AAVP Newsletter

American Association of Veterinary Parasitologists

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AAVP Mission Statement

The mission of the AAVP is to lead and partner with our members in advancing veterinary parasitology education, research, practice and service to improve human and animal health. AAVP members are practitioners, educators, and scientists from academia, industry, and government. We will accomplish this mission by providing:

- An annual conference for sharing research and educational advances
- Support to students interested in veterinary parasitology
- A bi-annual educators symposium
- Electronic discussion forums
- Veterinary publications
- Speakers and programs to veterinary professional meetings

From the President

AAVP President
John Gilleard

Dear AAVP members and colleagues,

I am extremely honoured to serve as AAVP President, particularly as a relative newcomer to the organisation, having moved to Calgary from Glasgow in the UK just ten (short) years ago. My first AAVP meeting was in San Diego in 2012 and I was immediately struck by the enthusiasm, collegiality and the welcoming nature of the AAVP membership. The progressive and supportive approach toward students and post-doctoral researchers is truly outstanding and this is reflected in the remarkable number, quality and engagement of our student members. Many thanks to Dr Dan Zarlenga for all his excellent work as President last year, not least for keeping me in course as program chair for the Denver meeting!

I am glad to say that we had another very successful meeting in Denver this year with 298 attendees and a record number of abstract submissions for a "stand alone" AAVP meeting. There were 85 oral presentations, including invited speakers and prize awardees, and 61 posters. This was about 30% greater than in the last few meetings and over 50% of the abstracts were from students or post-docs suggesting a bright future of our organisation and for Veterinary Parasitology in North America. The larger number of abstract submissions this year meant that we had to limit each individual delegate to a single oral presentation in order to fit the program format at two concurrent sessions. This led to a greater number of posters than usual and so it is fortunate we had decided to increase the profile of the poster sessions this year by holding 1 minute "Poster-promo" sessions. This new approach provided a fun and effective way to highlight posters and the poster sessions themselves were extremely well attended and interactive. We have received very positive feedback on this format and I hope it will continue in future meetings perhaps introducing a best "Poster Promo" prize; although choosing between rap, poetry and comedy might be challenging!

We had a great response to the SurveyMonkey organised by Dr Mason Reichard with the feedback on the meeting being very positive overall but also providing useful constructive feesback. Many thanks to Mason for this initiative as it has proven difficult in the past to get sufficient feedback for meaningful analysis. The information will provide a valuable resource for planning future meetings. Many thanks also to the organizing committee for the huge communal effort. In particular, Dr Doug Carithers, who finished his term as AAVP secretary and who has taken on a remarkably large administrative load for a number of years now. Many congratulations too for his election as AAVP vice-president which means he is now the Program Chair for the 2020 AAVP meeting- hope you weren't looking forward to a break Doug! Welcome to Dr Adriano Vatta as our new AAVP secretary who I am sure will do a great job over the next few years. Our student representatives, Dr Jessica Rodriguez and Dr Ashely Steuer, did a fantastic job in organizing the student events this year which all went extremely well. The post-meeting student trip was to Colorado State University Diagnostic Laboratories, kindly hosted by Dr Ashley McGrew and assisted by Dr Yoko Nagamori. Thanks to Jessica for her great work over the last two years and she is replaced by Dr Grace VanHoy as the new student representative this year.

Dan Zarlenga (right) presents Doug Carithers with a plaque recognizing his years of service as AAVP Secretary/Treasurer.

As in previous years, we had fantastic support from our sponsors again. Many thanks to Bayer for the welcome reception and evening social on Saturday, and to Boehringer-Ingelheim and Elanco for the evening socials on Sunday and Monday respectively. Many thanks also to Zoetis and Merck for the lunches on Sunday and Monday and to Virbac for the student "meet and greet" and lunches. We are also very grateful for the sponsorship provided by the other companies listed in the conference proceedings. Finally, to the National Center for Veterinary Parasitology, headquartered at Oklahoma State University, for generously organizing and sponsoring lunch for another, ever popular, Parasitology Clicker Cases session as the final act of the meeting.

As I am sure you are all aware, the 2019 AAVP meeting will be held jointly with the WAAVP meeting in Madison Wisconsin next July and we have an update on the various deadlines and overview of that meeting elsewhere in this Newsletter. It should be a great opportunity for those AAVP members who don't normally attend WAAVP to experience that meeting and to network with WAAVP members. We are also exploring holding the AAVP meeting in 2020 at a location and date separate from the AVMA meeting. There are a number of potential advantages to this including allowing members to attend and fully engage with both meetings and to hold the AAVP meeting at an interesting and cost-effective location of our choice. The great majority of members with whom we consulted, and all our major sponsors, are supportive of this idea. The AAVP executive has expored a number of possible locations and has selected the beautiful resort town of Snowbird, Utah. Many thanks to our site selection visit team of Drs Doug Carithers, Adriano Vatta and Ashley Steuer for their excellent work on this and they will provide more detail on this exciting venue for our 2020 annual meeting elsewhere in this newsletter location. The success of holding our annual meeting at a separate venue to AVMA will be assessed before deciding on whether to continue this for future meetings.

The continued success of AAVP means that evolution, rather than revolution, is needed which makes the President's job an enjoyable one at present. However, it is obviously important that we don't let success lead to complacency and there are a number of things I would like to focus on this year. One important initiative, started by Drs. Tim Geary and Dan Zarlenga, is trying to increase the engagement of those veterinary parasitologists, who are located at various veterinary schools and other institutions in North America, who do not normally attend AAVP. Tim presented an interesting poster at the annual meeting this year showing that there are major gaps in the representation of institutions. The next step will be to identify the relevant people at these institutions and explore how we can engage them. On a related note, I am also working with our electronic media committee to explore ways in which we can increase the profile and visibility of AAVP through the continued development of our website (thanks Meriam!) and how we can make better use of social media. Another area that needs consideration is how to improve the gender balance of our executive committee and award nominees. I will be reaching out to the relevant committee chairs to discuss this issue. We also have two proposed changes to our by-laws that will be put to a vote at our business meeting in July. These are to dissolve our Past-Presidents and the Newsletter committees. The editor and assistant editor of the newsletter will become named positions on the Electronic Media committee. The proposed changes to these bylaws will be presented in more detail elsewhere in this newsletter.

Finally, I would like to thank our committee chairs and members for all their hard work over the coming year and remind the chairs to ensure regular committee meetings are held. We hold monthly meetings of the executive committee by conference call and we will have our mid-year meeting early next year. I encourage you to contact me with any suggestions or issues you would like to have raised with the executive committee. Many thanks for your commitment to our organisation and I look forward to another successful year for AAVP and to seeing you all in Madison, Wisconsin, next July!

John Gilleard, AAVP President
Email: jsgillea@ucalgary.ca Tel : (403) 998 8266

From the Secretary/Treasurer

2019 AAVP Membership Dues

Adriano Vatta
Secretary/Treasurer

AAVP membership has been on a calendar-year basis for a number of years now, and the renewal period for AAVP membership for calendar year 2019 is from October 1, 2018 to January ~~1~~31, 2019. This means that dues now need to be paid. Any members who have not renewed their memberships by January 31, 2019 will lose their membership privileges.

Please note that even if the website indicates that your membership expires sometime after January 31, 2019, if you are not specifically paid-up for 2019, the official record will indicate that your membership has expired.

Annual dues for regular members are $75.00 per year and $30.00 per year for students.

Dues may be paid online by clicking on the "Membership" tab at the top of the AAVP web page (http://www.aavp.org) and then clicking "Join / Renew". If you login to the site before clicking "Join / Renew", your personal information will be prepopulated on the renewal form. Payment of dues is administered through PayPal, though you do not need to have a PayPal account to submit your payment. Once you have made your payment, you should receive an e-mail from PayPal confirming your payment and an e-mail from the AAVP confirming that your account has been updated. If you do not receive confirmation from the AAVP, please contact me. Also, if you are experiencing any other problems with the payment of your dues online, please contact me and I will assist you.

If you prefer to pay your dues by check, please mail a check payable to AAVP to me at the address below.

Members who are in good standing may purchase an online subscription to *Veterinary Parasitology* for an additional $50.00 per year. The subscription will be valid for the calendar year 2019, and the link for payment of the subscription is also to be found on the "Membership" tab of the AAVP website.

Dues Reminder
Deadline for payment:
January 31, 2019
Pay online at:
http://www.aavp.org

Thank you for continuing to support the AAVP!

Dr. Adriano Vatta
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Submitted by Dr. Adriano Vatta, Secretary/Treasurer, AAVP.

2018 Annual Meeting Report

Doug Carithers
Past Secretary/Treasurer

The 63rd annual meeting of the American Association of Veterinary Parasitologists was held at the Curtis Hotel, Denver, CO on Saturday July 14th through Tuesday morning July 17th, 2017. A total of 298 individuals attended the meeting (178 regular members, 69 paid students, 20 non-members, 5 complimentary students, 5 speakers and 20 spouses). The theme of the meeting was "Collaborating to Solve Complex Challenges". A total of 54 Young Investigator Travel Grants (YITG) were awarded to students (each applying for a maximum of $500), however 3 students were unable to attend, netting out at 51 potential recipients. A total of 142 abstracts were included in the meeting proceedings (85 oral and 57 posters) assembled by Dr. John Gilleard, the Scientific Program Chair.

The AAVP Board meeting was held Saturday from 8:00 AM to 12:10 PM. A plenary session was held Saturday afternoon with presentations by Linda Mansfield on multi'omic approaches and Vanessa Ezenwa on wildlife insights on helminth-microbe co-infections. A special presentation was given by Dr. JP Dubey, the William C. Campbell One Health Award winner. The 2018 AAVP / Boehringer Ingelheim Distinguished Veterinary Parasitologist Award was presented to Dr. Ray Kaplan, University of Georgia, following the plenary session. Russell Avramenko received the 2018 AAVP / Merck Outstanding Graduate Student Award. He provided his presentation entitled "Exploring the 'Nemabiome': Deep amplicon sequencing to investigate community structure and drug resistance in parasitic gastrointestinal nematodes of livestock." Jeba Jesudoss Chelladurai, Iowa State University, was awarded the 2018 AAVP / CAPC Graduate Student Award in Zoonotic Disease.

AAVP received direct financial support ($33,500) for the meeting from 15 sponsors including 5 at the Partner level, 1 at Platinum, 4 at Gold and 6 at Silver. Support for named awards at $5250.00 was provided by Boehringer Ingelheim ($1500 for the AAVP-Boehringer Ingelheim Distinguished Veterinary Parasitologist Award), $1000.00 by CAPC (AAVP-CAPC Graduate Student Award in Zoonotic Disease), $1000 by Merck Animal Health (AAVP-Merck Animal Health Graduate Student Research Award), $950 by Bayer (Oral presentation awards - 3 places), and $800 by Elanco (Poster winners – 2 places). The Saturday opening social event was hosted by Bayer Animal Health, a Sunday evening social was sponsored by Boehringer Ingelheim and the Monday evening social was sponsored by Elanco Animal Health. Virbac sponsored the student lunches on Saturday, Sunday and Monday, Zoetis sponsored a luncheon presentation on Sunday, and Merck sponsored a luncheon seminar on Monday.

The AAVP business session was held Monday afternoon presided over by President Dante Zarlenga. Reports were presented by each of the AAVP committee chairs. John Gilleard advanced from President Elect and Program Chair to the presidency, with Mason Reichard advancing from Vice President to the President Elect/ Program Chair. Doug Carithers was elected vice president and Adriano Vatta to the Secretary/Treasurer position. Yoko Nagamori and Lindsay Starkey were elected to the Nominations Committee. Grace VanHoy, at the Ohio State University, was elected as the 2018-2020 AAVP student representative on the AAVP Executive Committee to co-serve with Ashley Steuer (2017-2019), University of Kentucky.

During the business meeting a remembrance was offered for Dr. Eugene T. Lyons, Ms. Sharon Tolliver, Dr. Sidney A. Ewing, Dr. Robert Young and Dr. Norman Baker (AAVP President from 1977-1979). Additionally, it was pointed out that Dr. Donald Cooperrider (AAVP Sec/Treas 61-69, AAVP President 1972-1973) passed a number of years ago, and he was also acknowledged. A moment of silence was held for these folks who so influenced veterinary parasitology. Dr. Dante Zarlenga reviewed the goals and achievements of the past year, including discussion of exploring alternate venues for future meetings. President-elect Dr. John Gilleard provided an outline of the AAVP goals and objectives looking forward for the next 12 months.

The AAVP President's Symposium was held on Tuesday morning. Prior to the symposium, the student award winners were recognized. Pablo Jiminez Castro, UGA, was awarded 1st place in the Best Student Oral Presentation competition sponsored by Bayer Animal Health. Ryan Snyder, Guelph, received 2nd place in this competition and Rachel Imai, Guelph, took 3rd place. Honorable mention certificates for the student oral competition were presented to Alex Hunter (Oklahoma State), Jamie Norris (Kentucky), Camila Queiroz (Calgary), Julie Sanchez (Georgia), and Molly Savadelis (Georgia).

Bailey Chalut, University of Rhode Island, was awarded 1st place in the Best Student Poster Presentation competition sponsored by Elanco. Justin Blair, Delaware, placed second in the poster competition. Cassan Pulaski (Louisiana State), Jessica Shrake (Ohio State) and Megan Wohltjen (Oklahoma State) received honorable mentions in the poster competition.

In the President's symposium, Damer Blake, Royal Veterinary College, provided insights on recombinant vaccines for the control of coccidia, and Edwin Claerebout spoke on targeting vaccines against GI nematodes of cattle. Following the presentations, Dr. Zarlenga recognized Dr. Doug Carithers for his service as Secretary/Treasurer from 2014-2018. Then, Dr. Zarlenga was recognized for his efforts and contributions as AAVP President for the past year. He was presented a plaque by Dr. John Gilleard. This session was followed by an audience participation clicker session supported by the NCVP, from Oklahoma State University. Box lunches at the conclusion were also provided the NCVP.

The following is a synopsis of the Saturday Board meeting and parting words from Dr. Zarlenga. All the committee reports were published in their entirety in the AAVP Summer 2018 newsletter.

AAVP Saturday Board meeting:

The minutes of the 2017 meeting in Indianapolis, IN and the 2018 mid–year Executive Committee meeting in Atlanta, GA, were emailed to the board members. The 2019 joint meeting with the WAAVP was discussed in depth, and concerns were voiced regarding expected support. Later in the meeting, Dr. Tom Kennedy, WAAVP Chair, addressed the board and allayed any and all concerns of the board. His participation was greatly appreciated by the board. The only significant additional new business issues were discussion related to By-laws changes and future meeting location. It was decided that the By-laws changes would be drafted and presented to the membership for consideration prior to a vote at the 2019 AAVP business meeting (to be held during the WAAVP meeting). Discussion then centered on the high costs to members associated with having meetings in the same city as the AVMA. The 2020 AVMA meeting is scheduled in San Diego. It was agreed upon by the entire board (Exec and committee chairs) to explore meeting location options/opportunities in other cities (mid-June to July 31, 2020), in addition to hotels in San Diego, during Aug 1-4, 2020 (concurrent with the AVMA meeting) so viable cost options can be explored.

Future Meetings:

2019 – July 7-11, 2019, Joint Meeting with the WAAVP, Madison, WI

Respectfully submitted,

Doug Carithers, DVM Date: 3 Aug 2018
Secretary-Treasurer, AAVP

Proposed Amendments to the AAVP By-Laws

Summary of Proposed By-Laws Changes

The Constitution and By-Laws Committee met during the 2018 AAVP Conference and reviewed recommendations from the AAVP Executive Board for three changes to the By-Laws. This Committee now brings those proposed changes to the AAVP Membership for consideration and official voting during the 2019 Conference of AAVP. The three proposed changes are:

1. Abolish the Past Presidents Committee and reassign duties to the Outreach, Publications and Research Committee and to the Executive Committee.
2. Dissolve the Newsletter/Editorial Board Committee and add the Editor and Assistant Editor as named positions in the Electronic Media Committee.
3. Add authorization for the Executive Committee, working with the Secretary Treasurer and, when possible, an event planner, to identify sites/venues for the annual AAVP meeting.

These proposed changes are noted with strikethrough (indicating proposed deletions) and yellow highlight (indicating proposed additions) in the following:

By-Laws of The American Association of Veterinary Parasitologists

1. **Committees of the Association** shall be:

a. Elected Committees:

- Nominating Committee: The Nominating Committee shall present the annual ballot of officers and Nominating Committee nominees to the membership in the February AAVP Newsletter. Members of this committee cannot serve consecutive terms. This committee shall consist of six (6) members elected by the membership for staggered, three-year terms. Five (5) nominees shall be presented to the membership for each election. The Nominating Committee's ballot shall be accompanied by biographical sketches of all nominees. Two (2) nominees receiving the most votes will be elected to the committee.

b. Appointed Committees:

- **Finance Committee:** The Finance Committee shall audit the Association's financial records at the annual meeting. The Finance Committee shall consist of three (3) members appointed by the President for three-year, staggered terms.
- **Program Committee:** The Program Committee shall be responsible for planning and implementing the program to be presented at each annual meeting of the Association and all other programs sponsored by the Association. The chairperson will be the Vice President-elect of the Association and the vice-chairperson will be the Vice President of the Association. The committee members shall be appointed by the chairperson on an annual basis and shall consist of the number of members deemed appropriate by its chairperson.
- **Archivist:** The archivist shall be appointed by the President and shall be responsible for the safe retention of all non-current records of the Association.
- **Ad Hoc Committees:** Ad Hoc Committees shall be appointed by the President in consultation with the Executive Committee, as deemed necessary.

c. Standing Committees:

- **Outreach, Publications and Research Committee:** The Outreach, Publications and Research (OP&R) Committee shall initiate new programs that will promote the Association and its members. It shall recommend these programs to the Executive Committee and develop and maintain relationships with other related societies, producer groups, and industry. **The OP&R Committee shall be responsible for identifying other scientific organizations with interests that overlap those of the AAVP for possible joint meetings.** The OP&R Committee shall continually evaluate the direction of research in veterinary parasitology and report to the membership on these directions. It shall also develop statements on areas the Association believes research emphasis is needed. The OP&R Committee shall also be responsible for developing, writing, and seeking publication for all scholarly documents and books sponsored by the Association for distribution to the membership. The OP&R Committee will arrange and supervise the independent expert review of such documents by two or more experts external to the OP&R Committee. The person serving in the management role will not be a co-author of the paper. If all members of the OP&R Committee are co-authors, then the Chair of the OP&R committee will assign the management responsibility to a person external to the Committee. Documents submitted by AAVP members without solicitation, for the endorsement or approval of AAVP, will be similarly reviewed. The OP&R Committee will recommend to the AAVP Executive Committee whether the publication or dissemination of a given document that has gone through the full review process shall be endorsed by AAVP. All such publications will be issued only after the approval of the Executive Committee.
- **Education Committee:** The Education Committee shall foster interchange between veterinary parasitologists and assist in any way the enhancement of teaching parasitology in general and veterinary parasitology in particular.
- **Awards Committee:** As appropriate, the Awards Committee shall recommend persons for honorary membership, and select individuals to receive the Association's Distinguished Veterinary Parasitologist award and other awards as deemed appropriate by the Association.
- **Constitution/By-Laws Committee:** The Constitution/By-Laws Committee shall be responsible for reviewing the Constitution and By-Laws on an annual basis and recommend changes to the Executive Committee.
- **Electronic Media Committee:** The Electronic Media (EM) Committee shall be responsible for the dissemination and distribution of all non-paper communications from the Association to the membership. As such, the EM Committee shall be responsible for providing material to update the AAVP social media accounts (*e.g.* Facebook and Twitter); a member of the EM Committee will be tasked with posting/updating the social media accounts for the organization. Social media posts can consist of interesting news articles, press releases, and AAVP announcements. All posted material should be in accordance with AAVP policies. However, it is recognized that, by design, posts allow for individual expression. Thus, where possible, the following disclaimer will be associated with posts: “These opinions have not been evaluated for accuracy by the AAVP”. In addition, the EM Committee will assist with providing resources and content that can be posted on the AAVP website. For example, the EM Committee will assist the Newsletter Editorial Board Committee in publishing the AAVP Newsletter electronically. **The Editor and Assistant Editor of the Newsletter are named positions in the EM Committee. The Editor and Assistant Editor are responsible for the AAVP Newsletter, which shall be published electronically by the Publications/Internet Committee, three (3) times a year on the AAVP website with a post-conference issue in the fall, a winter issue including candidates for elections and a pre-conference issue approximately one month before the annual conference.**

- ~~**Newsletter/Editorial Board Committee:** The Newsletter/Editorial Board Committee shall be responsible for the AAVP Newsletter, which shall be published electronically, by the Publications/Internet Committee, three (3) times a year on the AAVP website with a post-conference issue in the fall, a winter issue including candidates for elections and a pre-conference issue approximately one month before the annual conference.~~

- **Student Committee:** The Student Committee shall help to increase communication and the exchange of information, ideas and fellowship among all student members and the AAVP membership, and work to promote and foster attendance and participation of students at the annual AAVP meeting.

- ~~**Past President's Committee:** The Past President's Committee shall consist of the three most recent past-presidents. The Committee shall be responsible for identification of potential organizations for possible joint meetings with AAVP. The Committee shall also be responsible to work with the Secretary-Treasurer in identification of meeting sites/venues.~~

2. The annual **dues** of the association are $75.00 (students $30.00). To be a member in good standing, annual dues are due not later than January 31st in that calendar year for any year. When dues are in arrears, the Secretary-Treasurer shall notify the delinquent member of the Association's intention to remove his or her name from the membership roll. The Executive Committee shall make recommendations to the membership concerning changes in dues amounts.

3. **The Executive Committee shall work with the Secretary-Treasurer and, when possible, an event planner in identifying sites/venues for the annual AAVP meeting.** The **Annual Meeting** of the Association may be held in conjunction with the annual AVMA convention.

4. The **Business Meeting** of the Association at the annual meeting shall use Robert's Rules of Order in conducting business.

5. **ByLaws changes**: Two-thirds (2/3) vote of the members present and voting at the annual meeting shall be necessary to approve changes in the By-laws, provided a quorum is present.

6. Student Chapters

Student chapters of the American Association of Veterinary Parasitologists may be formed at any College of Veterinary Medicine, as well as other colleges and universities, in North America. Application for AAVP student chapter status will be made in accordance with the AAVP student chapter guidelines and the AAVP student chapter constitution.

Revised 8/94, Revised 3/05, Revised 7/07, Revised 07/10, Revised 08/12, Revised 7/17

Respectfully submitted,

Joe Camp, Chair, Constitution and By-laws Committee

AAVP Leadership, Committee Chairs / Members

AAVP 2018-19 Officers and Leadership

Back row L-R: Adriano Vatta (Secretary-Treasurer), Dan Zarlenga (immediate Past-President), Doug Carithers (Vice-President).
Front row L-R: Grace VanHoy and Ashley Steuer (current Student Representatives), John Gilleard (current President), Mason Reichard (President-Elect).

2018 – 2019 Committees

NOTICES

Attention AAVP Members: If you are listed as a committee member with a (2018) date then you are technically not on that committee anymore. However, I kept your name on the list here, as many of you may want to continue serving. If you are due to rotate off in 2018, please contact the chair of that committee to confirm that you either are no longer on the committee, or that you want to continue serving for another 3-year period.

Attention Committee Chairs: Please contact all of your members to confirm that they know they are on your respective committees and that they wish to continue serving in that role. Please then send me an updated list of active members of your committee with ending dates of their terms.

Thanks,
John Gilleard, President, AAVP

Elected Committees

Nominations

Sheila Mitchell, Chair (2019)	shmitch2@gmail.com
Tom Nolan (2019)	parasit@vet.upenn.edu
Joyce Login (2020)	joyce.login@zoetis.com
Ashley McGrew (2020)	ashley.mcgrew@colostate.edu, ashlinton98@hotmail.com
Yoko Nagamori (2021)	yokon@ostatemail.okstate.edu
Lindsay Starkey (2021)	las0080@auburn.edu

Appointed Committees

Ad Hoc List Server Manager

Bert Stromberg b-stro@umn.edu

Archives

Tom McTier, Chair (2020)	tom.mctier@zoetis.com
Tom Nolan	parasit@vet.upenn.edu
Raf Roncalli (2018)	r.roncalli@gmail.com
Miguel Suderman (2019)	msuderman@cellsystems3d.com
Ann Donoghue (2019)	ardonoghue@gmail.com
Heather Stockdale Walden (2019)	hdstockdale@ufl.edu

Awards Committee

Lindsay Starkey, Chair (2021)	las0080@auburn.edu
Alice Lee (2021)	cl568@cornell.edu
Gui Verocai (2021)	gverocai@gmail.com
Jim Miller (2021)	jmille1@lsu.edu
Joe Camp (2021)	jcamp@purdue.edu
Jesica Jacobs (2019)	jrjaco2@emory.edu
Lora Ballweber (2019)	lora.ballweber@colostate.edu
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Christian Epe (2021)	Christian.Epe@boehringer-ingelheim.com
Peter Thompson (2021)	peter.thompson@ars.usda.gov

Constitution and Bylaws Committee

Joe Camp, Chair (2019)	jcamp@purdue.edu
Ryan Avery (2020)	ravery3@lsu.edu
Lisa Kaloustian (2021)	llmeader@gmail.com
Andy DeRosa (2020)	Andrew.DeRosa@zoetis.com
Sriveny Dangoudoubiyam	sdangoudoubiyam@gmail.com

Education Committee

Antoinette Marsh, Chair (2018)	marsh.2061@osu.edu
Andy Moorhead (2021)	amoorhed@uga.edu
Araceli Lucio-Forster (2021)	al33@cornell.edu
Ashley McGrew (2021)	ashley.mcgrew@colostate.edu
Heather Stockdale Walden (2018)	hdstockdale@ufl.edu
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Grace VanHoy (2021)	vanhoy.2@osu.edu
Roger Ramirez-Barrios	arapuey@gmail.com

Electronic Media Committee

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Tim Geary (2020)	timothy.g.geary@mcgill.ca
Ray Kaplan (2019)	rkaplan@uga.edu

Thanks to Dan Zarlenga, our outgoing AAVP President! Dan was presented with a plaque by John Gilleard in recognition of his service as Association President, and John was presented with the session bell!

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Student Representatives

Welcome to Grace VanHoy who joins Ashley Steuer as Student Representative to AAVP. Our thanks to Jessica Rodriguez who completed her term this year!

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(2019)

Grace VanHoy
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(2020)

Awards

2018 AAVP-Boehringer Ingelheim Distinguished Veterinary Parasitologist Award

Doug Carithers and Lindsay Starkey presenting the AAVP-Boehringer Ingelheim Distinguished Veterinary Parasitologist Award to Ray Kaplan (center).

Dr. Ray Kaplan, Professor at the University of Georgia, was selected as the 2018 AAVP-Boehringer Ingelheim Distinguished Veterinary Parasitologist. This prestigious award recognizes and honors the outstanding contributions of an AAVP member to the advancement of veterinary parasitology. He presented to a crowded room on opening day of the conference in Denver. In addition to the honor this award brings, Dr. Kaplan received a plaque and a $1,500 monetary award provided by Boehringer Ingelheim.

His full biography is featured in the 2018 annual meeting proceedings; however, several highlights are summarized below:

Ray grew up in New York and collected a variety of pets throughout childhood. He received his BS and DVM from Virginia Tech, which is where his passion for parasites was initially sparked while working in the USDA Parasitology Research Institute with Drs. Rew and Fetterer. That love for parasites was cultivated even further while at the University of Florida as Ray completed his PhD, mainly working with liver flukes in cattle with numerous 4-wheeler excursions through the Florida countryside doing field work. Following a post-doc at the University of Wisconsin-Madison, Ray was commissioned into the US Army Veterinary Corps, completing his tour of service in 1998. That same year, Ray joined the faculty at the University of Georgia where his research has focused on measuring, understanding, and solving the problem of drug resistance in nematode parasites, and in developing and testing novel and sustainable methods of parasite control. The Kaplan lab continues to grow as Ray has provided guidance to undergraduate, veterinary, and graduate students as well as parasitology residents, post-docs, and visiting scientists.

Dr. Kaplan was integral in the founding of the American Consortium for Small Ruminant Parasite Control promoting sustainable parasite practices here in the US. He also served as the director for the NIH-NIAID Filariasis Research Reagent Resource Center, president of AAVP, and was a charter diplomate for the ACVM-Parasitology subspecialty. He is a world-renowned expert on anthelmintic resistance who is continually sought-after for his enthusiasm for and expertise on the subject.

Congratulations, Dr. Kaplan, and thank you for all that you have given and continue to give to veterinary parasitology!

AAVP-Merck Outstanding Graduate Student Award

***Dr. Russell Avramenko**, the University of Calgary, is the recipient of the AAVP-Merck Outstanding Graduate Student Award for 2018. Congratulating Russell on the award are Christine Royal (far left) and Frank Guerino (right center) (both of Merck) and Lindsay Starkey (far right).*

Dr. Russell Avramenko, of the University of Calgary, was selected as the recipient of the 2018 AAVP-Merck Outstanding Graduate Student Award. Russell's work has focused on the development of molecular assays and next-generation sequencing approaches to investigate community structure and drug resistance in parasitic gastrointestinal nematodes of livestock. Russell defended his Ph. D. in December of 2017, and is currently working in the Gilleard lab as a Research Associate. He received reimbursement of travel expenses by the AAVP, an engraved plaque and a monetary award of $1000 provided by Merck Animal Health. Russell's presentation took place Saturday afternoon at the annual meeting in Denver and was titled, "Exploring the 'Nemabiome': Deep Amplicon Sequencing to Investigate Community Structure and Drug Resistance in Parasitic Gastrointestinal Nematodes of Livestock."

Congratulations to Russell!

AAVP-CAPC Graduate Student Award in Zoonotic Disease

Dr. Jeba Jesudoss Chelladurai, Ph.D. student at Iowa State University, was selected as the recipient of the 2018 AAVP-CAPC Graduate Student Award in Zoonotic Disease for her work on *Ascaris* and *Toxocara canis*. Her research has focused on characterizing drug efflux pumps of *Toxocara canis*. She has published case reports about molecular identification of accidental *Ascaris* infections in a calf, zoonotic *Toxocara vitulorum* in a beef herd and on the molecular epidemiology of *Ascaris* in pigs in Iowa. She has also worked on potentially zoonotic *Cryptosporidium* spp. in blackbirds and bats. She presented her work entitled, "ABC-B transporter genes of *Toxocara canis,*" during the poster sessions at the meeting. She received a $500 Young Investigator Travel Grant, an engraved plaque and a monetary award of $1000 provided by CAPC.

Congratulations to Jeba!

***Dr. Jeba Jesudoss Chelladurai~~,~~** was awarded the AAVP-CAPC Graduate Student Award in Zoonotic ~~disease~~Disease. Presenting the award is Lindsay Starkey (right) and Dwight Bowman (left).*

2018 AAVP William C. Campbell One-Health Award

*Presentation of the **William C. Campbell One Health Award** to Dr. J. P. Dubey at the 2018 AAVP conference in Denver, CO by Dan Zarlenga (left) and Lindsay Starkey (right),*

Dr. J. P. Dubey, of the Animal Parasitic Diseases Laboratory at the USDA, was selected as the inaugural recipient of the AAVP-William C. Campbell One-Health Award. This award recognizes and celebrates a remarkable veterinary parasitologist who has made extraordinary contributions to One Health, which is defined as the collaborative effort of multiple disciplines—working locally, nationally, and globally—to attain optimal health for people, animals, AND our environment. Dr. Dubey was instrumental in discovering the life cycles of *Toxoplasma gondii, Neospora caninum*, and *Sarcocystis neurona*. The Thomson/Institute for Scientific Information identified him as one of the world's most cited authors in plant and animal science for the decade that ended in 2003. Dr. Dubey received the U.S. Presidential Rank Award for his pioneering research on toxoplasmosis and related diseases. He is one of the first scientists promoted to Senior Scientific Research Service (SSRS), USDA (for which selection is by invitation only with the appointment approved by the Secretary of Agriculture). He was selected as the first recipient of the AAVP Distinguished Veterinary Parasitologist Award in 1985, elected to the U.S. National Academy of Sciences, Washington, D.C., in 2010, and in 2011 inducted to the USDA, ARS Hall of Fame. Dr. Dubey was able to share some of his fascinating history and insight with a room full of eagerly listening ears on Saturday afternoon in Denver. Dr. Dubey was honored with an engraved plaque and reimbursement for expenses necessary to attend the meeting.

Congratulations, Dr. Dubey, and thank you for your tremendous contributions to veterinary parasitology and One Health!

AAVP Young Investigator Travel Grants

For the 2018 Conference, AAVP selected the following 52 students to receive Young Investigator Travel Grants to attend the meeting in Denver, Colorado. Recipients received up to $500 to help offset expenses associated with attending the annual meeting. Congratulations to all of these recipients! Each student presented their abstract as part of the scientific program.

Student Name	University
Rachel Giorgio	Cornell University
Nikita Lakhani	Cornell University
Samantha Wesnak	Cornell University
Nina Zhu	Cornell University
Jeba Jesudoss Chelladurai	Iowa State University
Shivani Choudhary	Iowa State University
Kayla Wielgus	Lincoln Memorial University
Rachel Giorgio	Cornell University
Nikita Lakhani	Cornell University
Samantha Wesnak	Cornell University
Nina Zhu	Cornell University
Jeba Jesudoss Chelladurai	Iowa State University
Shivani Choudhary	Iowa State University
Kayla Wielgus	Lincoln Memorial University
Rachel Giorgio	Cornell University
Nikita Lakhani	Cornell University
Jernea Bustria	Ross University
Hilary Eisenbraun	Ross University
Kaitlyn Jonk	Ross University
Tae Kim	Texas A&M University
Kamilyah Miller	Tuskegee University
Camila Queiroz	University of Calgary
Tong Wang	University of Calgary
Justin Blair	University of Delaware
Rebecca Davis	University of Delaware
Anthony Pompetti	University of Delaware

Student Name	University
Jeff Gruntmeir	University of Florida
Jenna Bradner	University of Georgia
Erica Burkman	University of Georgia
James Collins	University of Georgia
Pablo David Jimenez Castro	University of Georgia
Kelsey Paras	University of Georgia
Julie Sanchez	University of Georgia
Sarah Sapp	University of Georgia
Molly Savadelis	University of Georgia
Rachel Imai	University of Guelph
Evelin Rejman	University of Guelph
Ryan Snyder	University of Guelph
Jennifer Cain	University of Kentucky
Charlotte Manvell	University of Kentucky
Jamie Norris	University of Kentucky
Jessica Scare	University of Kentucky
Marissa Brummett	University of Rhode Island
Bailey Chalut	University of Rhode Island
Émilie Bouchard	University of Saskatchewan
Eranga De Seram	University of Saskatchewan
Sawsan Ammar	University of Tennessee
Huma Naeem	University of Veterinary and Animal Sciences, Lahore, Pakistan
Mariam Bakshi	USDA-ARS
Carly Barone	USDA-ARS
Denzel Middleton	West Virginia University
Elizabeth Shepherd	West Virginia University

AAVP Student Chapter Travel Grants

AAVP selected the following 4 students to receive Chapter Delegate Travel Grants to attend the meeting in Denver, Colorado. Recipients received up to $500 to help offset expenses associated with attending the annual meeting. Congratulations to all of these recipients! Each student presented their chapter report as part of the student lunch activities.

Michaela Botts from the University of Guelph
Katelyn Hickman from Oklahoma State University
Rochelle Medford from the University of Georgia
Jessica Shrake from the Ohio State University

Recipients of AAVP Young Investigator Travel Grants for the 2018 Conference

AAVP Sponsored Student Chapter Seminar

In May, Dr. Cassan Pulaski provided a Heartworm Seminar to The Ohio State College of Veterinary Medicine. The Buckeye Parasitology Club and the Student Chapter of the American Heartworm Society invited her. Her seminar was digitally recorded so additional students in the next few years can review her seminar to learn more about heartworm disease, geographic prevalence and spread. Then Dr. Pulaski visited with the VMC Cardiology Service before returning home. The AAVP sponsored her travel expenses after the Buckeye Parasitology Club applied to the AAVP for speaker funding support. Dr. Pulaski's visit highlights one of the benefits available to AAVP student chapters which can apply for funding to help support invited speakers to their schools. Speakers should be junior or early career faculty who are also participating members of the AAVP.

Submitted by Michelle Carman and Antoinette Marsh

Bayer Best Student Paper Competition

35 students prepared and shared platform presentations as part of the best student paper competition in Denver in 2018.

Pablo Jimenez Castro (University of Georgia) was awarded 1st place and $500!
Ryan Snyder (University of Guelph) was awarded 2nd place and $300!
Rachel Imai (University of Guelph) was awarded 3rd place and $150!
Alexa Hunter (Oklahoma State University), **Jamie Norris** (University of Kentucky), **Camila Queiroz** (University of Calgary), **Julie Sanchez** (University of Georgia), and **Molly Savadelis** (University of Georgia) were awarded Honorable Mention and will receive free registration to the 2020 AAVP meeting!

Elanco Best Student Poster Competition

16 students prepared and shared poster presentations as part of the best student poster competition in Denver in 2018.

Bailey Chalut (University of Rhode Island) was awarded 1st place and $500!
Justin Blair (University of Delaware) was awarded 2nd place and $300!
Cassan Pulaski (Louisiana State University), **Jessica Shrake** (Ohio State University), and **Megan Wohltjen** (Oklahoma State University) were awarded Honorable Mention and will receive free registration to the 2020 AAVP meeting!

Our sincere thanks go out to the members of the 2017–2018 Awards Committee present at the meeting for their work with this significant part of our conference in order to provide evaluation and feedback for the student competition (Joe Camp, Alice Lee, Gui Verocai, Lindsay Starkey, Kelly Allen, Javier Garza, Mani Lejeune, Janice Liotta, Lisa Young, and Anne Zajac). Also, a huge thanks to Ashley McGrew who volunteered and served as an ad-hoc judge for the student competition this year.

Joint WAAVP 27th Conference / AAVP 64th Annual Meeting 2019 – Madison, WI

The American Association of Veterinary Parasitologists (AAVP) will hold its 64th Annual Meeting from July 7–11, 2019 in Madison, Wisconsin. This conference is sure to be exciting, stimulating, and diverse as it will be a joint meeting with the 27th Conference of the World Association for the Advancement of Veterinary Parasitology and the Livestock Insect Workers Conference (LIWC; 62nd Annual Meeting). Veterinary parasitologists and others from around the world will meet at the Monona Terrace Convention Center located in Madison, Wisconsin. Designed by Frank Lloyd Wright, the Monona Terrace is a convention center like no other featuring modern conference amenities along with a 68,000 square-foot rooftop garden overlooking Lake Monona in the heart of Madison. The Local Organizing Committee and the WAAVP conference partner, ICS, have the venue in order, the Scientific Committee is preparing for the submission of abstracts and we have placed our order for perfect summer weather for next July! Check out the website at www.WAAVP2019 for complete information on the meeting.

Make your plans early. Key dates and deadlines will occur earlier in the year compared to previous annual conferences. Important dates include:

Abstract submission opens:	**November 26, 2018**
Registration and Hotel Booking opens:	**November 26, 2018**
Abstract Submission Deadline:	**February 15, 2019**
Scholarship and Travel Grant Submission Deadline:	**February 15, 2019**
Early Bird Registration Deadline:	**April 26, 2019**

Students should take note of the significant difference in registration fees provided by early registration. Please check the website for all of the possible scholarship and travel support options that are available.

We will begin promptly at 1PM Sunday, 7 July at the Monona Terrace Convention Center on Lake Monona in downtown Madison. The Opening Ceremony will be a celebration of the rich heritage of the Upper Midwest and Wisconsin, and the educational legacy of Professor Arlie C. Todd, to whom the meeting is dedicated. The Keynote presentations with the theme of "Demystifying One Health: Sifting and Winnowing the Role of Veterinary Parasitology" by Professors Tammi Krecek, Peter Rabinowitz and Patricia Conrad will set the tone for the sessions to follow. There will be a Welcoming Reception Sunday evening sponsored by Bayer Animal Health on the Terrace of the venue, with beautiful views of the city and the lake.

Plenary sessions during the conference will address the topics of "Evolving Approaches to Drug Discovery", "Genes and Genomics in Parasite Control", "Leishmaniasis, Leishvet and One Health" and an evolving plenary yet to be titled. More to come.

Each day will start with a sponsored breakfast, followed by a plenary and concurrent sessions, interrupted by lunch sessions and daily opportunities for extended viewing of posters. The evenings will feature presentations by sponsors with information on the application of veterinary parasitology to the real world. For those who wish to experience Madison's vibe as a true outdoor venue and see the sights firsthand, there will be a Fun Run on Wednesday morning. Bring your shoes, we will provide the water bottles!

The Conference will come to a close on Thursday evening with a gala celebration at the nearby Overture Hall, an architecturally beautiful venue for great food, music and dancing.

Come early to play in the summertime of Wisconsin or stay after the meeting to enjoy the culture, food and the great scenery of the Midwest. Summer truly was invented as a way to enjoy Wisconsin.

Mason Reichard, AAVP President Elect and Conference Program Chair
Email: mason.reichard@okstate.edu

Future Parasitology Meetings

Future meetings of the AAVP

64th Meeting: 7-11 July 2019 – Madison, Wisconsin (joint meeting with WAAVP and LIWC)
65th Meeting: 20-23 June 2020 – Snowbird, Utah

Make plans to attend the 2020 AAVP Annual Meeting, June 20-23, 2020, at Snowbird, Utah!

The 65th Annual Meeting of the AAVP is shaping up to be one of the biggest and best, and in a gorgeous, easy-access location! The Snowbird Rresort, just outside of Salt Lake City, offers an ideal venue with a meeting room design perfect for our AAVP sessions. A wide variety of options for sleeping accommodations will also be available, with single rooms, suites or condos, sleeping up to 10. All of this and beautiful scenery and summer activities too! Mountain roller coaster, Alpine slide, tram rides, mountain biking, hiking, etc. Make plans to attend!

Conference of Research Workers in Animal Diseases (CRWAD) 2018

The 2018 CRWAD meeting will be December 1 – 4, 2018 at the Chicago Marriott, Downtown Magnificent Mile, Chicago, Illinois, USA. AAVP continues to support the best student competition in the parasitology section of the CRWAD meeting. http://crwad.org/

World Association for the Advancement of Veterinary Parasitology 2019

The 27th International Conference of the World Association for the Advancement of Veterinary Parasitology will be held at the Monona Terrace, Madison, Wisconsin, 7 – 11 July, 2019. http://www.waavp2019.com/#

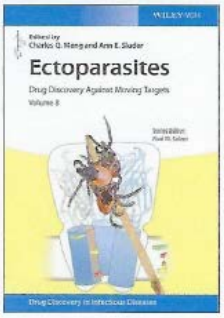
American Society of Tropical Medicine & Hygiene (ASTMH) 2019

The 68th annual meeting of ASTMH will be held November 20–24, 2019 at the Gaylord National Resort and Convention Center, National Harbor, Maryland, USA. http://www.astmh.org.

Parasitology Book Announcement

Ectoparasites – Drug Discovery Against Moving Targets

PARASITOLOGY



July 2010. 376 pages with 98 figures (57 in color) and 24 tables. Hardcover.
$ 205.00 € 149.00 £ 120.00
ISBN: 978-3-527-34168-9

Charles Q. Meng, Ann E. Sluder, A. E. (eds.)

Series 'Drug Discovery in Infectious Diseases' edited by Paul M. Selzer

Ectoparasites

Drug Discovery Against Moving Targets

This first book specifically dedicated to ectoparasite drug discovery is unique in providing insights from the veterinary as well as the medical perspective, covering research from both industry and academia while paving the way for new synergies between the two research communities.

Edited by a team combining 80 years of experience in academic research and industrial antiparasitic drug discovery, this volume of Drug Discovery in Infectious Diseases summarizes current knowledge in this rapidly expanding field. Comprehensive yet concise, this ready reference blends solid background information on ectoparasite biology with the very latest methods in ectoparasite drug discovery. Three major parts cover current ectoparasite control strategies and the threat of drug resistance, screening and drug evaluation, and the new isoxazoline class of ectoparasiticides. The future potential of mechanism-based approaches for repellents and parasiticides is thoroughly discussed, as are strategies for vaccines against ectoparasites, making the book ideal for parasitologists in academia as well as researchers working in the pharmaceutical industry.

Dr. Charles Q. Meng earned his PhD degree in Organic Chemistry from the University of Zurich in 1991. Upon completing postdoctoral research at Roche (Basel) and the University of Montreal he worked for Alkaloids Biopharmaceuticals (Winnipeg, Canada) on natural product drug discovery and development. In 1999 he joined Pharmacia & Upjohn's Alpharetta, Georgia on cardiovascular drug discovery. In 2007 Dr. Meng joined the pharmaceutical discovery and research group of Merial, a Sanofi company (then and part of Boehringer Ingelheim now), focusing on antiparasitic drug discovery for animal health. He is an inventor of 25 issued US patents and an author of over 30 publications of original research, reviews, commentaries and book chapters.

Dr. Ann E. Sluder earned a PhD in Biochemistry from Duke University in 1988 studying transcription biochemistry in *Drosophila melanogaster*. During postdoctoral studies at Harvard Medical School and Massachusetts General Hospital she initiated a research program focused on nuclear receptor transcription factors in the nematode *Caenorhabditis elegans*, which she expanded to include parasitic nematodes while an Assistant Professor of Cellular Biology at the University of Georgia. From 2000-2014 Dr. Sluder worked in drug discovery for antiparasitics, orphan neuromuscular diseases and viral and fungal infections at two biotechnology companies. In 2015 she joined the Vaccine and Immunotherapy Center of the Massachusetts General Hospital, managing preclinical development programs in infectious diseases, cancer, and diabetes.

WILEY-VCH

FROM THE CONTENTS

Part One: Strategies & Resistance

1. Comparison of Anti-Ectoparasite and Anti-Endoparasite Therapies and Control Strategies
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4. The Threat and Reality of Drug Resistance in Cattle Tick *Rhipicephalus (Boophilus) microplus*
5. Monitoring Drug Sensitivity in Cattle Ticks
6. New Developments in the Control of Human Lice

Part Two: Screens & Models

7. Molecular Targets to Impair Blood Meal Processing in Ticks
8. Whole-organism Screens for Ectoparasites
9. *In vitro* Feeding Methods for Hematophagus Arthropods and Their Application in Drug Discovery
10. Testing in Laboratory Animal Models for Ectoparasiticide Discovery and Development
11. Testing in Target Hosts for Ectoparasiticide Discovery and Development

Part Three: Isoxazolines

12. Isoxazolines: A Novel Chemotype Highly Effective on Ectoparasites
13. The Discovery of Afoxolaner: A New Ectoparasiticide for Dogs
14. Development of Afoxolaner as a New Ectoparasiticide for Dogs
15. Discovery, Development, and Commercialization of Sarolaner (Simparica®), A Novel Oral Isoxazoline Ectoparasiticide for Dogs
16. Isoxazolines: Preeminent Ectoparasiticides of the Early Twenty-first Century

The American Association of Veterinary Parasitologists

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The American Association of Veterinary Parasitologists Newsletter is published three times each year with issues in the winter, prior to the annual meeting and the fall. Contributions to the Newsletter are highly encouraged and should be submitted by the dates listed below.

AAVP Newsletter Deadlines for Submissions

Newsletter	Deadline
February 2019	January 15, 2019
June 2019	May 15, 2019
October 2019	September 15, 2019

Please contact the editor with questions regarding these dates.