



Monday, April 10th

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)**



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

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)**