



## Monday, April 10th

Rooms 208 ABCD – Minneapolis Convention Center (*NEW location!*)

Lunch in Room 207B

7:00 – 7:45 **Registration and Breakfast**

7:45 – 8:00 **Introduction and Welcome Address**

*Tim Johnson, Program Chair and  
Dr. Carol Cardona, Professor and Pomeroy Chair, University of Minnesota*

### Bacterial Pathogens / Student Competition

**Moderator:** **Tim Johnson, University of Minnesota**

8:00 – 8:30 Live-attenuated vaccines to control *Campylobacter* in poultry

*Byeonghwa Jeon, University of Minnesota*

8:30 – 8:45 Evaluating the efficacy of oregano, apple cider vinegar, and citric acid as water treatment for SLD caused by *Campylobacter hepaticus* in challenged SPF chickens [student award competition]

*Roel Becerra, University of Georgia*

8:45 – 9:00 Effects of a host-specific *Lactobacillus* probiotic tested against emerging *Salmonella* on growth and hepatic health of growing turkeys [student award competition]

*Shijinaraj Manjankattil, University of Minnesota*

9:00 – 9:15 Chronic bacterial sepsis in 71-week-old organic brown laying hens [student award competition]

*Caley Ellington, Iowa State University*

9:15 – 9:30 Effect of host-specific or non-host-specific protective probiotic cultures supplemented in water on the growth of commercial turkeys [student award competition]

*Claire Peichel, University of Minnesota*

9:30 – 9:45 Changes in the distribution of immune cells in the reproductive tract of turkey breeder hens in relation to their stage of production [student award competition]

*Lauren Chen, University of Minnesota*

9:45 – 10:00 Quail hepatitis: What in the quail is going on? [case report competition]

*Ashley Anderson, Iowa State University*

10:00 – 10:15 **Break**



## Viruses / Student Competition

**Moderator: Grace Dewi, University of Minnesota**

10:15 – 10:45 Current status of Reovirus from research and the field

*Tamer Sharafeldin, South Dakota State University*

10:45 – 11:00 Evaluation of two different day-of-age IBV spray vaccination programs on early protection against DMV/1639 in Leghorn pullets

*Fernando Ruiz-Jimenez, Zoetis*

11:00 – 11:15 Avian influenza virus: comparison of RNA extraction protocols used for metagenomic Nanopore sequencing [student award competition]

*Maria Chaves, Iowa State University*

11:15 – 11:30 An interesting case of Corvid Orthoreovirus in wild American crows [case report competition]

*Geoffrey Lossie, Purdue University*

11:30 – 11:45 Health effects of feeding a dried egg product in layers [student award competition]

*Eliza Theis, North Carolina State University*

11:45 – 12:00 Host adaptation occurs in *Lactobacillus johnsonii* and positively influences its probiotic potential in poultry [student award competition]

*Abigail Johnson, University of Minnesota*

12:00 – 1:00 **Lunch Break (Lunch sponsored by Alltech) – Room 207B**



## Symposium: *Salmonella* Mitigation

**Moderators: Marissa Studniski (Select Genetics) and Katie Stumvoll (JOTS)**

- 1:00 – 1:30 *Salmonella* vaccines: science and application  
*Billy Hargis, University of Arkansas*
- 1:30 – 2:00 Molecular factors leading to nutritional fitness of *Salmonella*  
*Devendra Shah, Texas Tech University*
- 2:00 – 2:30 The nuts and bolts of an outbreak investigation  
*Dana Eikmeier, Minnesota Department of Health*
- 2:30 – 3:00 Using genomics to identify and understand problematic *Salmonella*  
*Tim Johnson, University of Minnesota*
- 3:00 – 3:20 Roundtable discussion with speakers
- 3:20 – 3:45 **Break**



## From the Field

**Moderator: Carrie Cremers, Jennie-O Turkey Store**

3:45 – 4:15 Observations on *Streptococcus gallolyticus* from the field

*Kabel Robbins, Butterball*

*Marissa Studniski, Select Genetics*

*Elise Gerken, Cooper Farms*

*Elizabeth Beilke, West Liberty Foods*

*Carrie Cremers, Jennie-O-Turkey Store*

4:15 – 4:30 A Case of *Mycoplasma Gallisepticum* or is it? [case report competition]

*Miranda Painter, Iowa State University*

4:30 – 4:45 Unusual histomonosis presentation in breeder pullets: a 2-week-old case report [case report competition]

*Hugo Ramirez, Mississippi State University*



## Tuesday, April 11th

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7:00 – 8:00 **Breakfast**

### Vaccines

**Moderator: Mickey Leonard, University of Minnesota**

8:00 – 8:30 Investigations into the parenteral application of live *E. coli* and *Salmonella* Typhimurium vaccines as a method to improve their strength and duration of immunity

*Kalen Cookson, Zoetis*

8:30 – 8:45 Evaluation of inactive, oral subunit *Campylobacter* vaccine for control of cecal colonization of *Campylobacter jejuni* in broiler chickens

*Jeffrey Hall, Vetanco*

8:45 – 9:00 An oral bivalent (*Salmonella*/*Escherichia coli*) subunit vaccine protects boilers from APEC O78 induced colibacillosis in an intratracheal model of infection

*Jeffrey Hall, Vetanco*

9:00 – 9:15 Performance evaluation of commercial turkeys administered a commercial turkey coccidiosis vaccine via oral gavage using a novel nutrient delivery system (NDS) and gel droplet administration

*Kelli Jones, Ceva Animal Health*

9:15 – 9:30 Evaluating the vaccine lesions induced by *Salmonella* Enteritidis (SE) siderophore receptor and porin (SRP®) protein vaccines and whole cell SE bacterins in broiler breeders

*Dan Domingo, Vaxxinova*

9:30 – 10:00 Managing intestinal health to produce safer food - a role for yeast mannan rich fraction

*Karina Horgan, Richard Murphy, and Niall Browne, Alltech*

10:00 – 10:15 **Break**

### Miscellaneous

**Moderator: Kahina Boukherroub, University of Minnesota**

10:15 – 10:30 Investigating decreased hatchability caused by *Enterococcus faecalis*

*Donald Reynolds, University of Nebraska*

10:30 – 10:45 Egg drop syndrome epizootic in northeast Indiana: current status of disease containment

*Eric Gingerich, Diamond V*



- 10:45 – 11:00 In vitro evaluation of anticoccidial sensitivity and phylogenetics on field *Eimeria* strains  
*Carl Julien, Université Laval*
- 11:00 – 11:15 Correlating Waterfowl Density Near Commercial Poultry as Modeled by the Waterfowl Alert Network to HPAI Case  
*Tristan Bond, AgriNerds Inc*
- 11:15 – 11:30 Novel customizable curricular platforms for working poultry professionals – a Minnesota experience  
*Anup Johny, University of Minnesota*
- 11:30 – 12:15 **Awards Ceremony and Closing Remarks**
- 12:15 – 1:00 **Social Event and Adjourn (Lunch sponsored by Alltech – Room 207B)**