

Poultry Science Association

Oral Presentations and Symposium July 20-22, 2020

Join Us at the 2020 PSA Virtual Annual Meeting July 20 – 22, 2020
Register Online at <https://poultryscience.org/PSA-Annual-Meeting>

About this event

The PSA Annual Meeting offers attendees exposure to the latest science and research within the poultry science field. With presentations from industry and academia, this conference will offer a variety to all poultry scientists. This year's virtual setting is no different other than all events will take place in the virtual conference environment. Complete with networking opportunities, social events, live presentations, and more, this conference will strive to provide much as the in-person meeting. DuPont has been a steadfast supporter of PSA and are 2020 Gold Sponsors of the event.

Oral Presentations

DuPont will be presenting a number of abstracts at this year's meeting. Be sure to review the list of our experts' talks below and visit the appropriate "virtual session rooms" to view these engaging presentations.

Symposia

In addition to the abstracts, there will be several highly informative symposia. DuPont will chair a symposium on field research featuring individual presentations and live discussion with the panelists.

Abstract Presentations:

Metabolism and Nutrition: Amino Acids Micronutrients Virtual Session Room VI

135 Determination of standardized digestible amino acid requirements for broiler breeders. Jordan Weil GS^{*1}, Antonio Beitia¹, Nawin Suesuttajit¹, Katie Hilton², Pramir Maharjan¹, Diego Martinez¹, Justina V. Caldas³, Shivi Rao³, Craig N. Coon¹ ¹Center of Excellence for Poultry Science, University of Arkansas, Fayetteville, Arkansas, United States, ²DuPont, Wilmington, Delaware, United States, ³Cobb-Vantress Inc., Siloam Springs, Arkansas, United States

136 Determining the lysine requirement in broiler breeders using the indicator amino acid oxidation and nitrogen balance methods. Jordan Weil GS^{*1}, Antonio Beitia¹, Nawin Suesuttajit¹, Katie Hilton³, Pramir Maharjan¹, Diego Martinez¹, Justina V. Caldas², Shivi Rao², Craig N. Coon¹ ¹Center of Excellence for Poultry Science, University of Arkansas, Fayetteville, Arkansas, United States, ²CobbVantress Inc., Siloam Springs, Arkansas, United States, ³DuPont, Wilmington, Delaware, United States

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Metabolism and Nutrition: Enzymes Virginia Tech Virtual Session Room VII

- 144** Comparative efficacy and dose effects of a novel consensus bacterial 6-phytase variant and a commercial 6-phytase on retention of phosphorus and calcium in egg laying hens fed inorganic P-free diet. Abiodun Bello^{*1}, Mick Roberts², Yueming Derjant-Li¹, Leon Marchal¹ 1DuPont Nutrition & Biosciences, Oegstgeest, South Holland, Netherlands, 2AH Pharma, Inc, Salisbury, Maryland, United States
- 145** Effect of a novel consensus bacterial 6-phytase variant on ileal nutrient digestibility, tibia ash, and growth performance in broilers through 48 days of age. Eric B. Sobotik GS^{*1}, Gabrielle M. House¹, Austin M. Stiewert¹, Abiodun Bello², Yueming Derjant-Li², Janet Remus², Ellie Shoesmith², Gregory S. Archer¹ 1Poultry Science, Texas A&M University, College Station, Texas, United States, 2Nutrition & Biosciences, DuPont, Oegstgeest, South Holland, Netherlands
- 146** Comparative efficacy of a novel consensus bacterial 6-phytase variant and a commercial 6-phytase at 2,000 FTU/kg on growth performance, tibia ash and economic benefit in broilers. Abiodun Bello^{*1}, Eric B. Sobotik², Gregory S. Archer², Yueming Derjant-Li¹, Leon Marchal¹, 1DuPont Nutrition & Biosciences, Oegstgeest, South Holland, Netherlands, 2Poultry Science, Texas A&M University, College Station, Texas, United States
- 147** Effect of feed form and a novel consensus bacterial 6-phytase variant on performance, bone ash and phosphorus retention of broiler chickens fed diets without inorganic phosphate. Yueming Derjant-Li^{*1}, Abiodun Bello¹, Ellie Shoesmith¹, Enric Esteve² 1Animal Nutrition, DuPont Nutrition and Biosciences, Oegstgeest, Netherlands, 2IRTA, Animal Nutrition, Centre Mas Bové, Constantí, Spain
- 148** A novel consensus bacterial 6-phytase variant increased phosphorus and calcium retention and productivity parameters in egg laying hens fed inorganic P-free diet. Arun Kumar^{*1}, Abiodun Bello², Yueming Derjant-Li³ 1School of Agriculture and Food Science, University of Queensland, Gatton, Queensland, Australia, 2Nutrition & Biosciences, DuPont, Oegstgeest, South Holland, Netherlands, 3Animal Nutrition, DuPont Nutrition and Biosciences, Oegstgeest, Netherlands
- 149** Effect of a novel consensus bacterial 6-phytase variant on apparent ileal digestibility of amino acids in broilers at 15 days of age. Yueming Derjant-Li^{*1}, M. Reza Abdollahi², Katie Waller¹, Abiodun Bello¹, Leon Marchal¹, V. Ravindran² 1Animal Nutrition, DuPont Nutrition and Biosciences, Oegstgeest, Netherlands, 2School of Agriculture and Environment, Massey University, Palmerston North, New Zealand
- 153** Total inorganic phosphorus free and more economical broiler diets supplemented with a novel consensus bacterial 6-phytase variant maintained normal growth characteristics in all phases. Leon Marchal^{*1, 2}, Yueming Derjant-Li¹, Abiodun Bello³, Eric B. Sobotik⁴, Gregory S. Archer⁴, 1Dupont Animal Nutrition, Warnsveld, Netherlands, 2Animal Nutrition, Wageningen University, Wageningen, Netherlands, 3Nutrition & Biosciences, DuPont, Oegstgeest, South Holland, Netherlands, 4Poultry Science, Texas A&M University, College Station, Texas, United States
- 171** Effect of two limestone sources (fine, coarse) and a novel consensus bacterial 6-phytase variant on ileal P and Ca absorption and tibia ash content of young broilers. Cees Kwakernaak¹, Yueming Dersjant-Li^{*2}, Abiodun Bello² 1Poultry Nutrition, Schothorst Feed Research, Lelystad, Netherlands, 2Nutrition & Biosciences, DuPont, Oegstgeest, South Holland, Netherlands

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Symposium:

Bridging the Gap: Best Practices for Field & Research Trials

Chair: Elizabeth J. Kim DuPont Nutrition & Biosciences

Monday, July 20, 2020 at 10:00 AM CST

“**Bridging the Gap**” will examine academic and industry perspectives on trials and decision-making around them by examining design & statistics, techniques & parameters to measure, impact of research vs. commercial conditions as well as considerations around mimicking the commercial setting in controlled tests.

Introduction

10:00 AM

Elizabeth J. Kim, DuPont Nutrition & Biosciences

10:00 AM

Applied broiler nutrition: Using research trials to model field conditions

Samuel J. Rochell, University of Arkansas

10:10 AM

Production microbiome: How can the environment impact your research and field trials

Brian D. Fairchild, University of Georgia

10:20 AM

I want to be significant! Best practices to get the most from your field data

Nicki Tillman, Nutritional Solutions LLC

10:40 AM

A field veterinarian’s perspective: What does all this data mean in decision making?

Elizabeth Dale, Pilgrim’s

11:00 AM

A field nutritionist’s perspective: The role of research data in decision-making

J. T. Pope & David J. Burnham, House of Raeford

11:20 AM

Panel Discussion (Live)

All Speakers

To view the full PSA program agenda and to register, visit <https://poultryscience.org/PSA-Annual-Meeting>