7:50  G. Senties-Cué  Welcome; Opening Remarks
8:00  Fred Hoerr  Invited Speaker: Challenges and the future of diagnostics in poultry medicine
8:45  Rachel Jude  Development of diagnostic multiplex real-time PCRs for the detection of MG, MS, and ILT in chickens
9:00  David Sierra  Development of a rapid quartz crystal microbalance-based salmonella detection system: preliminary laboratory results
9:15  José Linares  Evaluation of IBV immunization and the use of diagnostics to elucidate respiratory issues in vaccinated broilers: a case study
9:30  Dan Domingo  Detection of new infectious bronchitis virus variants in the US and Europe using ProfILX IBV AB ELISA
9:45  BREAK: 9:45 AM - 10:15 AM

10:15  Fred Leung  Invited Speaker: Next generation sequencing in poultry disease diagnostics
11:00  Jia Xue  Serological investigation of Mycoplasma synoviae infection in China during 2010-2015
11:15  Ruwani Karunarathna  Increased incidence of Enterococcus isolations from non-viable chicken embryos in Western Canadian hatcheries and efficacy of bacterial identification by matrix assisted laser desorption ionization time-of-flight mass spectrometry
11:30  Michael Angelichio  Evaluation of a real-time PCR test for detection of influenza virus RNA
11:45  H.L. Shivprasad  Poultry disease diagnostic services in California

LUNCH: 12:00 PM - 1:30 PM

1:30  Nathaniel Tablante  Preventing avian influenza outbreaks: back to the basics
1:45  Amos Ssematimba  Using the 2015 Minnesota HSN2 HPAI outbreak mortality data to estimate the adequate contact rate within turkey flocks
2:00  Rüdiger Hauck  Persistence of high and low pathogenic avian influenza in footbath and poultry manure
2:15  Jamie Umber  Risk of a poultry flock becoming infected with HPAI-virus due to garbage management
2:30  Celina Buscaglia  Avian influenza: a retrospective study in Argentina
2:45  Jihui Jin  Contribution of HN protein length diversity to Newcastle disease virus virulence, replication, and biological activities
3:00  POSTER VIEWING & BREAK: 3:00 PM - 3:30 PM

1:30  Xiaohui Yu  Roles of the envelope-associated and polymerase-associated protein genes in Newcastle disease virus virulence
1:45  Ana Paula da Silva  Major histocompatibility complex and genetic resistance to infectious bronchitis virus
4:00  Kallen Cookson  A comparison of 45-week serology and IBV Arkansas protection in flocks receiving different commercial SE bacterins
4:15  Khawaja Ashfaque Ahmad  Modified live infectious bursal disease virus vaccine rather than herpesvirus turkey-IBDV vectored vaccine delays variant IBDV pathogenesis in neonatal broilers
4:30  Patricia Wakenell  ILT in commercial broilers housed in "layer land": scenario, strategies and suggestions
4:45  Celina Buscaglia  In Argentina, some Marek’s disease vaccines may be contaminated with chicken infectious anemia virus
5:00  WPDC BUSINESS MEETING
6:00  WELCOME RECEPTION

TOPIC: Nutritional, Reovirus

TUESDAY, MARCH 21, 2017

8:00  Carol Cordona  Dr. Arnold S. Rosenwald Lecture: The precarious balance between disease prevention and poultry production.
8:45  Holly Sellers  A multiyear analysis of avian adenoviruses from clinical cases of IBH
9:00  Simone Stoute  Acute inclusion body hepatitis outbreak in commercial broilers in California
9:15  Ashish Gupta  Broiler breeder vaccination with combination of fowl adenovirus (FAdV)-8b and FAdV-11 induces broad-spectrum protection against IBH
9:30  Gwenllian Slacum  Seroprevalence of chicken astrovirus group B associated with “White Chick” disease in broiler breeders in the US and Canada
9:45  POSTER VIEWING & BREAK: 9:45 AM - 10:15 AM

**All poster presenters to be available at their posters for discussion**

10:15  Alfonso Mineles  Invited speaker: Challenges in nutrition of organic poultry flocks
11:00  H.L. Shivprasad  Pathology of variant reovirus infections in California broiler chickens
11:15  Lisanework Ayalew  Study of pathogenicity of emerging avian reovirus variants isolated from broiler flocks
11:30  Arun Kulkarni  The genomic constellation of the 8 gene segments from recent reovirus isolates associated with viral arthritis and runting-stunting cases in Georgia

11:45  Rodrigo Gallardo  Molecular epidemiology of reoviruses in California

12:00  WPDC AWARDS LUNCHEON: 12:00 PM - 1:30 PM

SESSION I  TOPIC: Case Reports, Bacterial Diseases

1:30  Manuela Crispo  Tenosynovitis outbreaks in commercial broilers associated with avian reovirus variants.
1:45  Alexandria Holloway  A case of Listeria monocytogenes in a 12-wk-old chicken.
2:00  Geoffrey Lossie  A case of duck viral enteritis in backyard Muscovy ducks
2:15  H.L. Shivprasad  Feather folliculitis associated with the fungus Alternario sp. and high condemnations in Pekin ducks.
2:30  Aris Malo  Outcome of a concomitant infection with Avibacterium paragallinarum and Gallibacterium anatis in specific-pathogen-free chickens and the role of vaccination in preventing disease.
2:45  Muhammad Nisar  Genetic diversity of Ornithobacterium rhinotracheale isolated from chicken and turkeys in the USA using multilocus sequence typing.

SESSION II  TOPIC: Vaccination, Management

1:30  Ha-Jung Roh  Protocol of Cevac IBron® vaccine intake evaluation for broiler hatchery vaccination.
1:45  Charles Carver  Vaccination with siderophage receptors and porins protects against fowl cholera challenge by heterologous serotypes.
2:00  Graham Cox  Vaccination against salmonella using siderophage receptor proteins.
2:15  Charles Hofacre  Use of a yeast cell wall product in commercial layer feed to reduce S. E. colonization.
2:30  Kalhari Goonewardene  Immunoprotective effects of CpG-ODN against E. coli septicemia in neonatal broiler chickens by intrapulmonary delivery.
2:45  Charles Hofacre  Preventing necrotic enteritis without antibiotics.

3:00  POSTER VIEWING & BREAK: 3:00 PM - 3:30 PM
<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION I TOPIC: Bacterial Diseases</th>
<th>SESSION II TOPIC: Management, Biosecurity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30</td>
<td>K.V. Nagaraja</td>
<td>David Harrington</td>
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<tr>
<td></td>
<td>Molecular characterization and antimicrobial resistance of Campylobacter species isolated from poultry.</td>
<td>Omega 3's reduce campylobacter in broiler chickens</td>
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<tr>
<td>3:45</td>
<td>Pongthorn Pumtang-On</td>
<td>David Harrington</td>
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<tr>
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<td>Transmission of campylobacter in commercial broiler flocks in NSW Australia.</td>
<td>Oregano essential oil reduces BCO lameness.</td>
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<tr>
<td>4:00</td>
<td>Jessica Hockaday</td>
<td>Ken Takeshita</td>
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<td></td>
<td>Characteristics of antimicrobial resistance in salmonella serotypes from environmental sampling of broiler farms</td>
<td>Biosecurity self-assessment.</td>
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<tr>
<td>4:15</td>
<td>Frank Jin</td>
<td>Shelly Popowich</td>
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<td>Effect of the microbial product GalliPro Hatch in ovo inoculation on young chick viability and on the occurrence of Enterococcus faecium M74 in gut and caeca</td>
<td>Broiler chick quality assessment using the Pasgar score at the time of hatch</td>
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<tr>
<td>4:30</td>
<td>Rocío Crespo</td>
<td>Paul Cotter</td>
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<tr>
<td></td>
<td>Training the pet chicken veterinarian</td>
<td>Avian Neutrophils – a la G. Lesbouyries, Pathologie des Oiseux – 1941, A Demonstration with Material from Ducks.</td>
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WEDNESDAY, March 22, 2017

**TOPIC: Parasites**

<table>
<thead>
<tr>
<th>TIME</th>
<th>NAME</th>
<th>SPEAKER</th>
<th>SESSION TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Larry McDougald</td>
<td>Invited speaker: “Control of parasitosis in organic raised flocks”.</td>
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<tr>
<td>8:45</td>
<td>John McCarty</td>
<td>Hatchery coccidiosis vaccine application: gel vs. water.</td>
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<tr>
<td>9:00</td>
<td>Robert Evans</td>
<td>Benefits of controlling Eimeria sp. and Clostridium perfringens through combination of Avilamycin and ionophors.</td>
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<tr>
<td>9:15</td>
<td>David Harrington</td>
<td>The effect of an oregano-based feed additive (Orego-Stim) on the development of coccidial immunity and bird performance during Eimeria challenge.</td>
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<tr>
<td>9:30</td>
<td>John McCarty</td>
<td>The impact of a coccidiosis vaccine.</td>
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**TOPIC: Epidemiology**

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<tr>
<th>TIME</th>
<th>NAME</th>
<th>SPEAKER</th>
<th>SESSION TOPIC</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Myrna Cadena</td>
<td>Using Social Network Analysis (SNA) to identify backyard poultry stakeholders in California</td>
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<tr>
<td>10:15</td>
<td>Elliot Matchett</td>
<td>Modeling waterfowl habitat selection in the Central Valley of California to better understand the spatial relationship between commercial poultry and waterfowl</td>
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<tr>
<td>10:30</td>
<td>Todd Kelman</td>
<td>Spatio-temporal risk mapping of waterfowl movements and habitat in the Central Valley of California using next generation radar and landsat imaging as a mechanism for guiding avian influenza surveillance</td>
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<tr>
<td>10:45</td>
<td>Ian Dwight</td>
<td>Serological surveillance of commercial pheasants as a link toward understanding disease transmission between released and wild</td>
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<tr>
<td>11:00</td>
<td>Theodore Derksen</td>
<td>Backyard poultry as a reservoir for respiratory diseases</td>
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<tr>
<td>11:15</td>
<td>G. Senties-Cué</td>
<td>Concluding Remarks; Adjourn</td>
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**POSTERS**

1. Itzel Beatriz Aguilar | High mortality associated with Escherichia coli: in quail: case report
2. Melissa M. Board | Blood chemistry reference intervals for backyard hens
3. Paul F. Cotter | Duck Türk cell response to AFB1
4. Ruben Merino | IgA quantitation in different biologic samples from broiler chickens vaccinated against Newcastle disease and infectious bronchitis
5. Fernando Lozano | Implementation of serological base lines by region and by disease for health monitoring in broiler breeders in Mexico
6. Aslı Mete | qPCR as a diagnostic tool for Marek’s disease in backyard chickens
7. Elmiro Nascimento | DNA Sequencing Confirmation of Mycoplasma gallisepticum from Magellanic penguins (Spheniscus magellanicus)
8. Mohamed Sarjoon Abdul-Cader | Enhanced macrophage response post-hatch in chickens following in ovo delivery of nucleic acids
9. Joseph Butterweck | The updated requirements for adding antimicrobials to feeds
10. Elmiro Nascimento | Phenotypic and genetic characterization of Amoxicillin/Clavulanic Acid and Cefotaxime resistance in Salmonella Minnesota and S. Heidelberg from broilers and carcasses
11. Manuela Crispó | Salt toxicity in 7-day-old broiler chickens
12. Fernando Lozano | Use of Vectormune ND as part of a combined vaccination program for the control of ND in commercial layers in Mexico
13. Andres Morales-Garzon | Inclusion body hepatitis in Mexico
14. Stephen Spatz | Infectious laryngotracheitis genomics: What’s circulating in the backyard flocks from the United States?
15. | |
16. | |
E. coli
Hematology
Hematology
Immunology
Immunology
Molecular
Molecular
Immunology

Regulations

Antibiotic resistance

Toxicology
Vaccination
IBH

ILT