

**2010 National Swine Improvement Federation
Annual Conference and Symposium
Kansas City, Missouri**

Tentative Program



THURSDAY, DECEMBER 2nd

Session I. Genome-wide association studies – from theory to implementation in pig breeding systems.

Moderator: TBA

8:30 to 9:15 **The general context of GWAS: What's needed for success?**

Dr. Dorian Garrick, Iowa State University, Ames, IA

9:15 to 10:00 **Potential implementation platforms of genomic selection in swine improvement programs.**

Dr. Jack Dekkers, Iowa State University, Ames, IA

10:00 to 10:15 **Break**

10:15 to 11:00 **Reduced marker panels: potential for more cost-effective use of genomic data.**

Dr. Ron Bates, Michigan State University, E. Lansing, MI

Session II. Genetic improvement of disease resistance.

Moderator: Dr. Rodger Johnson, University of Nebraska-Lincoln

11:00 to 11:45 **Overview of current and future health considerations within a genetic improvement program.**

Speaker TBA

11:45 to 1:00 **Awards Luncheon**

1:00 to 1:45 **Genetic Improvement of PRRS resistance: Update on PRRS Genetic Consortium and current progress.**

Dr. Joan Lunney, USDA-ARS, Beltsville, MD

1:45 to 2:30 **Incorporating resistance to PCV2 resistance into a genetic improvement program.**

Dr. Daniel Ciobanu, University of Nebraska, Lincoln, NE

2:30 to 2:45 **Break**

Session III. A new look at our endpoint targets – current and future perspectives.

Moderator: Dr. Mark Knauer, National Pork Board

- 2:45 to 3:30 **Will welfare metrics become a component of defining our endpoints?**
Speaker TBA
- 3:30 to 4:15 **Current and future importance of meat quality in selection programs – Academic perspective**
Dr. Steve Moeller, The Ohio State University, Columbus, OH
- 4:15 to 5:00 **Current and future importance of meat quality in selection programs – Industry perspective**
Dr. Roger Johnson, Farmland Foods, Inc.

FRIDAY, DECEMBER 3rd

- 8:30 to 9:00 **Lauren Christian Memorial Graduate Student Award Presentation**

Session IV. Maternal genetic resources – Future perspectives on measures of sow efficiency.

Moderator: Dr. Ken Stalder, Iowa State University

- 9:00 to 9:45 **How will maternal efficiency be defined in 15 years within the context of genetics, health, and nutrition?**
Dr. Mark Boggess, USDA-ARS, Beltsville, MD
- 9:45 to 10:30 **System-wide balance of prolificacy and weaned pig quality.**
Dr. Jan Merks, TOPIGS, Netherlands
- 10:30 to 10:45 **Break**
- 10:45 to 11:30 **A review of the influence of lactation feed intake as a component of sow herd performance.**
Speaker TBA
- 11:30 to 12:15 **Genetics of sow behavior: Associations with reproductive performance and perspectives toward loose housing systems.**
Dr. Jim Schneider, USMARC, Clay Center, NE
- 12:15 to 1:00 **Lunch**
- 1:00 to 1:30 **NSIF Post Conference Board of Directors Meeting**