AAAP Symposium
Enteric Disease in Poultry: Recent Advances in Characterization, Diagnosis, and Control.

AAAP Scientific Program includes 121 oral presentations and 82 poster presentations

THE AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS promotes scientific knowledge to enhance the health, well-being, and productivity of poultry to provide safe and abundant food for the world.

San Diego, CA
August 4-7, 2012
Please Thank Our
2012 AAAP Program Sponsors

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- Pfizer Animal Health Global Poultry

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AAAP Representatives to AVMA

AVMA Animal Agriculture Liaison
Robert D. Evans 2013
Sara T. Steinlage 2012 (Alternate)

AVMA Animal Welfare Committee
Jose A. Linares 2013
Robert M. Williams 2013 (Alternate)

AVMA Clinical Practitioners Advisory Committee
Danny L. Magee 2015
Hector M. Cervantes 2015 (Alternate)

AVMA Committee for Disaster and Emergency Issues
Jo Anna Quinn 2013

AVMA Convention Management and Program Committee
Richard P. Chin 2012
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AVMA Food Safety Advisory Committee
Suzanne Y. Dougherty 2015
Charles L. Hofacre 2013 (Alternate)

AVMA House of Delegates
Y. M. Saif 2012
Gregg J. Cutler 2012 (Alternate)

AVMA Legislative Advisory Committee
Gregg J. Cutler 2015
Bruce Stewart-Brown 2013 (Alternate)

AVMA Steering Committee on FDA Policy on Veterinary Oversight of Antimicrobials
Charles L. Hofacre 2013

AAAP Representatives to Allied Organizations

Council for Agriculture Science and Technology (CAST)
Robert D. Evans 2013

Professional Animal Auditor Certification Organization (PAACO)
James T. Barton 2013
Kenton S. Kreager 2012
David R. Hermes 2014

United States Animal Health Association (USAHA)
Transmissible Diseases of Poultry and Other Avian Species
Julie D. Helm, Chair
Marion Garcia, Vice Chair

Animal Agriculture Coalition (AAC)
Gregg J. Cutler

AAAP Foundation Committee Chairs

Awards
Calvin L. Keeler 2014

Poultry Scholarship
Frederic J. Hoerr

Kenneth Eskelund Preceptorship
Charles S. Roney
### AAAP Constitutional Committee Chairs

<table>
<thead>
<tr>
<th>Committee</th>
<th>Chair</th>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>Auditing</td>
<td>Linnea J. Newman</td>
<td>2012</td>
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<tr>
<td>Nominating</td>
<td>Frederic J. Hoerr</td>
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<tr>
<td>Resolutions</td>
<td>Frederic J. Hoerr</td>
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### AAAP Task Force Committee Chairs

<table>
<thead>
<tr>
<th>Committee</th>
<th>Chair</th>
<th>Year</th>
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<tbody>
<tr>
<td>Animal Welfare and Management Practices</td>
<td>Kate Barger</td>
<td>2012</td>
</tr>
<tr>
<td>Biologics</td>
<td>Joan S. Schrader</td>
<td>2015</td>
</tr>
<tr>
<td>Diseases of Public Health Significance</td>
<td>Frank W. Pierson</td>
<td>2013</td>
</tr>
<tr>
<td>Drugs and Therapeutics</td>
<td>Barry J. Kelly</td>
<td>2014</td>
</tr>
<tr>
<td>Education</td>
<td>Aneg Lucia Cortes</td>
<td>2013</td>
</tr>
<tr>
<td>Electronic Information</td>
<td>Timothy J. Johnson</td>
<td>2013</td>
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<tr>
<td>Enteric Diseases</td>
<td>Michael Day</td>
<td>2012</td>
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<tr>
<td>Epidemiology</td>
<td>David E. Zellner</td>
<td>2012</td>
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<tr>
<td>Food Safety</td>
<td>James A. Byrd</td>
<td>2013</td>
</tr>
<tr>
<td>History of Avian Medicine</td>
<td>Robert L. Owen</td>
<td>2013</td>
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<tr>
<td>Legislative Advisory</td>
<td>Gregg J. Cutler</td>
<td>2013</td>
</tr>
<tr>
<td>Membership</td>
<td>Andrea S. Zedek</td>
<td>2012</td>
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<tr>
<td>Program Advisory</td>
<td>Richard P. Chin</td>
<td>2012</td>
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<tr>
<td>Respiratory Diseases</td>
<td>Maricarmen Garcia</td>
<td>2012</td>
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<tr>
<td>Research Priorities</td>
<td>John A. Smith</td>
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<tr>
<td>Tumor Virus</td>
<td>Arun R. Pandiri</td>
<td>2012</td>
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<tr>
<td>Toxic, Infectious, Miscellaneous and Emerging Diseases</td>
<td>Mariano Salem</td>
<td>2012</td>
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### AAAP Interest Group Chairs

<table>
<thead>
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<th>Interest Group</th>
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<tbody>
<tr>
<td>Histopathology/Case Report Interest Group</td>
<td>H.L. Shivaprasad</td>
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### AAAP Publication Board Chairs

<table>
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<td>Jagdev M. Sharma</td>
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<tr>
<td>Avian Histopathology Manual Board</td>
<td>Oscar J. Fletcher</td>
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<tr>
<td>Biosecurity Manual Board</td>
<td>Robert L. Owen</td>
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<tr>
<td>Diseases of Poultry Editorial Board</td>
<td>David E. Swayne</td>
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<tr>
<td>Isolation of Avian Pathogens Manual Board</td>
<td>Louise Dufour-Zavala</td>
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### AAAP Task Force Committee Chairs

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<td>Meeting Date</td>
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<tr>
<td><strong>AAAP Board of Directors Meetings</strong></td>
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<tr>
<td>AAAP Board of Directors</td>
<td>Thursday, August 27</td>
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<td>AAAP Board of Directors</td>
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<td><strong>Past Presidents Luncheon</strong></td>
<td>Monday, August 6</td>
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<td><strong>Board of Directors Meetings</strong></td>
<td>Tuesday, August 7</td>
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<td>Histopathology/Case Report Interest Group</td>
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<td>Awards Committee</td>
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<td>Avian Diseases Manual Editorial Board</td>
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<td>Isolation, Identification Manual Editorial Board</td>
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<td>Friday, August 3</td>
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<td>ACPV Exam #2</td>
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<td>ACPV Board of Governors Meeting</td>
<td>Sunday, August 5</td>
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<tr>
<td>ACPV Reception/Annual Meeting</td>
<td>Monday, August 6</td>
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<tr>
<td><strong>Association of Veterinarians in Broiler Production</strong></td>
<td>Friday, August 3</td>
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<tr>
<td><strong>Association of Veterinarians in Turkey Production</strong></td>
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<tr>
<td>University of Minnesota Center For Animal Health and Food Safety</td>
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<td>Georgia MAM Alumni Breakfast</td>
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<td><strong>Association of Poultry Primary Breeder Veterinarians</strong></td>
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<tr>
<td><strong>Association of Veterinarians in Egg Production</strong></td>
<td>Sunday, August 5</td>
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<tr>
<td>NC State University Poultry Health Management</td>
<td>Monday, August 6</td>
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</table>
Saturday, August 4, 2012 (7:50AM – 12:30PM)
AAAP Symposium
**Enteric Disease in Poultry: Recent Advances in Characterization, Diagnosis, and Control.**
San Diego Convention Center, Room 29ABCD

Saturday, August 4, 2012 (1:00PM – 5:30PM)
**AAAP Committee Meetings**
San Diego Marriott Marquis & Marina

Saturday, August 4, 2012 (5:30PM – 6:30PM)
**AAAP New Member Meet and Greet**
AAAP Members are invited to welcome new members
San Diego Marriott Marquis & Marina

Sunday-Tuesday, August 5-7, 2012 (8:00AM – 5:00PM)
**AAAP Scientific Program**
San Diego Convention Center, Rooms 29AB and 29CD

Sunday, August 5, 2012 (9:55AM – 10:00AM)
**WVPA Young Poultry Veterinarian Award**
Sponsored by Pfizer Animal Health
San Diego Convention Center, Room 29AB

Sunday, August 5, 2012 (10:00AM – 10:30AM)
**Keynote Speaker:**
*Technology and Feeding the World*
Todd Armstrong
*Elanco Animal Health, Indianapolis, IN.*
San Diego Convention Center, Room 29AB

Sunday, August 5, 2012 (12:30PM – 2:30PM)
**AAAP Awards Luncheon**
Hilton San Diego Bayfront, Indigo Ballroom

Monday, August 6, 2012 (10:30AM – 12:00PM)
**AAAP Business Meeting**
San Diego Convention Center, Rooms 29AB

Monday, August 6, 2012 (4:00PM – 5:15PM)
**Wine & Cheese Social in Poster Room**
Poster Presenters will be present at their posters during this time.
San Diego Convention Center, Poster Rooms 30ABC

The designated AAAP hotel is the San Diego Marriott Marquis & Marina

**San Diego Marriott Marquis & Marina**
333 West Harbor Drive
San Diego, CA 92101

The Marriott Marquis and Marina is positioned on the waterfront in scenic San Diego, Calif. This property is adjacent to the San Diego Convention Center, Seaport Village and the historic Gaslamp Quarter.

The 2012 AAAP/AVMA Annual Convention will be held at the:  
**San Diego Convention Center**
111 W. Harbor Drive
San Diego, CA. 92101

The Convention Center is situated along sparkling San Diego Bay in vibrant Downtown San Diego just a 10 minute taxi ride from the airport.

The 2012 AAAP Awards Luncheon will be held at:
**Hilton San Diego Bayfront**
One Park Blvd.
San Diego, CA 92101

The Hilton San Diego Bayfront hotel is the West Coast's newest waterfront hotel. Fusing a dynamic waterfront location, sun and sea-inspired design and casually sophisticated vibe, the Hilton San Diego Bayfront hotel offers an immersion into the essence of San Diego’s unique coastal culture and lifestyle. The hotel is adjacent to the San Diego Convention Center, across the street from PETCO Park, home of the San Diego Padres.
AAAP Symposium

Enteric Disease in Poultry:
Recent Advances in Characterization, Diagnosis, and Control.

Saturday, August 4, 2012 (7:50AM – 12:30PM)
Rooms 29 ABCD

7:50 – 8:00 AM  Introductions & Welcome
Michael Day, ARS/USDA Southeast Poultry Research Laboratory, Athens, GA.

8:00 – 8:30 AM  Current Enteric Health Status of US Broiler Chickens.
John Smith, Fieldale Farms Corporation, Baldwin, GA.

8:30 – 9:00 AM  Current Enteric Health Status of Commercial Turkeys in the United States.
David Rives, Prestage Farms Inc., Clinton, NC.

9:00 – 9:30 AM  The Role of a Novel Astrovirus in Runting and Stunting Syndrome.
Holly Sellers, Poultry Diagnostic And Research Center, Department of Population Health, The University of Georgia, Athens, GA.

9:30 – 10:00 AM  Bacterial Relationships in Enteric Disease.

10:00-10:30 AM  Break

10:30 – 11:00 AM  Global Comparisons of the Avian Transcriptional Responses Against Three Eimeria Species, E. acervulina, E. maxima and E. tenella.
Hyun Soon Lillehoj, and Duk Kyung Kim, Animal Parasitic Diseases Laboratory, Animal and Natural Resources Institute, Beltsville Agricultural Research Center, United States Department of Agriculture, Agricultural Research Service, Beltsville, MD.

11:00 – 11:30 AM  The Effect of Enteric Health on Systemic Disease.
Julia Dibner, Frances Yan, Christopher Knight, Novus International, Inc., St. Charles, MO.

Management and Intestinal Health Factors Influencing Caloric Efficiency.
Robert G. Teeter¹, Ali Beker¹, Linnea Newman² and Charles Broussard², ¹Department Of Animal Science, Oklahoma State University, Stillwater, OK, ²Merck Animal Health, Athens, GA.

12:00 – 12:30 PM  An Overview of Pathology of the Intestine in Poultry.
H. L. Shivaprasad- California Animal Health and Food Safety Laboratory System, University of California, Davis, CA.

12:30 PM  Adjourn
### Room 29 AB

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Case Reports (1)</th>
<th>Immunology</th>
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</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>If Not Infectious Laryngotracheitis, Then What is it? (Case Report).</td>
<td>Travis A. Cigainero, Director of Veterinary Services – West, Pilgrim’s Pride, Pittsburg, TX.</td>
<td>Decay of Passively Transferred Antibodies Delivered Via in Ovo Injection. Blayne M. Mozisek, Scott A. Callison, Anne L. Hurley-Bacon, Charles Hofacre, University of Georgia, Poultry Diagnostic and Research Center, Athens, GA.</td>
</tr>
<tr>
<td>8:15 AM</td>
<td>Northern Fowl Mites in Broiler Breeders in U.S. Poultry Industry. (Case Report).</td>
<td>David French, Elanco Animal Health, Bogart, GA.</td>
<td>Macrophage Function as a Predictor of Resistance to Coronavirus Associated Illness in B Haplotype Defined Chicks. Ellen Collisson, Yvonne Drechsler, Ghida Banat, Lisa Griggs, Suzana Tkalcic, Renee Kopulos, W.E. Briles and Maisie Dawes, College of Veterinary Medicine, Western University of Health Science Pomona, CA.</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Industry Interventions to Control MS in a High Prevalence Zone. (Case Report).</td>
<td>Louise Dufour-Zavala, Ben Johnson, Naola Ferguson-Noel, Georgia Poultry Laboratory Network, Oakwood, GA.</td>
<td>TLRs and Cytokine Profile of Chicken B Cell Added with Yeast-Derviate Carbohydrates. Harold Echeverry, Alexander Yitbarek, Mohammadali Alizadehsadraneshpour, Peris Mynyaka, Bogdan Slominski, Juan C. Rodriguez-Lecompte, University of Manitoba, Winnipeg, Canada.</td>
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<tr>
<td>9:30 AM</td>
<td>Break</td>
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<tr>
<td>9:55 AM</td>
<td>WVPA Young Poultry Veterinarian Award Sponsored by Pfizer Animal Health</td>
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<tr>
<td>10:00 AM</td>
<td>Keynote Speaker: Technology and Feeding the World Todd A. Armstrong Elanco Animal Health, Indianapolis, IN.</td>
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### Room 29 CD

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<tr>
<th>Time</th>
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<th>Marek’s Disease</th>
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<tbody>
<tr>
<td>10:45 AM</td>
<td>Gasiing for Air: A Case Report. Sue A. Hubbard and Floyd D. Wilson, Mississippi State University College of Veterinary Medicine, Poultry Research &amp; Diagnostic Lab, Pearl, MS.</td>
<td>Role of Alveolar Macrophages in Dissemination of Marek’s Disease Virus from Lungs to Lymphoid Organs. Mohammad Heidari, USDA-ARS-Avian Disease &amp; Oncology Laboratory, East Lansing, MI.</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Imidacloprid Toxicity in Turkey Poultls. Kabel M. Robbins Butterball, LLC, Ozark, AR.</td>
<td>Large Subunit of the Ribonucleotide Reductase Gene is a Virulent Factor and Plays a Critical Role in Marek’s Disease Virus Pathogenesis. Lucy F. Lee, Aijun Sun, Mohammad Heidari, Robert F. Silva, Blanca Lupiani, and Sanjay M. Reddy, USDA, Avian Disease and Oncology Lab, East Lansing, MI.</td>
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<tr>
<td>Time</td>
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<tr>
<td>11:15 AM</td>
<td>Insecticide-Associated Transient Paralysis in Five-to-Eight-Day-Old Broiler Chickens. (Case Report). Douglas A. Anderson, Georgia Poultry Laboratory Network, Oakwood, GA.</td>
<td>Gene Detection, Virus Isolation and Sequence Analysis of Avian Leukosis Viruses in Taiwan Country Chickens. Ching-Ho Wang, Shu-Wei Chang, School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan.</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>AAAP Awards Luncheon Lunch served at 12:30 PM Hilton San Diego Bayfront</td>
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<tr>
<td>Time</td>
<td>Topic</td>
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<tr>
<td>9:15 AM</td>
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<td>9:30 AM</td>
<td>Break</td>
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<tr>
<td>10:00 AM</td>
<td>Lasher-Eckroade History Lecture: The History of DNA Biotechnology in the Poultry Industry</td>
<td>Dr. Calvin Keeler</td>
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<tr>
<td>10:30 AM</td>
<td>AAAP Business Meeting</td>
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<tr>
<td>12:00 PM</td>
<td>Lunch Break</td>
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<tr>
<td>1:30 PM</td>
<td>Growth, Performance and Metabolic Parameters of Broilers Vaccinated with COCCIVAC-B™; COCCIVAC-B52™.</td>
<td>Robert G. Teeter, A. Beker, K. Judd, K. Harris, C. Carroway, J. Schrader, L. Newman, C. Broussard, <em>Oklahoma State University, Stillwater, OK.</em></td>
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<tr>
<td>Time</td>
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<tr>
<td>2:15PM</td>
<td>Vaccination and Pathogenesis Studies in Ducks Using Vietnam H5N1 HPAI Viruses. RaMi Cha, Diane Smith, Eric Shepherd, Ruben Donis, Thanh Long To, Tung Nguyen, David L. Suarez, and Mary Pantin-Jackwood, Southeast Poultry Research Laboratory, Exotic and Emerging Avian Viral Diseases Unit. USDA-Agricultural Research Service, Athens, GA.</td>
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<td>2:30PM</td>
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<td>3:00PM</td>
<td>Field Observations from Different Coccidiosis Management Strategies in Broilers Raised without Antibiotic Growth Promotants (AGP’s) – A Field Trial. Suzanne Dougherty, Ken Opengart, Linnea Newman, Charlie Broussard, Marilyn Finklin, Greg Mathis, Keystone Foods Llc, Huntsville, AL.</td>
<td>A Higher Frequency of Amino Acid Mutations in the Hemagglutinin During Serial Passage of a Chicken Isolate in Comparison to a Wild Bird Isolate in Waterfowl Indicates a Stronger Selection Process During Serial Passage. Callie Ridenour, Les Jones, Mark Tompkins, Ralph Tripp, Egbert Mundt, Poultry Diagnostic And Research Center, The University of Georgia, Athens, GA.</td>
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<tr>
<td>3:15PM</td>
<td>Experimental Irradiated Oocysts Vaccine: Development and Preliminary Evaluation. Raymond H. Fetterer, Mark C. Jenkins, Animal Parasitic Diseases Laboratory, Animal &amp; Natural Resources Institute, USDA/ARS, Beltsville, MD.</td>
<td>Pathogenesis of Asian H5N1 Avian Influenza Virus Strains with Truncated NS1 Gene and Polybasic HA Cleavage Amino Acid Sequence in Chickens. Samadhan J. Jadhao, Jamie Wasilenko, David Suarez and Mary Pantin-Jackwood, Southeast Poultry Research Laboratory, USDA-ARS, Athens, GA.</td>
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<tr>
<td>4:00PM</td>
<td>Wine &amp; Cheese Social Poster Rooms 30ABC</td>
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| 8:00 AM| **Moderator**: Greg Mathis  
**Evaluation of Control Measures for Clostridial Dermatitis.**  
David V. Rives  
Prestage Farms, Inc., Clinton, NC.  
**Characterization of Several Viruses Associated with Enteritis and Enteropathy (Rutting Stunting Syndrome) in Broilers.**  
Milos Markis, John K. Rosenberger, Sandra C. Rosenberger, Robin W. Morgan and John Elattrache, Aviserve LLC, Newark, DE.                                                                                           | **Moderator**: H. L. Shivaprasad  
**Reed Rumsey Award* Evidence that a Novel Chicken Astrovirus is Involved in RSS Pathogenesis in Commercial Broilers.**  
Kyung-il Kang*, Holly S. Sellers, Erich Linneman, Alan H. Icard, Egbert Mundt, Poultry Diagnostic and Research Center, Department of Population Health, The University of Georgia, Athens, GA. |
| 8:15 AM| **Effects of Coccidial Infection in the Development of Cellulitis in Turkeys.**  
Anil J. Thachil and Kakambi V. Nagaraja, University Of Minnesota, St. Paul, MN.  
**Development of Recombinant Vaccines Against Chicken Parvovirus.**  
Stephen J. Spatz and Laszlo Zsak, Southeast Poultry Laboratory, Athens, GA.                                                                                                                            |                                                                                                                                                                                                                                 |
| 8:30 AM| **Use of an Early Clostridium perfringens Oral Challenge to Protect Against a Clostridium septicum Challenge in a Repeatable Model Creating Significant Clostridium Dermatitis Mortality in Turkeys.**  
Sam M. Hendrix, Stephen W. Davis, Colorado Quality Research, Inc., Wellington, CO.  
**Several Cases of Transmissible Proventriculitis in Commercial Grandparent Broiler Breeders.**  
Bret Rings, Fred Hoerr, Jim Guy, Scott Gustín, Cobb-vantress, Inc., Siloam Springs, AR.                                                                                                                    |                                                                                                                                                                                                                                 |
| 8:45 AM| **Identification and Cloning of Two Immunogenic Clostridium Perfringens Proteins, Elongation Factor Tu and Pyruvate:Formate Dehydrogenase of C. Perfringens.**  
Hyun S. Liliehoj, Kyungwoo Lee, Seung-I. Jang, Sung-Hyen Lee, Dong-Jun An, Erik P. Liliehoj , ARS-USDA, Beltsville, MD.  
**Detection of Chicken Proventricular Necrosis Virus by Reverse Transcriptase-PCR in Chickens from Venezuela.**  
| 9:00 AM| **The Use of an on Farm Biochemical Profile for Poultry in the Diagnosis and Treatment of Metabolic Disorders.**  
Daniel Venne, and Younés Chorfi, Couvoir Scott ltée, Scott, Quebec, Canada.  
**The Prevalence and Impact of Enteric Viruses of Commercial Turkeys in the Southeast United States.**  
| 9:15 AM| **Development and Characterization of Mouse Monoclonal Antibodies Reactive with Chicken CD83.**  
Sung-Hyun Lee, Hyun S. Liliehoj, Seung-Ik Jang, Kyung-Woo Lee, Cynthia Baldwin, Dannielle Tompkins, Bettina Wagner, Emilio Del-Cacho, Erik P. Liliehoj, ARS-USDA, Beltsville, MD.  
**The Use of an on Farm Biochemical Profile for Poultry in the Diagnosis and Treatment of Metabolic Disorders.**  
Daniel Venne, and Younés Chorfi, Couvoir Scott ltée, Scott, Quebec, Canada.                                                                                                                                   |                                                                                                                                                                                                                                 |
| 9:30 AM| **Break**                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                 |
| 10:00 AM| **Tissue Residue Depletion of Albendazole in Chickens.**  
Timothy S. Cummings, Lloyd Bennett, Mississippi State University, Pearl, MS.  
**Turkey Astroivirus Capsid Protein Induces Electrophysiological Changes in the Intestinal Epithelium.**  
Prashant Nighot, Rizwana A. Ali, Lindsey Moser, Pam Freiden, Stacey Schultz-Cherry, Anthony T. Bilskiger, Matthew D. Koci, North Carolina State University, Raleigh, NC.                                         |                                                                                                                                                                                                                                 |
| 10:15 AM| **Role of Hygromycin B as an Anthelmintic in Poultry.**  
**Avidulent Turkey Hemorrhagic Enteritis Virus Detected in Spleens of Asymptomatic Naked Neck Broilers.**  
Jocelyn A. Romano, Melissa A. West, Kabel Robbins, and James S. Guy, North Carolina State University College of Veterinary Medicine Department of Population Health and Pathobiology, Raleigh, NC. |                                                                                                                                                                                                                                 |
| 10:30 AM| **Common Causes of Laying Hen Mortality.**  
Richard M. Fulton, Diagnostic Center for Population and Animal Health, Michigan State University, Lansing, MI.  
**Molecular Characterization of Avianpox Viruses Using Formalin Fixed Tissue Sections.**  
Deoki N. Tripathy, Bahaa Fadl-Alla and Arun Kulkarni, University Of Illinois, Urbana, IL.                                                                                                                        |                                                                                                                                                                                                                                 |
| 10:45 AM| **Using Lean Six Sigma to Improve Hatch in a Commercial Hatchery.**  
Robinette A. Gilbert, Thomas D. Baker, Elanco Animal Health, Indianapolis, IN.  
**Characterization of the S2 Gene Sequences of Infectious Bronchitis Virus Isolate CA/1737/04 from Backyard Flocks and Broilers.**  
Arun B. Kulkarni, Georgia Poultry Laboratory, Oakwood, GA.                                                                                                                                          |                                                                                                                                                                                                                                 |
| 11:00 AM| **Data Mining and Analytics-Based Decision Making in Today's Data-Driven Poultry Industry.**  
**Characterization of Nephropathogenic Infectious Bronchitis Virus from Delmarva Broiler Chickens-2011.**  
Jack Gelb, Jr., Brian Ladman, Conrad Pope, Miguel Ruano, Erin Brannick, and Daniel Bautista, University Of Delaware, Newark, DE.                                                                                       |                                                                                                                                                                                                                                 |
| 11:15 AM| **An Outbreak of Neuropetropic Reovirus Infection in Broiler Chickens.**  
Guillerma Zavala, Elena Behnke, Oscar Fletcher, Susan M. Williams, Holly Sellers, Sunny Cheng, and Louise Dufour-Zavala, Department of Population Health, Poultry Diagnostic And Research Center, The University of Georgia, Athens, GA.  
**Ciliostasis as a Measure of Cross-Protection Using a Multivalent Vaccine Against IBV.**  
Mark W. Jackwood, Deborah A. Hilt, Susan M. Williams, Ruud Hein, University of Georgia, Athens, GA.                                                                                                        |                                                                                                                                                                                                                                 |
## Tuesday, August 7, 2012 (continued)

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<th>Room 29 AB</th>
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| **11:30 AM**                                                              | Development and Evaluation of Recombinant Adenovirus Encoding the IBV S1 Protein.  
  Impact of Newcastle Disease Vaccination Programs on Metabolic Parameters and Broiler Performance.  
  Robert G. Teeter, K. Judd, C. Carroway, K. Harris, A. Beker J. Schrader, A. Malo and C. Broussard, Department of Animal Science, Oklahoma State University, Stillwater, OK.  
  Haroldo Toro, Rodrigo A. Gallardo, Franciscas Arias, Vicky L. van Santen, Frederik W. van Ginkel, Jian Feng Zhang, Kellye S. Joiner, Department of Pathobiology, College of Veterinary Medicine, Auburn University, Auburn, AL. |
| **11:45 AM**                                                              | Characterization of Hemagglutination Activity of Infectious Bronchitis Virus and Cell-Associated Hemadsorption Activity of Baculovirus Expressed S1 Glycoprotein.  
  Transmissible Viral Proventriculitis Associated with Running Stunting Syndrome in Broiler Chickens.  
  Hui-Wen Chen, Ching-Ho Wang, School of Medicine, University of California, San Diego, CA. |
| **12:00 PM**                                                              | Lunch                                                                     |
| Topic                                                                     | Layers, Salmonella (1)                                                    | Infectious Bursal Disease (1) |
| Moderator                                                                 | Rocio Crespo                                                             | Daral Jackwood |
| **1:00 PM**                                                               | Historical, Spatial and Temporal Epidemiology of Very Virulent Infectious Bursal Disease (vvIBD) in California: A Retrospective Study 2008-2011.  
  Prophylactic Measures (LT) in Layers from the Bastos Region, State of São Paulo, Brazil.  
  Masaio Mizuno Ishizuka, Fernando Gomes Buchala, Luis Antonio Mathias, John Robert Glisson, Maricarmen Garcia, Guillermo Zavala, Faculty of Veterinary Medicine & Animal Sciences of The University of São Paulo, Brazil.  
  Maurice Pitesky, Kristina Cataline, Mike Poulos, Gregory Ramos, Beate Crossley, Peter Woolcock, Daral Jackwood, Johnny Tran, and Bruce Charlton, California Department of Food and Agriculture, Sacramento, CA. |
| **1:15 PM**                                                               | Infectious Bursal Disease Virus Segment A & B Analysis in California Poultry Operations.  
  The Good, the Bad and the Ugly: FDA Egg Safety Rule/FDA on-Farm Audits.  
  Mark C. Bland, Cutler Associates, Moorpark, CA.  
  Molecular and Pathogenic Investigation of Reassortant Very Virulent Infectious Bursal Disease Virus in California, United States.  
  Simone T. Stout, Daral Jackwood, Susan E. Somner-Wagner, Beate M. Crossley, Peter R. Woolcock and Bruce R. Charlton, Food Animal Health Research Program, Ohio Agricultural Research and Development Center, The Ohio State University, Wooster, OH. |
| **1:30 PM**                                                               | Salmonella Control in Poultry Using Vaccination.  
  S. Lemiere and E. Montiel, Merial SAS, Lyon, France.  
  Comparison of Three Rapid Methods for the Detection of Salmonella enteritidis in Poultry Environmental Samples.  
  Douglas Waltman, Georgia Poultry Laboratory Network, Oakwood, GA.  
  Phylogenetic Analysis of Infectious Bursal Diseases Virus in South Brazil.  
  Richard B. Rimler Award* Development of A Novel In Vivo Assay to Differentiate Antigenic Variations Among Infectious Bursal Disease Viruses.  
  Comparison of Two Salmonella enteritidis Bacterins that Vary in SefD Content in Laying Hens.  
  Roxana Sanchez-Ingunza, Jean Guard, U. S. Department of Agriculture, Agricultural Research Service, Athens, GA.  
  Demonstration of Canadian Isolates of ”Variant” Infectious Bursal Disease Virus Crossing the Maternal Antibody Barrier and Causing Severe Bursal Atrophy in Commercial Broilers.  
  Luizinho Caron, Paulo Augusto Esteves, Alessandra D’Avila, Iara Maria Trevizol, Livia Munhoz, Liana Brentano, Embrapa Swine & Poultry, Concórdia, SC, Brasil.  
  Richard B. Rimler Award* Development of A Novel In Vivo Assay to Differentiate Antigenic Variations Among Infectious Bursal Disease Viruses.  
  Comparison of Three Rapid Methods for the Detection of Salmonella enteritidis in Poultry Environmental Samples.  
  Douglas Waltman, Georgia Poultry Laboratory Network, Oakwood, GA.  
  Molecular and Biological Characterization of IBDV Strains Causing Subclinical Infection in Broilers.  
  Richard B. Rimler Award* Development of A Novel In Vivo Assay to Differentiate Antigenic Variations Among Infectious Bursal Disease Viruses.  
  Development and Evaluation of Recombinant Adenovirus Encoding the IBV S1 Protein.  
  Haroldo Toro, Rodrigo A. Gallardo, Franciscas Arias, Vicky L. van Santen, Frederik W. van Ginkel, Jian Feng Zhang, Kellye S. Joiner, Department of Pathobiology, College of Veterinary Medicine, Auburn University, Auburn, AL.  
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  Hui-Wen Chen, Ching-Ho Wang, School of Medicine, University of California, San Diego, CA.  
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  Characterization of Hemagglutination Activity of Infectious Bronchitis Virus and Cell-Associated Hemadsorption Activity of Baculovirus Expressed S1 Glycoprotein.  
  Hui-Wen Chen, Ching-Ho Wang, School of Medicine, University of California, San Diego, CA. |
| **2:00 PM**                                                               | Effect of Feeding Systems and Vaccination Programs on Salmonella enteritidis Colonization and Clearance of E. coli in Broiler Breeder Pullets.  
  Enrique Montiel, Jeanna Wilson, Jeff Buhr, Nelson Cox, Beverly McClendon, Diana Bourassa and Jessica Spickler, Merial Select, Inc., Gainesville, GA.  
  Phylogenetic Analysis of Infectious Bursal Diseases Virus in South Brazil.  
  Luizinho Caron, Paulo Augusto Esteves, Alessandra D’Avila, Iara Maria Trevizol, Livia Munhoz, Liana Brentano, Embrapa Swine & Poultry, Concórdia, SC, Brasil. |
| **2:15 PM**                                                               | Comparison of Three Rapid Methods for the Detection of Salmonella enteritidis in Poultry Environmental Samples.  
  Douglas Waltman, Georgia Poultry Laboratory Network, Oakwood, GA.  
  Molecular and Biological Characterization of IBDV Strains Causing Subclinical Infection in Broilers.  
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<p>| <strong>2:30 PM</strong>                                                               | Break                                                                     |
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<tr>
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<tr>
<td>3:00 PM</td>
<td>Efficacy of Chemical Interventions for Reducing Salmonella on Raw Turkey Parts used in Ground Turkey Production.</td>
<td>Robert O'Connor, Foster Farms, Livingston, CA.</td>
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<td>3:30 PM</td>
<td>Construction and Evaluation of Live Attenuated Salmonella Gallinarum Vaccines for Prevention of Fowl Typhoid.</td>
<td>Arindam Mitra, Roy Curtiss III and Kenneth L. Roland, Center For Infectious Diseases and Vaccinology, The Biodesign Institute, Arizona State University, Tempe, AZ.</td>
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<td>3:45 PM</td>
<td>Practical Testing and Understanding of ESBL (Extended Spectrum Beta lactamase) E.coli in Poultry.</td>
<td>Kate Barger, Andre Derkx, Gemma Griffiths, Cobb-vantress, Inc, Siloam Springs, AR.</td>
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<td>4:30 PM</td>
<td>Practical Animal Welfare and Biosecurity for Backyard Flocks.</td>
<td>Patricia S. Wakenell, Daniel Wilson, Manny Benitez, Purdue University ADDL, West Lafayette, IN.</td>
</tr>
</tbody>
</table>
AAAP Poster Session

**Avian Influenza**

A Survey of Hemagglutinating Viruses from Sparrows in the Province of Buenos Aires, Argentina.


Commercial Layer Peritonitis: Comparison of Commensal and Pathogenic 
E. coli in Poultry Flock Owners.

Preventing Avian Influenza Through Non-Traditional Methods of Disseminating Biosecurity Information to Small-Scale Poultry Flock Owners.

Development of an Adenovirus-based Avian Influenza DNA Vaccine.

Y Zootecnia De Aves, FMVZ, UNAM, circuito Exterior, Ciudad Universitaria, 04510, Mexico.

Prevention of SPF turkeys with a Recombinant HVT Expressing the HA from H5N1 Highly Pathogenic Avian Influenza Protects Against Lethal Challenge.

Northbird Poultry Research Laboratory, United States Department of Agriculture, Athens, GA.

Targeted Surveillance of Avian Influenza in Wild Birds of Puerto Viejo Wetlands using Domestic Ducks (Cairina Moschata) as Sentinels.

Wild Bird Surveillance for the Avian Influenza Virus in Korea, 2007-2009 and Characterization of Isolates with Short Neuraminidase Stalk.

In-Pil Mo, Seong-Hwan Byun, Jeong-Hwa Shin, Jong-Min Kim, Jung-Hyun Kim, College of Veterinary Medicine, Chungbuk National University, Cheongju, Republic of Korea.

Characterization of H10 Subtype Avian Influenza Viruses Isolated from Wild Birds in South Korea.

Hye-Ryoung Kim, Jae-Ku Oem, O-Soo Lee, and You-Chan Bae, Animal, Plant and Fisheries Quarantine and Inspection Agency, Manangu, Anyangsi, Gyeonggido, Republic of Korea.

**Bacteriology**

Acute Septicemia Caused by Streptococcus pasteurius in Turkey Poult.

Donna Saumya S. Wijetunge, Patty Dunn, Eva Wallner-Pendleton, Subhashinie Kariyawasam, Department of Veterinary and Biomedical Sciences, The Pennsylvania State University, University Park, PA.

Changes in Antibiotic Resistance of Ornithobacterium rhinotracheale Isolates.

Kakambi V. Nagaraja and Anil J Thachil, College of Veterinary Medicine, University of Minnesota, Saint Paul, MN.

A Retrospective Field Study of the Sensitivity of E. coli to Enrofloxacin After a Treatment with Quinoloxin.

Charles Facon, Jean Luc Guerin, Labovet Conseil, Les Herbiers, France.

Characterization of Escherichia coli Strains Isolated from Laying Hens in Mexico.

Cecilia Rosario Cortes, Maritza Tamayo Salmoran, Departamento De Medicina Y Zootecnia De Aves, FMVZ, UNAM, circuito Exterior, Ciudad Universitaria, 04510, Coyoacon, Mexico, D.F.

Commercial Layer Peritonitis: Comparison of Commensal and Pathogenic 
E. coli from Adult Hens.


Evaluation of an Experimental Infection Model for Layer Peritonitis Caused by Avian Pathogenic Escherichia coli.

Atul A. Chaudhari and Subhashinie Kariyawasam, The Pennsylvania State University, University Park, PA.

Identification of E. coli Isolates in Latin America (Field Study 2011).

Maritza Tamayo, Rosario Cecilia, Barbosa Taylor, Pfizer Animal Health, Mexico City, Mexico.

Role of Acid Tolerance in the Selection of Avian Pathogenic Escherichia coli in Poultry.

Linda K. Nolan, Catherine M. Logue and Capricia Thompson, Iowa State University, Ames, IA.

Prevalence and Characteristics of Intimin-producing Escherichia coli strains isolated from Healthy Chickens Korea.

Jae-Young Oh, Min-Su Kang, Byung-Ki An, Eun-Gyung Shin, Mi-Jin Kim, Young-Jong Kim, and Yong-Kuk Kwon, Avian Disease Division, Animal, Plant and Fisheries Quarantine and Inspection Agency, Anyang, Gyeonggi, Republic of Korea.

Isolation and Characterization of Bacteriophages for Salmonella gallinarum.

Haan-Woo Sung, Minjeong Kim, JinHwa Lee, HyukMoo Kwon, Kangwon National University, Chuncheon, Republic of Korea.

Molecular Analysis of Salmonella enteriditis Associated with Peritonitis in Laying Hens.

Catherine M. Logue, Melika Budimlic, Timothy S. Frana, Darrell W Trampel, Iowa State University, Ames, IA.

Evaluation of Inactivated Oil-Adjuvant Vaccine Against Riemerella anatipestifer Serotype 1 and 7 Field Isolates.

Jong-Bo Shim, Ho-Keun Won, Mi-Jeong Han and In-Pil Mo, Choongang Vaccine Laboratories, Daejeon, Republic of Korea.

Survey of Infectious Coryza and MG/MS Coinfection in Avian Species.

Lanping Li, Alicia Wise, Michael R. Luther, Allan Fulmar, and Frederic J. Hoer, Alabama Department of Agriculture and Industries, Thompson Bishop Sparks State Diagnostic Laboratory, Auburn, AL.

Vulnerance of NAD-Independent, Serovar C-1 of Avibacterium paragallinarum from Mexico.


The Complete Genome Sequence and Genetic Analysis of phiCA82 a Novel Uncultured Microphage from the Turkey Gastrointestinal System.

Laszlo Zsak, J. Michael Day, Brian B. Oakley and Bruce S. Seal, Southeast Poultry Research Laboratory, Agricultural Research Service, United States Department of Agriculture, Athens, GA.

Clostridium

Efficacy Evaluation of 4 Different C. perfringens Recombinant Antigens Plus MontanideTM ISA 71 VG for Immunization Against Necrotic Enteritis in Broiler Chickens.


Gene Expression Analysis of Host Immune Responses in Broiler Chickens with Gangrenous Dermatitis.

Hyun S. Lillehoj, Duk Kyung Kim, Kyung Woo Lee, and Gregory R. Siragusa, Animal Parasitic Diseases Laboratory, ANRI, USDA-ARS, Beltsville, MD.
Clostridium continued

Molecular Characterization of Podoviridae Bacteriophages Virulent for Clostridium perfringens and Comparison of Their Predicted Lytic Proteins.
Bruce S. Seal, Nikolay V. Volzhanetzky, Brian B. Oakley, Cesar A. Morales, Johnna K. Garrish, Edward A. Svetoch, Gregory R. Siragusa, Poultry Microbiological Safety Research Unit, Agricultural Research Service, USDA, Athens, GA.

Diagnostics

A Comparison of USDA Licensed MG/MS ELISA Kits from Three Manufacturers.
Brenda P. Gidewell, Drew W. Carter, Dr. Louise Dufour-Zavala, Georgia Poultry Laboratory Network, Oakwood, GA.

Early Detection of Avian Pathogens using Multiplexed Fluorometric Immunossay (MFIA™) in Specific Pathogen Free (SPF) Flocks.
Nastassja Ortega-Heinly, Theodore Girshick, Charles River, Storrs, CT.

Serological Surveillance to Mycoplasma synoviae, Avian Influenza, Avian Paramyxovirus Type 1 (PMVA - 1) and Avian Metapneumovirus in Backyard Turkeys Around Lima.
Rosa González, Eliana Icochea, Pablo Reyna, Jhon Guzman, College of Veterinary Medicine, University of San Marcos, Lima, Peru.

Food Safety

Comparison of Campylobacter spp. Subtypes Recovered from Integrated Broiler Production and Processing Operations.
Kelli L. Hiett, Cesar. A. Morales, J. Eric Line, R. Jeff Buhr, and Bruce S. Seal, USDA ARS Poultry Microbiological Safety Research Unit, Athens, GA.

Application of Bacteriophages for Control of Foodborne Salmonellosis at Chicken Slaughterhouse.
Byoung-Yoon Kim, Dong-Hun Lee, Myeong-Seob Kim, Jun-Hyuk Jung, Yu-Na Lee, Jae-Keun Park, Seong-Su Yuk, Joong-Bok Lee, Seung-Yong Park, In-Soo Choi, and Chang-Seon Song, Avian Disease Laboratory, College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea.

Detection of Antibodies Against Salmonella Minnesota by Plate Agglutination Test.
Maria P. Vejarano, Luiz Sesti, Edson Savano, Jorge Pimentel, Jorge L. Chacón, Ceva, Campinas, Brazil.

Emergence of a Monophasic Salmonella ( 8,20:-:26) in Georgia Poultry.
Selena York, Georgia Poultry Laboratory Network, Oakwood, GA.

Estimation of the Prevalence of Salmonella Species on the Slatted Area Compared to the Scratch Area of Broiler Breeder Chicken Houses.
Elena Behnke, Charles Hofacre, Roy Berghaus, Centurion Poultry, Inc., Lexington, GA.

Genetic and Phenotypic Characterization of Salmonella Enteritidis Isolated From Commercial Broiler Processing in NE Georgia.
Karen A. Liljeblom, John A. Cason, Kimberley D. Ingram, Rufus Clinkcales III, Arthur Hinton Jr, Faculty of Veterinary Medicine, University of Calgary, Alberta, Canada.

Genetic Relatedness of Salmonella Enteritidis Isolated from Poultry House Environment and Eggs.
Thomas N. Denagamage, Bhushan M. Jayarao, and Subhashini Karyawasam, Department of Veterinary and Biomedical Sciences, The Pennsylvania State University, University Park, PA.

Fungus

Avian Aspergillosis In Six Weeks Old Commercial Layer Pullets: Case Report.

Infectious Bronchitis Virus

Comparing of Three Doses of a Commercial Vaccine against Infectious Bronchitis in Broilers Chickens.
Pablo Reyna, Eliana Icochea, Rosa González, Jhon Guzman, and Julio Alvan College of Veterinary Medicine, University of San Marcos, Lima, Peru.

Cytokine inducing Potential in Chicken Embryo Kidney Cells Following IB Virus Infection.
Hye-Sun Jang, Eun-Ok Jeon, Hae-Rim Lee, Bon-Sang Koo, In-Pil Mo, Avian Disease Laboratory, Department of Veterinary Medicine, Chungbuk National University, Cheongju, Republic of Korea.

Detection of Avian Gammacoronaviruses in Wild Birds in the USA.

Further Examination of Genetic Basis for Distinct Behaviors of Different ArkDPI-derived Infectious Bronchitis Virus Vaccines.
Vicky L. van Santen, Eunice N. Ndegwa, Rodrigo A. Gallardo, Haroldo Toro, Department of Pathobiology, College of Veterinary Medicine, Auburn University, AL.

Infectious Bronchitis Virus Challenge Model using Diethylstilbestrol Treated Immature Hens.
Junhyuk Jang, Myeong-Seob Kim, Byoung-yoon Kim, Dong-Hun Lee, Yu-Na Lee, Jae-Keun Park, Seong-Su Yuk, Joong-Bok Lee, Seung-Yong Park, In-Soo Choi, Chang-Seon Song, Avian Disease Laboratory, College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea.

Molecular Characterization of Infectious Bronchitis Viruses Isolated in Korea.
Hyuk-Moo Kwon, Jae-Eun Song, Haan-Woo Sung, Department of Veterinary Microbiology, College of Veterinary Medicine, Kangwon National University, Chuncheon, Republic of Korea.

Mucosal Immunity Elicited by Recombinant Adenovirus Expressing IBV S1.
Rodrigo A. Gallardo, JianFeng Zhang, Francisca Arias, Cassandra J. Breedlove, Frederic W. van Ginkel, Haroldo Toro Department of Pathobiology, Auburn University, College of Veterinary Medicine, Auburn, AL.

Persistence of Ark-DPI Vaccine Virus in Broilers and Genetic Analysis of Virus Subpopulation.
Ha-Jung Roh, Deborah A. Hilt, Mark W. Jackwood, The University of Georgia, Athens, GA.

Site Direct Point Mutation of Infectious Bronchitis Virus S1 Protein reflect Different Hemagglutination Activity.
You Hsin Lin, Hui Wen Chen, Ching Ho Wang, School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan.

Development and Field Evaluation of a Multiplex Real-Time RT-PCR Assay for Detecting Arkansas Infectious Bronchitis Virus.
Brian S. Ladman, Lauren A. Preskenis, Marcy Murphy, Miguel Ruano, Brenda F. Sample, Daniel A. Bautista, and Jack Gelb, Jr., Avian Biosciences Center, Department of Animal and Food Sciences, University of Delaware, Newark, DE.

Infectious Bursal Disease Virus

Infectious Bursal Disease Virus Large Segment Gene in DNA Vaccination Against Infectious Bursal Disease.
Ching-Chi Wu, Ming Kun Hsieh, Tsung Wei Feng, Tsang Long Lin, Department of Comparative Pathobiology, Purdue University, West Lafayette, IN.

Infectious Bursal Disease Virus; Challenge Situation in Latin America 2011 (Field Study).
Maritza Tamayo, Taylor Barbosa, Liz Turpin, Pfizer Animal Health Mexico City, México.
Infectious Bursal Disease Virus continued

Molecular Assessment of a Vector HVT-IBDV Vaccine (VAXXITEK® HVT+IBD) Intake After Hatchery Vaccination.
Francisco Perozo, Rafael Fernandez, Stephane Lemiere, University of Zulia Veterinary College. Maracaibo, Zulia, Venezuela.

Pathways of Fas/FasL and Perforin as Important Mechanisms of T Cell-Mediated Cytotoxicity in Infectious Bursal Disease Virus Infected Chickens.
Abdul Rauf, Mahesh Khatri, Maria V. Murgia and Yehia M. Saif, The Ohio State University, Wooster, OH.

Laryngotracheitis

A Recent Outbreak of Infectious Laryngotracheitis in Layer Chickens in Minas Gerais, Brazil.
Roselene Ecco, Ingrid S. Preis, Juliana V. Fortes, Nelson Rodrigo S. Martins, Escola De Veterinaria, Universidade Federal De Minas Gerais (UFMG), Belo Horizonte Minas Gerais, Brazil.

A Serological Study of ILTV Using ELISA In Backyard and Commercial Chickens in Mississippi Prior to Vaccination.
Kelli H. Jones, Alejandro Banda, Gwenllian Slacum, Mississippi State University, College of Veterinary Medicine, Poultry Research And Diagnostic Laboratory, Pearl, MS.

Attenuation of an ILTV Field Strain in Primary Tissue Culture and In Vivo Studies
Victor A. Palomino, Guillermo Zavala, Sunny Cheng, and Maricarmen Garcia, The University of Georgia, Athens, GA.

Comparative Efficacy and Duration of Immunity Study of Fowl Laryngotracheitis Vectored Vaccines in Commercial Layers.
Sandra C. Rosenberger, John K. Rosenberger, Milos Markis, Kristi Moore-Dorsey and Alecia Godoy, Aiserv LLC, Newark, DE.

Histomorphometric Studies of the Kinetics of Inflammatory Response of Tracheas to Vaccine Challenges or Natural Infections with Infectious Laryngotracheitis.
Floyd D. Wilson, Erin G. Riley, Armando Miranda, Philip A. Stayer and Alejandro Banda, Poultry Research & Diagnostic Laboratory, College of Veterinary Medicine, Mississippi State University, Pearl, MS.

Infectious laryngotracheitis virus (ILTV) Specific Glycoproteins ELISAs to Detect Sero-Conversion in Recombinant Viral Vector Vaccinated Chickens.
Maricarmen Garcia, Melissa Martinez, Sylva M Riblet, Alice Mundt, Victor Palomino, Guillermo Zavala, University of Georgia, Athens, GA.

Laboratory Monitoring of Young Broiler Flocks During a Vaccinal Infectious Laryngotracheitis Outbreak.
Danny L. Magee, Alejandro Banda, Floyd D. Wilson, Mississippi State University College of Veterinary Medicine, Poultry Research & Diagnostic Lab, Pearl, MS.

Metapneumovirus

Local Mucosal Immune Responses in Turkeys Following Exposure to Avian Metapneumovirus Subtype C (aMPV/C).
Ra Mi Cha, Mahesh Khatri, Jagdev M. Sharma and Laszlo Zsak, SEPRL, ARS, USDA, Athens, GA.

Retrospective Serological Survey against Avian Metapneumovirus in Chickens during 2006-2011.
Jeom Ju Kim, Hae Rim Lee and In Pil, Department of Veterinary Medicine, Graduate School, Chungbuk National University, Cheongju City, Chungbuk, Republic of Korea.

Mycoplasma

Mycoplasma gallisepticum in Poultry and House Finches: Phylogeny and Evolution of Virulence.
David H. Ley, Department of Population Health And Pathobiology, College of Veterinary Medicine, North Carolina State University, Raleigh, NC.

Mycoplasma synoviae, More Independent Than You Think.
Victoria A. Laibinis, Naola M. Ferguson-Noel, University of Georgia, Athens, GA.

Newcastle Disease Virus

A Single Amino Acid Change Q114R in Cleavage Site Sequence of Newcastle Disease Virus Fusion Protein Attenuates Viral Replication and Pathogenicity.
Sweety Samal, Sachin Kumar, Sunil K. Khattar, Siba K. Samal, VA-MD Regional College of Veterinary Medicine, University of Maryland, College Park, MD.

Clinical and Pathologic Characterization of West African Newcastle Disease Viruses.
Megan E.B. Jones, Giovanni Cattoli, Stivilas Cardenas Garcia, Patti J. Miller, Claudio L. Afonso, Corrie C. Brown, Department of Pathology, College of Veterinary Medicine, University of Georgia, Athens, GA.

Onset of Immunity in Commercial Turkeys Vaccinated with a Vectored Newcastle Vaccine.
Alecia Godoy, John K. Rosenberg, Sandra Rosenberg, Kristi Dorsey and John El-Attrache, CEVA Biomune Company, Lenexa, KS.

Parasitology

Reed Rumsey Award*
Field Treatment and Diagnostic Trials of Hadjelia truncata in Pigeons.
Julie M. Kelly*, C. Gabriel Senties-Cué, Bruce R. Charlton, Richard W. Gerhold, Tiffany J. Santoro, California Animal Health And Food Safety Laboratory, University of California-Davis, Turlock, CA.

Processing

Improved Carcass Yield Using Dimethylglycine (DMG)Taminizer-D *, in Broiler Production.
Ariel M. Ortiz, José T. Ortega-Sánchez, Juan G. del-Rio, Miguel M. Carmona, Medero José A, Facultad De Estudios Superiores-cuautitlan, UNAM, Mexico, México.

Production

Can we Predict Biosecurity Compliance with Personality Traits?
Manon Racicot, Daniel Venne, André Durivage, Jean-Pierre Vaillancourt, Canadian Food Inspection Agency, Montreal, Quebec, Canada.

Epidemiological Analysis of Biosecurity Practices and Associated Prevalence of Diseases in Non-Commercial Poultry Flocks
Jennifer M. Madsen, Nathaniel L. Tablante, Jennifer Timmons, and Nick Zimmermann, University of Maryland, College Park, MD.

Effect of a Commercial Yeast Culture Feed Supplement in a Transport Stress/Escherichia coli Respiratory Challenge of Turkeys.
Production (continued)

The Case Studies of the Chickens with Specific Liver Lesions in the Layer Farms.
Hae-Rim Lee, Bon-Sang Koo, Hye-Sun Jang, Eun-Ok Jeon, In-Pil Mo, Avian Disease Laboratory, Department of Veterinary Medicine, Chungbuk National University, Cheongju, Republic of Korea.

The Probiotic Escherichia coli Nissle 1917 Enhances Early Gastrointestinal Maturation in Young Turkey Poult.

Tumor Viruses

A Visceral Lymphoma Outbreak in Layer Breeders Previously Infected with Reticuloendotheliosis Virus Integrated into Fowlpox Virus.
Bonsang. S. Koo, H. R. Lee, E. O. Jeon, H. S. Jang and I. P. Mo, Avian Disease Laboratory, College of Veterinary Medicine, Chungbuk National University, Cheongju, Republic of Korea.

Virology

Antigenic and Molecular Analysis of Avian Reoviruses Field Isolates.
Holly Sellers, Erich Linnemann, and Vanessa Gauthiersloan, Poultry Diagnostic And Research Center, Department of Population Health, The University of Georgia, Athens, GA.

In Vivo and in Vitro Characterization of Avian Neurotropic Reovirus.
Sunny Cheng and Guillermo Zavala, Department of Population Health, Poultry Diagnostic And Research Center, The University of Georgia, Athens, GA.

Diagnosis and Serological Characterization of Turkey Reovirus Field Strains in Pennsylvania.
Huaguang Lu and Patty Dunn, Animal Diagnostic Laboratory, Department of Veterinary and Biomedical Sciences, Pennsylvania State University, University Park, PA.

Effect of Coronavirus Infection on Reproductive Performance of Turkey Breeder Hens.
Chang Won Lee, Olusegun Awe, Maria Murgia, Abdul Rauf, Ahmed Ali, Yehia M. Salf, Department of Food Animal Health Research Program, Ohio Agricultural Research And Development Center, The Ohio State University, Columbus, OH.

Pathogenicity and Immunogenicity of High-Passage Turkey Coronavirus.
Tsang Long Lin, Yi-Ning Chen, Ching Ching Wu, Thomas Bryan, Tom Hooper, Donna Schrader, Department of Comparative Pathobiology, Purdue University, West Lafayette, IN.

Evidence of Infection and Molecular Characterization of Avian Hepatitis E Viruses in Chickens from Korea.
Hyuk-Moo Kwon, Haan-Woo Sung, Jae-Eun Song, Ga-Eun Ham, Department of Veterinary Microbiology, College of Veterinary Medicine, Kangwon National University, Chuncheon, Gangwon, Republic of Korea.

Molecular Characterization of the Chicken Anemia Virus Isolated from Broiler and Broiler Breeder Chickens in Alabama.
Lanqing Li, Michael R. Luther, Alicia Wise, Frederic J. Hoerr, Alabama Department of Agriculture And Industries, Thompson Bishop Sparks State Diagnostic Laboratory, Auburn, AL.

Use of a Novel RT-PCR Assay to Detect Picobirnavirus in Poultry Intestinal Samples Collected from the Field.
James Michael Day, Laura W. Ferguson, Laszlo Zsak, Southeast Poultry Research Laboratory, USDA/ARS, Athens, GA.

Virus Surveillance in Bobwhite Quails from the Rolling Plains of Texas and Oklahoma, USA.
Pamela J. Ferro, Owais Khan, Christine Vuong, Sanjay M. Reddy, Lloyd LaCoste, Dale Rollins, and Blanca Lupiani, College of Veterinary Medicine & Biomedical Science, Texas A&M University, College Station, TX.
Future Convention Sites

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<th>Year</th>
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<tr>
<td>2013</td>
<td>July 20 - 23</td>
<td>Chicago, IL</td>
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<td>2014</td>
<td>July 26 - 29</td>
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<td>2015</td>
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<td>2016</td>
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Other Meetings of Interest


The American Association of Avian Pathologists promotes scientific knowledge to enhance the health, well-being, and productivity of poultry to provide safe and abundant food for the world.