FROM THE OUTGOING PRESIDENT:

Since the 2018 Business Meeting, your Executive Council has been involved in working on the recently held Biennial in Overland Park, Kansas, a Long Range Planning Committee was populated and has been meeting regularly to discuss a strategic plan for the AAVPT, and discussions about how to interface with other veterinary pharmacology organizations have been held.

The EC also approved the nominations of a group of pharmacologists to Distinguished Fellow status, which has not been done in many years. The EC plans to continue discussions about how to ensure that Distinguished Fellows continue to be recognized and that nominations for our other prestigious award continue to be robust. We also plan to continue to talk about how to create a pipeline for encouraging early career pharmacologists in leadership roles in the AAVPT, so we maintain a strong and healthy academy.

Sincerely,
Virginia Fajt
2019-2021
EXECUTIVE COMMITTEE
PAST-PRESIDENT
DR. VIRGINIA FAJT

COMMITTEE MEMBERS
DR. MATHIAS DEVREESE
DR. JONATHAN MOCHEL
DR. MOHAMMED AL-BATAINEH
DR. LISA TELL

UPCOMING EVENTS

TENTH INTERNATIONAL CONFERENCE ON
ANTIMICROBIAL AGENTS IN VETERINARY MEDICINE (AAVM)
Brussels, Belgium, June 30 - July 3, 2020

ONGOING INVOLVEMENTS

COMPounding RESPONSE COMMITTEE:
Recently, CVM/FDA announced a new Guideline for Industry (GFI) #256 “Compounding Animal Drugs from Bulk Drug Substances” was published for comment. We have formed a working group consisting of: Drs. Rob Hunter, Melinda Poole O’Banion, Joe Bertone, Clara Fenger and Jack Kottwitz. At the time of this writing, we have met twice to discuss what response should be submitted to CVM.

LONG-RANGE PLANNING COMMITTEE:
The long-range planning committee continues to move forward with discussions regarding the direction and ideas for AAVPT. The plan is still to have an interim report at the next AAVPT business meeting for discussion with the membership. Members include: Drs. Scott Brown, Cory Langston, Ted Whittem, Jane Owens, Carol Davis, Richard Vulliet, Tomislav Modric, Anthony Lucas and Ronette Gehring.

HELP WANTED!
The AAVPT is in need of a new Comptroller to replace the irreplaceable Dan Gingerich. Duties include monitoring investment accounts and acting as a signatory for these accounts. This is an appointed position and considered long-term. Contact aavptsec@gmail.com or rphunter@1medicineconsulting.com if interested.
FROM THE PRESIDENT:

There is much to recap for you regarding the Biennial this past August, long-range planning and a new compounding working group. This has been a busy 4 months since the Biennial and I think it will continue to be for the members and officers of AAVPT.

The Biennial was held at the Overland Park Convention Center in Kansas so as to be in conjunction with Animal Health Week in Kansas City (http://kcanimalhealth.thinkkc.com/). First and foremost, I would like to thank the Biennial Program committee: Jonathan Hare, Lesley Rausch-Derra, Virginia Fajt, Ronette Gehring (to coordinate with EAVPT), Craig Parks, and Robbin Koenig for their hard work and time commitment to this project. They were the best group of people to work with! The theme of the 21st Biennial was: “New ideas, New Voices”. The overarching goal of this Biennial was to try and get a many new speakers on the program as possible to expand our audience and membership. The feedback on the Biennials suggests that we moved the needle in that direction.

Our Dr. Tom Powers Keynote speaker on day 1 was Dr. Linda Rhodes, “Change is Coming: New Therapies, Big Data, New Capital for New Companies. Thoughts on the Future.” We followed on with a session focused on ideas and speakers that had not previously been speakers at an AAVPT Biennial. This led into the graduate student platform and poster sessions. The day finished with the VPRF silent auction and AAVPT Awards Banquet. You can see pictures of the awardees and new Distinguished Fellows throughout this newsletter. I am thankful that so many people stepped up to recognize our colleagues! Day 2 was led with the Lloyd E. Davis Award recipient Dr. Katrina Mealey and her talk “KLM on ABC transporters: A retrospective analysis of cofactors”. The morning session followed with talks focus on Antimicrobials, Diagnostics Labs, and Breakpoints. After lunch, a series of talks focused on an update from the last Asilomar Biennial and Graduate Skills with input from Academia and Industry. The last session on Monday morning focused on Entrepreneurial aspects of drug discovery, development, and commercialization of new ideas. We also had the Veterinary Medicine strand from the Blue Valley Center for Advanced Professional Studies (BVCaPS) attend the morning sessions. This was a group of 20 local High School students interested in Veterinary Medicine. They were extremely grateful to AAVPT for allowing them to attend the Biennial and I would like to thank Drs. Ted Whittem and Scott Brown for taking the time to directly interact and encourage these students, they were VERY APPRECIATIVE of your time and effort. Thank you to all who attended.

Sincerely,

Rob Hunter
2019 Distinguished Fellow Inductees:
Dr. Mike Apley
Dr. Scott Brown
Dr. Virginia Fajt
Dr. Cory Langston
Dr. Marilyn Martinez
Dr. Katrina Mealey
Dr. Jane Owens
Dr. Mark Papich
Dr. Jim Riviere (Emeritus)
Dr. Steve Sundlof
Dr. Lauren Trepanier

“This category of membership is reserved for Fellows who have made an outstanding contribution to the field of veterinary pharmacology”
2019 AAVPT Award Winners

AAVPT Service Award

Dr. Mike Apley, Kansas State University

This award recognizes exceptional and sustained service either to AAVPT or to the profession of veterinary or comparative pharmacology, or therapeutics, at large.

AAVPT Teaching Award

Dr. Butch Kukanich, Kansas State University

This award recognizes significant teaching activities in the fields of veterinary or comparative pharmacology, or therapeutics.

The Lloyd E. Davis Award

Dr. Katrina Mealey, Washington State University

This award recognizes outstanding lifetime achievements in research, teaching and professional service in the field of veterinary pharmacology.
ACVCP/AAVPT Resident/Graduate Student Research Award

These awards are presented every year to recognize research excellence in clinical and/or basic pharmacology for residents and graduate students.

**Dr. Sophie R. Gretler**
*University of California, Davis*
*Mentor: Dr. Heather Knych*

“Characterization of CYP450 mediated metabolism of the polymorphic CYP2D6 probe drug codeine in horses.”

**Dr. Ally Fitzgerald**
*Kansas State University*
*Mentor: Dr. Butch Kukanich*

“Clinical Efficacy of an Oral Long-Acting Analgesic with a Human Abuse Deterrent in Perioperative Dogs.”
2019 VPRF Silent Auction

Thank you to the following AAVPT Biennial Symposium attendees who purchased items at the VPRF silent auction, which occurred on the Saturday night of the conference. Another big thank you goes out to the many folks who participated in our iPad raffle, which raised approximately $900 of funds for VPRF. Given this tremendous success, we will include raffles in our upcoming fundraising events, where state laws allow of course.

As a result of these purchases, approximately $8,000 was raised for the foundation, all of which will be put towards important veterinary pharmacology research. We hope that everyone is enjoying the items they purchased at the silent auction in the name of a worthy cause, and thank you again!

2019 Silent Auction Donors

Michela Cantiello  
Butch KuKanich  
Linda Rhodes  
Susan Longhofer  
Klaus Hellmann  
Chantal Lainesse  
Inga Karasek  
Scott Brown  
Katrina Mealey  
Ben Moses  
Craig Parks  
Mike Apley  
Mark Papich  
Anthony Lucas  
Mark Heit  
Sarah Wagner  
Cindy Cole  
Lesley Rausch-Derra  
Emma Nixon  
Jonathan Hare  
Jessica Wofford  
Emma Stafford  
Kristen Messenger  
Joe Gloyd  
Jane Owens  
John Byrd  
Rob Hunter

Thank You!!!
VETERINARY PHARMACOLOGY RESEARCH FOUNDATION

Dr. Jane Owens

In 2018, there were 49 grant proposals for evaluation by the scientific review committee. The foundation selected two pharmacokinetic grants and one pharmacology grant for funding

- Dr. Lauren Trepanier, professor and assistant dean of clinical and translational research at the University of Wisconsin-Madison School of Veterinary Medicine, was the recipient of the Veterinary Pharmacology Research Grant of nearly $12,000 for work to discover why individual dogs respond differently to the drugs azathioprine, cyclophosphamide, cisplatin, lomustine, amiodarone and chlorambucil.

The 2018 pharmacokinetic grant was named in honor of Dr. Brian Riviere who was the son of Dr. Jim Riviere, Emeritus Professor at North Carolina State University and Kansas State University, one of the pioneers in veterinary pharmacokinetics. His son Brian, was a pharmacist who died suddenly on June 28, 2017, at age 30, due to health complications. Because of their shared interest for pharmacology, the Veterinary Pharmacology Research Foundation has named this research award in honor and memory of Jim’s son Brian.

- Dr. John Thomason, associate professor of small animal internal medicine in the Department of Clinical Sciences at Mississippi State College of Veterinary Medicine received nearly $15,000 for research on population pharmacokinetics of subcutaneous enoxaparin in hypercoagulable dogs.

- Dr. Jonathan Foster, internist, Dialysis, Internal Medicine at Friendship Hospital for Animals in Washington, D.C., who was awarded nearly $12,000 for a research on the population pharmacokinetic analysis of enrofloxacin and its active metabolite ciprofloxacin following intravenous injection in cats with reduced kidney function.

2019

Once again, the foundation is offering two grants, one for pharmacokinetics (up to $15,000) and one for pharmacology (up to $30,000). The call for proposals went out on July 15th and will close on September 15, 2019. A final funding decision is expected in November.

Press release about the grant recipients for 2019:

Grant recipients are profiled at:
https://www.avmf.org/programs/research-support/

In recent years, VPRF has focused on increasing our fundraising efforts by reaching out to individuals in academia, industry and government who have interests in pharmacology. Board members have been leveraging their professional and personal networks to identify potential donors. It is our goal to increase our resources to enable eventual funding of a multi-year grant for a graduate student or veterinary pharmacology fellowship.

The board of directors currently includes Jane Owens (President, representing ACVCP), Anthony Lucas (Secretary, representing AAVPT), Dan Gingerich (Treasurer, representing AAVPT), Joe Gloyd (representing AAVPT), Mark Papich (representing ACVCP) and Virginia Fait (representing AAVPT) and Jay Donecker (representing AAVPT).

AAVPT and individual ACVCP and AAVPT members are the largest sponsors of VPRF. Last year, AAVPT voted to increase its funding contribution level to 20% of total assets. Currently, VPRF has a strong financial position, at the close of fiscal year 2017-2018, VPRF had
total assets of $136,889 (see attached financial report from Dr. Gingerich).

Future needs of the VPRF/AVMF are reviewers to serve on the Scientific Review Committee (SRC) to review grants submitted. In recent years, we have received roughly 50 grants to review. This places a large burden on the SRC to review these in a timely manner and prepare written comments. Currently, most of the SRC members are from the American College of Veterinary Internal Medicine (ACVIM) and ACVCP with little participation from AAVPT. We need expertise in several key areas (pharmacokinetics, PK-PD, infectious disease, immunology, cancer therapy, etc) with expertise and research experience to critically review these proposals. We urge the Boards of AAVPT and ACVCP to consider appointing members to this committee.

VPRF greatly appreciates the support and generosity of AAVPT as we work toward our goal of advancing the field of veterinary pharmacology.

REPORT FROM THE TREASURER
Dr. Jonathan Hare

We have a present balance of $75,943.10 in our account.

Revenue since last report (Sept 21) as follows:
• $58,800 from MDR workshop and biennial registrations (some membership fees included).
• $3890 from membership fees

Expenses since last report as follows:
• $23,613 in Workshop/Biennial costs
• $5,911 in bank, credit card, and web hosting fees
• $1625 in VPRF contribution (from membership renewals)
• $500 for student award
• $35 for non-profit fees and miscellaneous

The MDR conference was a fiscal success largely due to generous sponsorship. As a result, the EC decided to significantly reduce student registration fees for the Biennial.

Approx. 20 to 30k will be payable to the Overland Park Convention Center for remaining Biennial costs. This meeting should return a small surplus.

I would like to give personal thanks to Luke Wittenberg who has handled much of the day to day banking for the Academy.
**REPORT FROM THE COMPTROLLER**

*Dr. Dan Gingerich*

This report covers Veterinary Pharmacology Research Foundation (VPRF) fiscal year April 30, 2018 to April 30, 2019.

- Liquid assets at beginning of year $122,939
- Individual donations $2,825
- AAVPT annual pledge $50,000
- Expenses ($452)
- Grant expense ($41,715)
- Returns on investments $3,292
- Liquid assets at end of year $136,889

As of this date VPRF has a liquid asset value of $136,889.03 compared to $122,938.70 at the beginning of the fiscal year. Since the last report, VPRF has received donations totaling $52,825 compared with $34,843 last year. Gains on investments total $3,292. AAVPT was again the principal donor at $50,000, having increased its annual pledge of 20% of net assets.

Research grants were awarded at a total expense of $41,715. Since its foundation in 2008 VPRF has awarded a total of $280,176 in research grants as summarized in the chart below. Note: this amount includes a payment of 10% to ACVIMF/AVMF for grant administration.

AAVPT’s 20% pledge in support of additional research grants for the coming year is calculated at $39,835.80.

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**REPORT FROM THE SECRETARY**

*Dr. Jennifer L Davis*

As I finish my second year in office, I want to thank you all for your encouragement and patience as I have learned how to use (and abuse) the website. It has been a steep learning curve! We have made several adjustment and improvements, including moving the entire website to a more secure setting.

So far in 2018, we have had 20 new members join and 106 members returning. If you know of anyone interested in veterinary pharmacology who is not already a member, please direct them to the website and encourage them to become members.

If you have not paid your annual dues yet, please login to the website (aavpt.org) to renew your membership and update your information. We are continuing to streamline the process of dues renewal and notification. Remember, members can renew their memberships and donate to AAVPT and VPRF year-round rather than just once a year.

Thank you to everyone who voted in the 2017 AAVPT elections. The 2019 election ballot is ready and will be open from August 25th - September 25th. Results will be announced via the listserv and website after that time. We encourage all eligible members to vote! This includes all Associate Fellow, Fellow and Distinguished Fellow members in good standing (hint: pay your dues!).

If you are interested in becoming more active in AAVPT and would like to join a committee, please let me know. We need the help of all our members if we want our organization to grow and continue to be relevant.

Please also let me know if you have any questions about membership in AAVPT or if you would like to be added to the AAVPT listserv. We have made a concerted effort this year to include new members in our listserv and to update the information on our current members.
REPORT FROM THE JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS

No Report

AVMA COMMITTEE ON PHARMACEUTICAL AND BIOLOGICAL ISSUES

No report.

MEMBERSHIP AND BYLAWS COMMITTEE

No report.

AWARDS COMMITTEE

No report.

2019 BUSINESS MEETING MINUTES


Call ins: M. Scott-Garrard, M. Heit, T. Burnett, R. Claxton

Approval of Minutes from 2018 Business Meeting -
Motion made by J. Hare to approve minutes, seconded by C. Lainesse. Unanimously approved.

Secretary’s Report (Jen Davis) - Two notices sent out regarding the ballot for this year, one via the list serve and one via the website. Anyone that did not get 2 notices is likely not up-to-date on one of those databases and should contact me. Voting open until September 25, 2019. Candidates include:

President-elect: Jonathan Hare, Robin Koenig
Treasurer: Luke Wittenburg
Councilors: Mohammed Al-bataineh, Jennifer Caldwell, Michela Cantiello, Lisa Tell

Treasurer (Jonathan Hare) - Our accounts are in the black. Proceeds from the MDR workshop were used to subsidize students at AAVPT biennial. Biennial itself may break even, but final bills are not in yet. VPRF transfers - $1625 transferred last quarter in contributions, 20% transferred for annual donation. Rob thanked Luke Wittenburg for his help.

Comptroller – Dan Gingerich was not present; therefore, the Comptroller’s report was presented by Dr. Fajt. An increase in VPRF annual donations from 15% to 20% was made this year. The long-range planning committee will decide if this increase will continue in perpetuity. Comptroller position will be open. Dan Gingerich retiring and he was thanked for his service. A discussion was had regarding whether we could contract out for comptroller, which is not an officer position, and if it would be possible for an investment firm to perform these duties. It was confirmed that comptroller is an ex offico member of the council, not a voting member. An elected comptroller could potentially be a point person to work with an investment firm. Dan is registered as investor, so he has always waived his fees and hiring someone may result in less money. No final decision was made at the Business Meeting.

Long-range Planning Committee Report (Anthony Lucas) – The committee is made up of 6-8 past presidents. This is an International Committee, so getting together is logistically difficult. So far, they have had two meetings. Topics for discussion included:

1. Membership – why do people join AAVPT, how can we better get them to understand the value of membership, how do we attract more members; how do we interest people in running for office/committees
2. Broadening our horizons - engaging with EAVPT, ACVIM and USP; having a social media presence
3. Participation with JVPT - recommendations on the journal and what we want it to look like, organizational structure.

The committee will prepare a final report for the 2021 Biennial Symposium. A Poll was presented at the afternoon session for the members present to vote on options. This was 5 questions as a pilot, but will be sent out as a more detailed survey later.

VPRF Report (Jane Owens) – VPRF is the only funding agency devoted to veterinary pharmacology! Dr. Owens thanked the board for their service. We raised over $8000 at the silent auction, the highest amount ever raised in 1 year. Only one auction item didn’t sell (8th edition of vet pharm & therapeutics). This money will go toward funding research, with a long range goal of funding an ACVCP residency. Questions asked: Is there the potential for funding PhD in pharmacology not related to a residency (Lainesse); Should we increase potential for grant submissions by increasing global reach for advertisement for grant announcement.
It was noted that we have had some international submissions from South America, Canada, islands, but not Europe. Dr. Whittem suggested we could support grants for graduate students by giving extra points to grants submitted by graduate students, or requiring membership in AAVPT for submission (this is done in Australia). Dr. Lucas stated that we have had at least 12 publications completed; Dr. Fajt stated that the Texas A&M librarian is tracking the publications from these grants and the AVMF also tracks. Dr. Papich (chair of Scientific Research Committee) thanked Jane Owens for her service and stated that there are currently two categories of grants and the board just came up with designation and amounts, so if anyone has other ideas send input (within reason). Dr. Pasloske suggested increasing exposure and encouraging other submissions, analytical methods cost? Dr. Papich stated that since the ACVIM foundation collapsed, we are now the major pharmacology funding source for ACVIM and Dr. Fajt suggested we might want to fund some targeted opportunities for smaller groups (ie antibiotics in fish, etc). Dr. Papich suggested we could be open to naming rights from specific donors; Dr. Boothe asked if this was in our guidelines (it is apparently not). Dr. Lainesse suggested that AAVPT should start compiling a list of ideas that require research (recognized deficiencies) and potentially prioritizing these.

**JVPT Report** – Paul Mills is the new editor in chief; Katrina Mealey is the North American editor; Mark Papich is the reviews editor; Manfred Kietzmann is the new European editor. Our Bylaws state that AAVPT has the right to name the editor of the journal, which has not happened this time. Dr. Mills was appointed by Elsevier. Dr. Lin requested that authors of the most downloaded articles, etc be notified (MP/KM will take to Elsevier to see if that can be done). Dr. Rauche-Derra voiced concerns that JVPT is too heavy into PK, should be more open to pharmacodynamic articles. Dr. Papich stated that recent editorial board meetings had focused on the scope of the journal and how much toxicology or in vitro data should be accepted. The goal is not to be just a PK journal and he suggested sending concerns to editors about articles being rejected for ‘not enough PK’. Dr. Lainesse requested JVPT not include ‘:’ in article names for easier downloading and storage.

**Other reports** – none
Dr. Brown made a motion to accept all reports (Dr. Lainesse seconded); motion passed

**Other business** -
1. Review of committee chairs – some standing committees need chairs; awards (Chantal and Lesley), financial, long range, membership; need bylaws committee (DB volunteer) and LRPC to look at those committees listed in bylaws and determine some that are not needed (ie examination, newsletter)
2. Location of next biennial – unofficial rule for DC every other year; president elect will work on after official election.

**Election update** – Voting was delayed as the nominations committee struggled to get volunteers. Dr. Lucas stated they reached out to 25 people; president-elect is particularly hard as it is a 6 year commitment; Dr. Lainesse suggested increasing committee or councilor participation to lead to deeper pool for officers positions; Dr. Whittem suggested going to department heads so they value the actions (particularly for academia). Dr. Boothe requested the Long-range Planning Committee come up with plan for bylaws committee.

**Meeting closed** – Dr. Brown made a motion to adjourn, motion was seconded; all were in favor