

**National Poultry Breeder's Roundtable (PBA) & National Swine Improvement Federation (NSIF)
Joint Meeting
November 5-7, 2024
Holiday Inn Nashville - Vanderbilt**

Tuesday, November 5

Session 1: Swine Focus (Room: Centennial Ballroom)

- 1:00 p.m. **Welcome and Introductory Comments**
- 1:15 p.m. **High-throughput, Label-free Boar Sperm Fertility Phenotyping**
Dr. Karl Kerns, Iowa State University
- 2:00 p.m. **Biosecurity and the Specter of Foreign Animal Disease and/or Reportable Disease**
Dr. Jason Hocker, AMVC
- 2:45 p.m. **Break**
- 3:00 p.m. **If Data Is Worth So Much Then Pay Me, Please**
Peter Ter Linde, LeeO / Merck
- 3:45 p.m. **Lauren Christian Graduate Student Award #1**
- 4:15 p.m. **Graduate Student Lightning Talks**
- 5:15 - 7:15 p.m. **Joint Reception and Poster Session (Vanderbilt Room)**
Sponsored by: Allflex, LeeO, Merck Animal Health



Wednesday, November 6

Session 2: Swine Focus (Room: Centennial Ballroom)

- 8:00 a.m. **Breeding for More Sustainable Pig Production**
Dr. Peter Knap, PIC
- 8:45 a.m. **Precision Livestock Farming: Genetic Selection and Phenotyping**
Dr. Eric Psota, PIC
- 9:30 a.m. **Break**
- 10:00 a.m. **MateSel Developments, Including Genomic Mate Selection and Control of Animal Flow in Multi-Unit Breeding Operations**
Dr. Brian Kinghorn, University of New England, Australia
- 11:00 a.m. **NSIF Business Meeting (Centennial Ballroom)**
PBA Business Meeting (Parthenon Room)
- 12:00 p.m. **Lunch (Room: Commodore Grille)**

Wednesday, November 6

Session 2 Cont'd: Poultry Focus (Room: Centennial Ballroom)

- 1:30 p.m. **Machine Vision Technologies for Monitoring Laying Hen Welfare and Production**
Dr. Lilong Chai, University of Georgia
- 2:15 p.m. **Integrating Computer Vision Algorithms and RFID System for Identification and Tracking of Group-Housed Animals: An Example with Pigs**
Dr. Mónica Mora, Lohmann
- 3:00 p.m. **Break**
- 3:30 p.m. **Status of Genomic Selection in Poultry**
Dr. Daniela Lourenco, University of Georgia
- 4:15 p.m. **Adjourn**

Thursday, November 7

Session 3: Poultry Focus (Room: Centennial Ballroom)

- 8:00 a.m. **Spatial Transcriptomics Study of Wooden Breast Myopathy in Broilers**
Dr. Behnam Abasht, University of Delaware
- 8:45 a.m. **Genetics of Novel Digital Phenotypes of Keel Bone**
Sallam Mohammed, Swedish University of Agricultural Sciences
- 9:30 a.m. **Break**
- 10:00 a.m. **Some Research, Philosophy, and Storytelling**
Dr. Sue Lamont, Iowa State University
- 10:45 a.m. **Closing Remarks**
- 11:00 a.m. **Conclude**

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

