PSA 2020 Virtual Annual Meeting

Monday, July 20th (All Times are Central Time)

7:00 am  Attendee Login Opens
9:00 am  WPSA Lecture: The 2050 Challenge: Feeding the World Without Wasting It
  • Frank M. Mitloehner, University of California, Davis
10:00 am  Symposium: Bridging the Gap: Best Practices for Field & Research Trials
  • Samuel J. Rochell, University of Arkansas; Applied broiler nutrition: Using research trials to model field conditions
  • Brian D. Fairchild, University of Georgia; Production microbiome: How can the environment impact your research and field trials
  • Nickki Tillman, Nutritional Solutions LLC; I want to be significant! Best practices to get the most from your field data
  • Elizabeth Dale, Pilgrim’s; A field veterinarian’s perspective: What does all this data mean in decision making?
  • J. T. Pope & David J. Burnham, House of Raeford; A field nutritionist’s perspective: The role of research data in decision-making
12:00 pm  Informal Nutrition Symposium: Ingredient Quality Assessment for Old & New Ingredients
  • Roselina Angel, University of Maryland; Symposium Introduction
  • Alesandro Stercoli, Cargill s.r.l.; Feed evaluation: NIR technologies, quality system and utilization
  • Peter V. Chrystal, Baiada Poultry; Using NIR results in commercial diet formulation
  • Mike Blair, United Animal Health Inc.; Applying feed evaluation results – accurate delivery of formulated nutrients
  • Rex W. Newkirk, University of Saskatchewan; Strategies to evaluate novel ingredients for poultry diets
  • Liz Koutsos, EnviroFlight LLC; Novel feed ingredients: Insect protein and chitin products
  • Douglas R. Korver, University of Alberta; Symposium summary, panel discussion and Life Mentors awards
1:00 pm  Poster Chat Session – Animal Well-Being and Behavior
2:00 pm  Poster Chat Session – Extension and Instruction
2:30 pm  Poster Chat Session – Physiology & Reproduction
2:30 pm  Symposium: Educating the Next Generation of Poultry Scientists on Bioinformatics
  • Kristina M. Feye, University of Arkansas; Standardizing microbiome analytics for the poultry grower
  • Steven C. Ricke, University of Arkansas; Delivery of bioinformatics to poultry processing
  • Michael Rothrock, USDA-ARS-USNPRC; Communicating bioinformatics to small poultry producers
  • Joshua Jendza, BASF Corporation; Communicating complex data sets to poultry nutritionists
  • Bill Shannon, BioRankings; Combining microbiome, gene copy, and metabolic pathway in the analysis: A multi-omics case study
3:00 pm  Poster Chat Session – Processing and Products
5:30 pm  Social Event: Cheers to Our ‘Fellow’ Peers
Enjoy your favorite beverage as we celebrate the accomplishments of the 2020 PSA Fellow recipients:

- Kenneth E. Anderson, North Carolina State University
- Todd J. Applegate, University of Georgia
- Jeanna L. Wilson, University of Georgia

**Tuesday, July 21st (All Times are Central Time)**

9:00 am **Poster Chat Session** – Metabolism and Nutrition, General Nutrition

9:00 am **Symposium: Market, Welfare and Nutritional Dynamics of the Laying Industry: How the Layer Industry has Changed, Where it is Today, and Where it May be Going**
- Vincent Guyonnet, FFI Consulting Ltd.; *Worldwide egg market dynamics and its evolution with new generation of consumers*
- Joel Gautron, INRA; *New insights on eggshell mineralization and how they can contribute to maintain shell quality formation to maintain its quality throughout the laying period*
- Thea van Niekerk, Wageningen UR Livestock Research; *Laying hen welfare: from threats to market opportunities*
- Michael T. Kidd, University of Arkansas; *A review on the amino acid nutrition of layers*
- Michael A. Elliot, A&E Nutrition Services; *The evolution of nutritional strategies for production that focuses on conventional, cage-free aviaries, free-range markets*

10:00 am **Poster Chat Session** – Metabolism and Nutrition, Vitamins and Minerals

11:00 am **Poster Chat Session** – Genetics and Molecular Biology

12:30 pm **Student Workshop: How to Be a Better Reviewer**
- Wei Zhai, Mississippi State University; *Section Editor Perspective*
- Ryan N. Dilger, University of Illinois; *Reviewer Perspective*
- Diana Jones, Elsevier Inc.; *Publisher Perspective*

2:30 pm **Poster Chat Session** – Metabolism and Nutrition, Amino Acids

2:30 pm **Symposium: Laying Hens and Eggs: Where is Industry and Where is Academia?**
- Mark Lobstein, USDA Agricultural Marketing Service; *World perspective on egg regulations*
- Tim Lambert, Egg Farmers of Canada; *World perspective on egg production*
- Chad Gregory, United Egg Producers; *Overview of table egg industry: current issues/concerns*
- Gerardo A. Ramirez, U.S. Food & Drug Administration; *Regulatory bodies within the table egg industry – What is the scope of the agency?*
- Jeffery Hendricks, USDA Agricultural Marketing Service; *Regulatory bodies within the table egg industry – What is the scope of the agency?*
- Erika K. Stapp-Kamotani, U.S. Food Safety & Inspection Service; *Regulatory bodies within the egg products industry – What is the scope of the agency?*
- Justin Jarocki, National Egg Regulatory Officials; *Regulatory bodies within the table egg industry – What is the scope of the agency?*
- Darrin Karcher, Purdue University; *Academic perspective – where are we?*
- Douglas R. Korver, University of Alberta; *Canada perspective*
- Jasper L. Heerkens, Aeres University of Applied Sciences; *Europe perspective*

3:00 pm **Poster Chat Session** – Metabolism and Nutrition, Enzymes

3:30 pm **Poster Chat Session** – Metabolism and Nutrition, Feed Additives

5:30 pm **Social Event: PSA Trivia EGGstravaganza**
Test your trivia knowledge on anything and everything! Join in on the fun and play for your chance to win a prize!

**Wednesday, July 22nd (All Times are Central Time)**

9:00 am **Poster Chat Session** – Immunology, Health and Disease

9:00 am **Symposium: Strategies to Increase Recruitment and Engagement of a Future Poultry Workforce**

- **Jessica Wells**, Mississippi State University; *Recruitment Strategies for the Next Generation of Poultry Workers*
- **Stacy Webb**, Sanderson Farms; *Industry Approaches to Recruiting Students and Connecting with Academia*
- **Elizabeth L. Karcher**, Purdue University; *Putting Theory into Practice: Teaching Strategies to Increase Student Engagement and Interest in the Classroom*
- **Marissa Herchler**, North Carolina State University; *Innovative Uses of Technology to Recruit and Reach Student*

10:00 am **Poster Chat Session** – Management and Production

11:00 am **Poster Chat Session** – Microbiology and Food Safety

11:30 am **Symposium: Bone Health and Lameness, the Tip of the Iceberg**

- **Laura A. Amundson**, Zinpro Corporation; *The development of osteochondrosis and tibial dyschondroplasia and the role of trace minerals and vitamins*
- **Sergio L. Vieira**, Federal University of Rio Grande do Sul; *The influence of generational nutrition on bone development*
- **Charles L. Hofacre**, Southern Poultry Research Group; *Linking gut health issues with lameness and food safety*
- **Roselina Angel**, University of Maryland; *Targeting performance and bone health with macro-mineral nutrition*
- **Adnan Alrubaye**, University of Arkansas; *How feed additives influence lameness*

2:00 pm **Student Hatchery Business Meeting**

3:00 pm **PSA Business Meeting**

**Please Note:** All abstract presentations and posters will be available for viewing throughout the conference and will also be available in the virtual platform until August 21, 2020 at 11:59 PM CST.