Program Listing
2005 AAVP Meeting
Saturday July 16, 2005

11:00 AM-7:00 PM On site Registration. Room: Forum Foyer-Outside Ballroom.

9:00 AM-1:30 PM AAVP Executive Committee Meeting & Luncheon. Room: SATELLITES 6 & 7 (14TH FLOOR)

2:00-2:15 PM Opening Remarks. Room: North /Center Forum Ballroom. President: L. Mansfield; Vice President & Program Chair: D. Snyder


2:30 1 Veterinary parasitology through advertising—a history of 150 years. R. Roncalli *


3:00 2 Guidance Documents for Conducting Parasiticide Studies in the U.S. – Their Purpose and Intent. T. Letonja*

3:20 3 The Veterinary Antiparasitic Drug Approval Process - New Global Regulatory Issues, Initiatives, and VICH Guidance Documents. T. Letonja*

3:40 Roundtable: open discussion and questions

4:00-4:15 BREAK


4:30 5 Comparative proteome and transcriptome analysis of Perkinsus marinus derived from various culture conditions. A.A. DeRosa*, S.M. Casas, R.K. Cooper, J.F. La Peyre

4:45 6 Paper Withdrawn

5:00 7 First isolation and molecular characterization of Toxoplasma gondii from fattening pigs from São Paulo, Brazil. Solange Maria Gennari*, Cláudia B. De A. Santos, Angela C. F. B. Carvalho, Alessandra M. A. Ragozo, Lúcia E. O. Yai, Rodrigo M. Soares, Marcos Amaku, J. P. Dubey

5:15 8 Paper Withdrawn

5:30 9 Is the clonal population structure of Toxoplasma unique or generally true of tissue-cyst forming coccidia? Ingrid M. Asmundsson*, J.P. Dubey, Benjamin M. Rosenthal

5:45 10 Up-regulation of inflammatory, regulatory and Th1-immune markers in swine responding to acute Toxoplasma gondii infection. Sandra M. Nishi, Harry D. Dawson, Daniel Kuhar, J. P. Dubey, Joseph F. Urban, Joan K. Lunney*

6:00 Book signing-History of AAVP. By Author R. Roncalli. Location: Forum Foyer-Outside Ballroom.

7:00 - 9:00 PM DOME & HORIZONS (14TH FLOOR)

BAYER SPONSORED SOCIAL

Sunday July 17, 2005

Session IV. Room: North /Center Forum Ballroom
Topic: Student Presentations
Moderators: T. Kennedy, Anne Zajac

8:15  Intervet/AAVP Outstanding Graduate Student Talk-Alexa Rosypal


9:00  12 Serologic Detection of Angiostrongylus vasorum Infection In Dogs. I. Verzberger*, R.J.F. Markham, J. Sheppard, G. Conboy


9:30  14 A field trial on the effectiveness and benefit of Cydectin Long Acting Injectable and Ivomec injectable as used one time in grazing stocker calves. T. Yazwinski, C. Tucker, J. Powell*, P. Hornsby, S. Krumpelman, Z. Johnson.


10:00-10:30 BREAK

Session IV. Continued. Room: North /Center Forum Ballroom
Topic: Student Presentations
Moderators: Sara Marley, Ann Donoghue

10:30  16 Eimeria species in grazing beef heifers in Virginia. A. Lucas*, W.S. Swecker, G. Scaglia, D. S. Lindsay, A. M. Zajac

10:45  17 Experimental Cystoisospora canis (syn. Isospora canis) infections in beagles and mice. Sheila M. Mitchell*, Anne M. Zajac, Sam Charles, David S. Lindsay

11:00  18 Paper Withdrawn

11:15  19 Field Use of a Multiplex PCR Assay for the Differentiation of Strongyle Nematodes in Cattle. Aaron F. Harmon*, Dante S. Zarlenaga, Michael B. Hildreth


11:45  21 Alternate transmission mechanisms of a Virginia isolate of Leishmania infantum in experimentally infected beagles and mice. A.C. Rosypal*, G.C. Troy, A.M. Zajac, D.S. Lindsay

12:00-1:30 LUNCH

Sunday July 17, 2005 (continued)

Session V. Room: South Forum Ballroom
Topic: Protozoa (II)
Moderators: H. Lillehoj, Alvin Gajadhar

8:00  22 Investigation of cell-mediated and innate Immunity to 3 major Eimeria spp. using functional genomics. Hyun Lillehoj*, Rami Dalloul, Yeong Hong, Travis Bliss, Calvin Keeler, Imed Chouikha

8:30  24  Analysis of sequence diversity of ribosomal DNA (Rdna) Genes In Four Species Of Eimeria. Katarzyna B. Miska*, Patricia C. Allen

8:45  25  The Macrophage Inhibitory Factor (MIF) of poultry Eimeria. Katarzyna B. Miska*, Alisa Yu, Mark C. Jenkins, Hyun Lillehoj, Patricia C. Allen, Raymond H. Fetterer

9:00  26  Molecular prevalence of Anaplasma phagocytophilum in Wisconsin Deer and Deer Ticks. M. Erickson, R. Selle , C. Rosenfield, M.L. Michalski*.


9:30  28  Sarcocystis neurona-specific IgG monoclonal antibodies mediate protection against equine protozoal myeloencephalitis (EPM). Amy M. Koenigshof, Hany M. Elsheikh, Alice J. Murphy, Jon S. Patterson, Mary G. Rossano, Linda S. Mansfield*


10:00-10:30 BREAK

Session VI. Room: South Forum Ballroom
Topic: Genomics/Mode of Action
Moderators: Richard Martin, Robert Schenkel

10:30  30  PCR-based single-strand conformation polymorphism (SSCP) as an analytical and diagnostic tool for use on parasites. Alvin Gajadhar*, Florence Huby, Neil Chilton, Murray Lankester, Robin Gasser


11:00  32  Gene Expression in Filarial Third Stage Larvae is Altered by Host Location. S. R. Chirgwin, S. U. Coleman, T. R. Klei*

11:15  33  Cholinergic Anthelmintics I: Target site diversity and levamisole resistance.  R.J. Martin*, A.P. Robertson, C.L. Clark, S. Verma, H. Qian

11:30  34  Cholinergic Anthelmintics II: Paraherquamide and 2-desoxyparherquamide reveal the existence of three nAChR subtypes on Ascaris suum muscle at the single channel level. H. Qian*, A.P. Robertson, R.J. Martin


12:00-1:30-LUNCH

Sunday July 17, 2005 (continued)

Session VII. Room: North /Center Forum Ballroom
Topic: AAVP Symposium: Anthelmintic Resistance in Ruminants in the United States
Moderator: D.E. Snyder
1:30  36  Anthelmintic resistance in cattle: What does it look like and how do we know? G.A. Conder*, T.G. Geary
1:55  37  Possible Causes of Anthelmintic Resistance in Cattle Nematodes. Larry L. Smith*

2:20  38  Anthelmintic Resistance in Cattle nematodes - What do we need to know? Louis C. Gasbarre*, Larry L. Smith

2:45  39  Anthelmintic resistance: lessons to be learned from nematodes in small ruminants. Thomas M. Craig*

3:10  Roundtable Discussion

3:30-4:00  BREAK

Sunday July 17, 2005 (continued)

Session VIII. Room: North /Center Forum Ballroom
Topic: MERIAL SYMPOSIUM - Strategic Parasite Control – Benefits and Risks
Moderator: Steve Vandeberg

4:00 to 6:00
• Defining strategic parasite control and its expected benefits.
  Presented by Dr. James Hawkins.
• Strategic parasite control for beef cow/calf.
  Presented by Dr. Bert Stromberg.
  Risks associated with strategic parasite control.
Panel discussion.

7:00-9:00 P.M.  DOME & HORIZONS (14TH FLOOR)
MERIAL SPONSORED SOCIAL

Monday July 18, 2005

Session IX. Room: North /Center Forum Ballroom
Topic: Ruminants (I)
Moderators: Tom Yazwinski, A. F. Harmon

8:00  40  Total Anthelmintic Failure on a Meat Goat Farm in Arkansas, USA. Ray M. Kaplan*, Joan M. Burke, James R. Rocconi, Sue B. Howell

8:15  41  Efficacy of the CYDECTIN® (moxidectin) oral drench against adult and larval stages (L₄) of gastrointestinal nematodes in sheep. S. Ranjan*, E. Szewczyk, R. Search, R. Pollet, D. Amodie, R. Delay

8:30  42  The effectiveness of moxidectin long-acting injectable formulations when delivered to cattle in Arkansas at the levels of 0.75, 1.0 and 1.5 mg per kg of bodyweight. T.A. Yazwinski*, C.A. Tucker, Z. Johnson, J. Powell, P. Hornsby, S. Krumpelman, R. Delay

8:45  43  Persistent 120-day efficacy and dosage confirmation of eprinomectin in a long-acting injection (EpLAI) against adult and developing GI and/or pulmonary nematodes in cattle. S.E. Marley*, B. Kunkle, J.E. Holste, S.E. Green, S. Rehbein, S. Yoon, D. Romano, M.D. Soll

9:00  44  Avermectin resistance in an Ohio Beef cattle Herd. G.H. Myers*

9:15  45  Validation of genomic regions influencing nematode resistance in a Bos taurus X Bos indicus cross population. Magda V. Benavides, Flavio A. M Echevarria, Tad S. Sonstegard, Curtis P. Van Tassell, L.C. Gasbarre*

9:30  46  Identification of cattle nematode parasites resistant to multiple classes of anthelmintics in a commercial cattle population in the US. L.C. Gasbarre*, L.L. Smith, Patricia A. Pillit

Monday July 18, 2005 (continued)
9:45  47  Effect of single or combinational
drug treatment on EPG values in a
commercial cattle operation harboring
nematode parasites resistant to multiple
classes of anthelmintics. L. L. Smith, L.C.
Gasbarre*

10:00-10:30  BREAK

Session X. Room: South Forum
Ballroom
Topic:  Companion Animals/Horses (I)
Moderators: Doug Hutchens, R.Y. Gaji

8:00  48  Dose-confirmation studies of the
cestocidal activity of pyrantel pamoate paste
in horses. C.R. Reinemeyer*, D.E.
Hutchens, W.P. Eckblad, A.A. Marchiondo,
J.I. Shugart

8:15  49  Pyrantel pamoate paste (19.13%
w/w pyrantel base): clinical field efficacy
and safety against Anoplocephala spp. in
naturally-infected horses. A.A.
Marchiondo*, G.W. White, L.L. Smith, C.R.
Reinemeyer, J.J. Dascanio, E.G. Johnson,
J.I. Shugart

8:30  50  Use of pyrantel pamoate and
oxibendazole in combination for the
Treatment of equine strongyles. Ray M.
Kaplan, Erin Menigo, Julie Feibelman,
Leila Norat

8:45  51  Development of a New
Diflubenzuron (Dimilin) Equine Feed-thru
Larvicide to Control House Flies (Musca
domestica) and Stable Flies (Stomoxys
calcitrans) in Manure of Treated Horses.
Douglas H. Ross, Robert G. Pennington,
Thomas J. Kennedy*

9:00  52  Efficacy Evaluation of an Equine
Fly Repellent Product (Mosquito Halt)
Against Mosquitoes on Horses. William B.
Warner, Adalberto A. Pérez De León,
Thomas J. Kennedy*

9:15  53  Emergence of Larval
Cyathostominosis in Ontario Horses. A.S.
Peregrine*, D. Bienzle, B. McEwen, T.G.
Koch, J.S. Weese

9:30  54  In vitro activity of a plant-based
ear gel against Otoectes cynotis eggs. D.D.
Bowman, E.A. Fogarty, J.K. Ketzis

10:00-10:30  BREAK

Session XI. Room: North /Center
Forum Ballroom
Topic:  Ruminants (II)
Moderators:  C.R. Reinemeyer, A. Lucas

10:30  55  Evaluation of Individual or a
Combination of Anthelmintics in a
Commercial Cattle Population Where
Anthelmintic Resistant Parasites Had Been
Observed the Previous Year. Part I. L.L.
Smith*, L.C.Gasbarre

10:45  55  Evaluation of Individual or a
Combination of Anthelmintics in a
Commercial Cattle Population Where
Anthelmintic Resistant Parasites Had Been
Observed the Previous Year. Part II. L.L.
Smith*, L.C.Gasbarre

11:00  56  Identification by PCR of
Tritrichomonas foetus directly from bovine
smegma samples. J.D. Hoevers*, K. Barling

11:15  57  Effect of Halofuginone Lactate
on the Occurrence of Cryptosporidium
parvum in Neonatal Dairy Calves and on
Calf Performance. A.S. Peregrine*, K.E.
Leslie, B.D. Jarvie, L.A. Trotz-Williams,
M.M. Wallace, D.R. McKnight, C. Todd,
P.H. Sharpe

11:30  58  Paper Withdrawn

Monday July 18, 2005 (continued)

11:45  59  Paper Withdrawn
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<tr>
<td>12:00 – 1:30 PM</td>
<td><strong>AAVP GRADUATE STUDENT LUNCHEON/MIXER</strong>, Location: Satellites 6 &amp; 7 (14TH Floor)</td>
<td>12:00-1:30 LUNCH</td>
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<td>10:30</td>
<td><strong>Prevalence of <em>Giardia</em> in &quot;symptomatic&quot; dogs and cats throughout the United States as determined by the IDEXX SNAP® <em>Giardia</em> Test</strong></td>
<td>D.D. Bowman*, J.M. Scarlett, J. Garrett, L. Lorentzen</td>
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<td>10:45</td>
<td><strong>Diagnosis and treatment of naturally occurring <em>Tritrichomonas foetus</em> – induced chronic large-bowel diarrhea in a cat</strong></td>
<td>Heather D. Stockdale, Sarah A. Billeter, Christine C. Dykstra, G. Shane West, Jennifer A. Spencer, Byron L. Blagburn*</td>
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<td>11:00</td>
<td><strong>Efficacy of a cyphenothrin (Gokilaht®) squeeze-on against fleas, ticks and mosquitoes on dogs</strong></td>
<td>T. A. Miller*, M Sharp, L. Cruthers, L. Nouvel, J Adamson</td>
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<td>11:30</td>
<td><strong>Seroprevalence and transmission of <em>Anaplasma phagocytophilum</em> and/or <em>Borrelia burgdorferi</em> in felines and <em>Ixodes scapularis</em> ticks</strong></td>
<td>Sarah A Billeter, Jamie M. Butler, Tracey M. Land, Giane R. Paludo, Heather D. Stockdale, Jennifer A. Spencer*, Brenda Griffin, Christine C. Dykstra, Byron L. Blagburn</td>
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<td>1:30 to 2:30</td>
<td><strong>AAVP BUSINESS MEETING</strong></td>
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<td>2:30 to 3:30</td>
<td><strong>AAVP AWARDS/PICTURES</strong></td>
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<td>3:30 to 4:00</td>
<td><strong>BREAK</strong></td>
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<td>4:00 to 4:30</td>
<td><strong>PRESIDENTIAL ADDRESS-Linda Mansfield</strong></td>
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<tr>
<td>4:30 to 5:00</td>
<td><strong>ROUNDTABLE DISCUSSION – THE FUTURE OF AAVP- Moderator: Linda Mansfield</strong></td>
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<td>5:00</td>
<td><strong>BREAK to move to Roundtable discussions</strong></td>
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| 5:15 to 6:30 | **Session XIII. Room: North /Center Forum Ballroom** Topic: *Ruminant Nematode Resistance Roundtable** | **Moderators: Lou Gasbarre, Larry Smith** 
**General Topics:**
- What did we learn at this meeting?
- What questions do we still have?
• What should be done next?
• Who should be involved in conducting these next steps?

Session XIV. Room: South Forum Ballroom
Topic: Companion Animal Roundtable
Moderators: John McCall, Pat Payne

5:15 to 6:30

General Topics:
• Issues/Questions raised during the meeting
• Issues/Questions on companion animal parasites and parasiticides

7:00-9:00 P.M. DOME & HORIZONS (14TH FLOOR)

NOVARTIS ANIMAL HEALTH SPONSORED SOCIAL

Tuesday July 19, 2005

Session XV. AAVP/AVMA PRESIDENT’S SYMPOSIUM
Room: L100IJ; Convention Center
Topic: Drug Resistance in Parasites: Mechanisms and strategies for rational veterinary drug use for treatment of parasitic infections
Moderator: Linda Mansfield

8:00 to 8:45 AM 66 Resistance mechanisms in Coccidians. John R. Barta*

8:45 to 9:30 AM 67 Resistance mechanisms in Giardia. Merle E. Olson*

BREAK 9:30: - 10:00 AM

10:00 to 10:45 AM 68 Drug resistance in helminth parasites: Concepts, perspectives and lessons learned. Ray Kaplan*

10:45 to 11:30 AM 69 Chemotherapy for parasites in the face of drug resistance. Tim Geary*

11:30 to Noon Panel Discussion