

Poultry Breeder's Roundtable & National Swine Improvement Federation Joint Meeting

November 30 – December 2, 2021
Marriott St. Louis Grand, 800 Washington Ave., St. Louis, MO 63101
314.621.9600

Tuesday, November 30

General Session (Room: Landmark 1-4)

- 1:00 - 1:15 p.m.** **Welcome and Introductory Remarks**
- 1:15 - 2:00 p.m.** **Recent Changes in Genetic Technologies Acceptance and Regulation**
Dr. Alison van Eenennaam, University of California-Davis
- 2:00 - 2:45 p.m.** **Avian Embryo Sex Identification Technologies**
Dr. Sue Lamont, Iowa State University
- 2:45 - 3:15 p.m.** **Networking Break**
- 3:15 - 4:00 p.m.** **Sexed Semen: Dairy and Beef Experiences and Application to Pigs**
Dr. Katie Olson, ABS
- 4:00 - 5:00 p.m.** **Lightning Talks**
Graduate Students
- 5:30 - 7:30 p.m.** **Joint Reception and Student Poster Session (Room: Crystal Ballroom)**
Reception sponsored by: Allflex Livestock Intelligence and Merck Animal Health)



Wednesday, December 1

Session 1: Specie Specific (Room: Landmark 1-4)

- 8:00 - 8:45 a.m.** **Broiler Genetic Selection Through the Decades and Its Impact on the Broiler Breeder**
Dr. Valerie Carney, Poultry Innovation Partnership Lead
- 8:45 - 9:30 a.m.** **Pre-weaning Mortality – Opportunity for Impact**
Dr. Kara Stewart, Purdue University
- 9:30 - 10:00 a.m.** **Networking Break**
- 10:00 - 10:45 a.m.** **Identification of Candidate Genes and Promising Plasma Biomarkers for Wooden Breast and White Striping**
Dr. Behnam Abasht, University of Delaware

Wednesday, December 1 (Continued)

- 10:45 - 11:30 a.m.** **NSIF Student Award Winner Presentation**
- 12:00 - 1:00 p.m.** **Lunch (Room: Landmark 5-7)**
- 1:30 - 2:15 p.m.** **Advanced Phenotyping Using Digital Technology: What Is Needed and What Does the Future Look Like?**
Dr. Tammy Brown-Brandl, University of Nebraska-Lincoln
- 2:15 - 3:00 p.m.** **Updated Genomic Resources for Poultry Research: A Single Cell Perspective**
Dr. Wesley Warren, University of Missouri
- 3:00 - 3:30 p.m.** **Networking Break**
- 3:30 - 4:15 p.m.** **Automatic Phenotyping for Precision Swine Management and Breeding**
Dr. Juan Steibel, Michigan State University
- 4:15 - 5:00 p.m.** **NSIF Business Meeting (Room: Landmark 1-4)**
- 4:15 - 5:00 p.m.** **PBA Business Meeting (Room: Pershing/Lindell)**

Dinner on Own

Thursday, December 2

Final Session: Cross Specie Talks (Room: Landmark 1-4)

- 8:00 - 8:45 a.m.** **Low Pass Sequence with Imputation for Genomic Evaluation**
Dr. Jesse Hoff, Gencove
- 8:45 - 9:30 a.m.** **Learning From the Past vs. Predicting the Future: Utilizing DNA Information in Consumer Genomics and the Swine Industries**
Dr. Caitlyn Bruns, Ancestry
- 9:30 - 10:00 a.m.** **Networking Break**
- 10:00 - 10:45 a.m.** **Cross Specie Genetic Systems – Benefits and Challenges**
Raf Beeren, Hendrix Genetics
- 10:45 - 11:15 a.m.** **Closing Remarks**

NSIF and PBA thanks U.S. Poultry & Egg Association for support in coordinating the joint meeting and hotel arrangements.

