and received over 16 million dollars as principal investigator on extramural research grants. His current research interests relate to the development of animal models; applying biomathematics to problems in toxicology, including the risk assessment of chemical mixtures, pharmacokinetics, nanomaterials, absorption of drugs and chemicals across skin; and the food safety and pharmacokinetics of tissue residues in food producing animals. He has also contributed significantly to the next generation of veterinary pharmacologists and toxicologists as he has been the major advisor to over 25 graduate students and post-doctoral fellows.

Dr. Riviere is a leader in the field. He is the Burroughs Wellcome Fund Distinguished Professor of Pharmacology; and Director, Center for Chemical Toxicology Research and Pharmacokinetics, College of Veterinary Medicine; North Carolina State University (NCSU) in Raleigh NC. He is also the Editor of the Journal of Veterinary Pharmacology and Therapeutics, co-founder and co-director of the USDA Food Animal Residue Avoidance Databank (FARAD) program, and was formerly the Director of the Biomathematics Program in the College of Physical and Mathematical Sciences at NCSU. He has served as an officer in various Specialty Sections of the Society of Toxicology, and has served on the Editorial Boards of various toxicology, pharmacology and veterinary journals.
The Clinical Laboratory Standards Institute (CLSI) winter meeting of the Veterinary Antimicrobial Susceptibility Testing (VAST) subcommittee was held January 25-26, 2012 in Phoenix, Arizona.

The VAST introduced its new members for the upcoming cycle. They are Mike Apley, Shabbir Simjee, John Turnidge, Maria Traczewski, Markus Rose, and Cindy Knapp. Mark Papich is the new chairholder for the committee and Shabbir Simjee is the new vice-chair. You will recognize some of these individuals as AAVPT Fellows. The committee also includes Virginia Fajt, who is also an AAVPT Fellow. In addition, several of our AAVPT Fellows, including Marilyn Martinez and Rob Hunter, play an important advisory role for the VAST subcommittee.

In 2012 the VAST Subcommittee will publish the newest edition of M31. This edition is the 4th edition (M31-A4) and contains the most extensive changes compared to any previous versions. Table 2, for the first time, will be split into Table 1A and Table 1B, which separates the animal-specific interpretive criteria (IC) from the human standards. Several new drugs have been added, and breakpoints are now established by the VAST for many older drugs for which interpretive criteria did not previously exist for current indications and dosages. These drugs include penicillin G (cattle, and horses), ceftazolin (horses, and dogs), amoxicillin-clavulanate (dogs and cats), enrofloxacin (pigs), cephalothin/cephalexin (dogs), ampicillin (dogs, horses, and pigs), and tetracycline/oxtetracycline (cattle). Additions to Table 1 (recommendations for testing) have been changed to reflect this new information. Quality Control (QC) data (but no breakpoints) have been added for new drugs such as pradofloxacin, cefquinome, cefovecin, and gamithromycin. In addition, new guidelines for reporting resistant isolates of Staphylococcus pseudintermedius have been added to reflect the differences that should be considered when performing susceptibility testing of that species compared to Staph. aureus.

The upcoming schedule for the CLSI-VAST will be busy as the committee expands the list of animal-specific interpretive criteria for new and old drugs. In addition, two new initiatives have been started. The first is the start of a new document, M56, which is modeled after the human standard counterpart M45. The title of the new document explains its purpose: “Methods for Antimicrobial Dilution and Disk Susceptibility Testing of Infrequently Isolated or Fastidious Bacteria Isolated from Animals and Interpretive Criteria and/or Epidemiological Cutoff Values; Approved Guideline”. The new working group has already begun their work and is aiming for a publication date of October 2014.

The second new proposal is an X08 document that will generate Epidemiological Cut-off Values (ECVs) for veterinary antibiotics and pathogens. This group is just beginning its work and will generate data that will be valuable to clinical laboratories and investigators performing surveys of susceptibility trends for veterinary antibiotics. A special workshop on ECVs will follow our next winter meeting on January 12, 2013.

If anyone is interested in CLSI activities, go to their web site at: www.clsi.org, where documents and meeting schedules are listed. All the meeting presentations can be found at that site. Specific questions can be directed to the VAST chairholder: mark_papich@ncsu.edu
CODEX COMMITTEE ON RESIDUES OF VETERINARY DRUGS (CCRVDF)

Ron Baynes

Codex Alimentarius operates within the FAO and WHO to establish International food standards that protect the health of consumers and ensures fair practices in trade. Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF) determines priorities for the consideration of residues of veterinary drugs in foods and recommends maximum residue levels (MRLs) for veterinary drugs. The Committee also develops codes of practice, as may be required, and considers methods of sampling and analysis for the determination of veterinary drug residues in food. AAVPT is currently part of the US delegation to CCRVDF.

The US delegation meeting on April 18, 2012 at FDA/CVM was chaired by Dr. Kevin Greenlees with various US stakeholders in attendance in person or via conference call. The major issue the delegation wanted to address was the Risk Management recommendations for the veterinary drugs for which no acceptable daily intake (ADI) and/or MRL has been recommended by the Joint (FAO/WHO) Expert Committee on Food Additives (JECFA) due to specific human health concerns. These veterinary drugs include: carbadox, chloramphenicol, chlorpromazine, malachite green, nitrofurans, nitroimidazoles, olaquindox, and stilbenes. The audience was reminded that Codex's role is in risk management and that JECFA's role is risk assessment. The electronic working group within Codex that was set up to look at this issue gave alternative risk management recommendations for CCRVDF to consider, namely, Option A (EU) and Option B (US). The US has very little international support for Option B and in the interim the US delegation has arrived at an Option C which is still being worked on based on feedback from this meeting and public meeting before the Puerto Rico meeting on May 7-11, 2012. Documents related to the 20th Session of the CCRVDF will be accessible via: http://www.codexalimentarius.org/. The main concern the US delegation has with Option A is that it too closely resembles the precautionary principle and that Codex could be overstepping its international role by setting national practices in other jurisdictions. There were some concerns that if the language is not handled appropriately that Codex recommendations could lead to national bans or lists of banned drugs with unforeseen consequences in trade, etc.

The US delegation is working hard to arrive at the appropriate language that will gain a greater consensus on risk management recommendations for these drugs with no MRLs or ADIs. The US delegation also discussed other issues such as Revision of Risk Analysis Principles as applied by CCRVDF, establishment of MRLs for honey, and finally, extrapolation of MRLs to additional species and tissues.

USP ACTIVITIES

Mark Papich

Veterinary drugs are included in the SM3 (Small Molecules 3) Expert Committee. This committee meets once a year at a face-to-face meeting, and accomplishes the rest of the committee business and voting on monographs via email and teleconferences. The last meeting was scheduled for April 23. Because veterinary drugs are now in a much larger group of small molecules, veterinary-related issues do not come up as often as in the past. Since the start of the new cycle, we have not reviewed any new veterinary drug monographs. Perhaps the most significant activity was the establishment of a new USP Veterinary Expert Panel on drug solubility. The panel prepared a Stimuli Article to be published in Pharmacopeial Forum (PF).

On November 7-8, 2012, there is a workshop planned: “Workshop on Solubility Criteria for Veterinary Products,” which is co-sponsored by AAVPT. There will be announcements and invitations going out sometime soon. Goals of the workshop will be to establish solubility criteria for veterinary drugs that can be used to classify drugs as “fully soluble” oral medications. The focus for this workshop will be dog and cat medications. The goal of this workshop will be a new USP General Chapter on solubility criteria.
USP DELEGATE REPORT

Carol Davis (AAVPT delegate to the 2010-2015 Convention) and Sanja Modric (President of AAVPT)

The 2010-2015 cycle of the US Pharmacopeia has a number of on-going veterinary activities. Veterinary drug standards are handled within the Small Molecules 3 (SM3) Expert Committee (EC). Dr. Mark Papich is on this expert committee and Dr. Sanja Modric is a member/FDA liaison. Other committees with veterinary-related topics and representation include the Compounding EC (led by Gigi Davidson); Dosage Forms EC (Sanja Modric is a member/FDA liaison); and the Nomenclature, Safety and Labeling EC (Dr. Dawn Boothe is a member, Sanja Modric a member/FDA liaison). In addition to these, the USP recently announced Dr. Ronette Gehring has been appointed to the Council of the Convention as a delegate representing the Association of American Veterinary Medical Colleges. So it is apparent many veterinary-related issues are being addressed by the USP and we are fortunate to have a number of our members involved in the activities of the USP.

Since Drs. Mark Papich and Sanja Modric are the most involved in the activities, I asked them to provide a summary of their activities for this 5 year cycle. Mark reported his committee has met twice and they have a spring meeting scheduled for April 23, 2012. Since the start of this new cycle, there have not been any veterinary monographs up for review or revision within the standards committee. This isn’t the committee’s or the USP’s fault. It is up to drug sponsors to initiate monograph development and in previous years there was a staff person assigned to the committee which helped to keep things moving forward. (Sanja indicated that another reason no veterinary monographs have been reviewed is that USP has started their monograph modernization process, and none of the veterinary monographs were in the first cut as the most critical ones to modernize. For the current list of the monographs needing modernization, see http://www.usp.org/usp-nf/development-process/monograph-modernization.

Sanja Modric, a member/FDA liaison of the Dosage Form EC, reported this committee has been the most active in terms of veterinary topics and interests. The EC established the Solubility Criteria Veterinary Expert Panel last year because it recognized the need to standardize the criteria for determining solubility of veterinary products. Several AAVPT members serve on the expert panel: Mike Apley, Rob Hunter, Marilyn Martinez, Sanja Modric, Mark Papich, and Jim Riviere. The purpose of this panel is to evaluate current information on the solubility of veterinary drugs and establish criteria for evaluating the dissolution profiles of veterinary drug products. The group started with evaluating solubility for drugs intended for dogs and cattle and will later extend to drugs for cats, swine and poultry.

The initial goal of the panel, to draft a USP stimuli article on solubility criteria for veterinary drugs, has been recently completed and is awaiting publishing in the May USP Pharmacopeial Forum. After the public comment period, USP is organizing the “Workshop on Solubility Criteria for Veterinary Products,” which will be held at the USP Headquarters in Rockville, MD on November 7-8, 2012.

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The USP’s commitment to veterinary drugs is further illustrated by a recent creation of the Veterinary Drug Stakeholder Forum. Sanja Modric is the USP-appointed chair of the Stakeholder Forum, and the group is currently exploring topics that would be of equal interest to the industry, regulatory agency and USP. The first Stakeholder Forum meeting will be held at the USP Headquarters in Rockville, MD on November 9, 2012. More information on the meeting will be provided at a later date, and we hope that many AAVPT members will attend.
Call for Posters
ACVCP/AAVPT Resident/Graduate Student Award
2012 ACVIM Forum
May 31-June 2, New Orleans, LA

**Award Objective:** The purpose of the Resident/Graduate Student Pharmacology Research Award is to recognize research excellence in clinical and/or basic pharmacology for residents and graduate students. A winning poster research presentation will be identified during the ACVCP Annual Meeting.

**Candidate Qualification:** To be eligible for the Resident/Graduate Student Pharmacology Research Award, candidates must have completed their research under one of the following conditions: 1) while in training for qualification to sit the ACVCP exam; 2) as a resident/graduate student while being mentored by an ACVCP diplomate; or 3) as student member of AAVPT while in a graduate program under the guidance of an AAVPT Fellow. The abstract must be submitted BEFORE the candidate has become certified as a Diplomate of ACVCP, or in the case of a graduate student, before the graduate degree is awarded. A poster presentation of the research must be presented at the ACVIM Forum.

**Submission:** Abstracts must be accepted by ACVIM and must be forwarded to the Chair of the ACVCP Awards Committee with a letter from the nominee’s mentor confirming eligibility. Electronic or hardcopy submissions will be accepted.

**Award Amount:** The award will be in the amount of **$1,000** (US) and accompanied by a certificate signed by the officers of the ACVCP and AAVPT. Awards will be presented at the joint ACVCP/AAVPT reception to be held on Thursday, May 31st from 6-8 pm at the Hilton New Orleans, Riverside (in conjunction with the annual ACVIM forum).

Send submissions and questions to: boothdm@auburn.edu

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**NEWS**

**AAVPT Receives Gift from Thomas E. Powers Estate**
We are pleased and honored to announce that AAVPT recently received a gift of $35,000 from the estate of Dr. Thomas E. Powers, who passed away in 2010. Dr. Tom (as all his students used to call him) was a founding member of AAVPT and a charter diplomat of ACVCP. Tom cared deeply about veterinary medicine education and worked tirelessly his entire career to advance veterinary pharmacology and veterinary clinical pharmacology. His commitment to this effort could be traced throughout his academic career and his desire to see it continue demonstrated in his generous gift to AAVPT. We are grateful to Dr. Tom and his family for their support and generosity.

**Jim Riviere Chairs Institute of Medicine (IOM) Committee**

Jim Riviere was chair of the IOM Committee on Strengthening Core Elements of Regulatory Systems in Developing Countries. On April 4, 2012, the committee released a report on Drug and Food Safety in Developing Countries which was broadcast live on CSPAN.

OBITUARY

Jack Oliver

Dr. Jack Oliver, AAVPT Fellow passed away at the age of 73.

Dr. Jack Oliver, M.S., D.V.M., Ph.D. of Maryville, TN passed away Sunday, June 5, 2011, at Vanderbilt University Medical Center, Nashville. Dr. Oliver (B.S. 1960, M.S., D.V.M., Ph.D.) was in the fourth graduating class at Purdue’s Veterinary School. He held Assistant Professorships at Colleges of Veterinary Medicine at Purdue (1969/70), Texas A&M (1970/71) and Ohio State (1972 to 1975). Jack was a long-standing member of AAVPT. He joined the academy when it was first formed in 1978 and served on the first AAVPT executive council from 1978-1979. He was an Associate professor (1975 to 1982) and Professor at the University of Tennessee in Knoxville for 35 years (Pharmacology and Endocrinology). He served as the Director of Clinical Endocrinology Service at the University of Tennessee College of Veterinary Medicine.

The Service specializes in adrenal disorders, and Dr. Oliver and co-workers did the initial studies that led to the concept of an adrenal syndrome that is now recognized as “Atypical Cushing’s Syndrome”, where the sex steroids are increased and cortisol levels are normal. Dr. Oliver and his co-workers also developed the usage of adrenal steroid profiles in the diagnosis of adrenal disease (cortisol, sex steroids and aldosterone). Survivors include his wife, Suanne Oliver; children, Dr. Jason and wife Charlotte Oliver of McMinnville, TN, Dr. Kevin Oliver of Raleigh, NC; stepchildren, Joni and Brian Jay of East Lansing, MI, James Hidbrader of Maryville, Julie Gairrow of Maryville and Jeff Hidbrader of Maryville; grandchildren, Joshua and Jared Oliver; step grandchildren, Jake, Allie and Dylan Gairrow, Lottie and Sadie Jay of East Lansing, MI, Catherine Hidbrader of NV; sisters and brothers-in-law, Vivian and Joe Dillman of Bloomington, IN, Charlene and George Foster of Gurnee, IL; brother and sister-in-law, Jim and Barbara Oliver of New Salem, IN.

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FROM THE EDITOR

Maya M. Scott

I would like to thank all of the AAVPT members who contributed reports and information for this newsletter. The newsletter is provided for the members of AAVPT, and I am always looking for interesting articles to include. Please let me know if you have any news or information to share with the organization.
The objectives of the Academy are:

To support and promote the education and research in comparative pharmacology, clinical veterinary pharmacology and other aspects of pharmacology of interest to the veterinary profession.

To sponsor a periodical Journal of the Academy which will publish reviews, summaries and original treatises on all aspects of veterinary pharmacology and therapeutics. The *Journal of Veterinary Pharmacology and Therapeutics* shall be an official instrument of the Academy.

To sponsor and conduct workshops, symposia or other scientific and educational meetings in veterinary pharmacology and therapeutics.

To enhance the exchange of educational materials and ideas among veterinary pharmacologists.

To organize committees of experts to research and make recommendations to the profession on current problems in veterinary therapeutics.