

Program



Thursday, December 6

8:30 am Welcome – Joe Cassady, NSIF President

Advances in Molecular/Genomic Technologies, Moderator – Joe Cassady

8:45 Update on Swine Genome sequencing project and potential uses of the sequence in future research programs – Max Rothschild, Iowa State University

9:15 “Are there benefits to using expensive DNA markers: The Beef experience” – Jeremy Taylor, University of Missouri

10:00 Break

10:30 MicroRNA (miRNA) technology in livestock: Expression profiling of bovine oocyte and developmental stages of porcine skeletal muscle – Tara McDanel, USDA, MARC

11:00 Expression QTL (eQTL) analysis for identifying genes controlling economically important traits in pigs – Cathy Ernst, Michigan State University

11:30 Use of genetic markers at PIC – David Casey, PIC

12:00 pm Lunch and NSIF Awards Presentation

1:30 Genetics of Disease (PRRS and PCVAD) Resistance – Rodger Johnson – University of Nebraska - Lincoln

Breakout session I:

NSR Commercial Solutions Selection for Meat Quality, Moderator – Darrell Anderson

2:30 ISU IMF Selection Project – Tom Baas, Iowa State University

3:15 Use of Real-Time Ultrasound in % IMF Prediction for Swine – Doyle Wilson, Biotronics, Inc.

4:00 Break

4:15 NSR Muscle Quality EPD Program: Current Status – Clint Schwab, National Swine Registry, W. Lafayette, IN

4:45 Update on Genetic Markers for Pork Quality Quality – Gary Rohrer, USDA, ARS, MARC

5:30 Adjourn - Dinner on your own

Breakout session II:

Implementation of Genetic Improvement Programs, Moderator - Scott Newman

2:30 pm Impact of Herd Health/Biosecurity on Genetic Improvement Programs – Panel /
Roundtable Discussion

Panelists:

Fields Gunsett, PhD, Newsham Genetics
David Baum, DVM, PhD, Newsham Genetics
Tom Rathje, PhD, MBA, Danbred USA
Veterinarian – Dr. Mike Eisenmenger
Ronan Murphy, MS, Hermitage Pedigreed Pigs



4:00 Break

4:15 Commercial Application of Nuclear Transfer in the Swine Industry - Blake
Russell, Viagen

5:30 Adjourn - Dinner on your own

Friday December 7, 8:30 am – 10:00 am

Data Management for Genetic Improvement, Moderator – Todd See

8:30 Use of Electronic Identification in the Genetic Pyramid – Tom Long, Smithfield
Premium Genetics

9:00 Dairy Cattle Records Programs – John Clay, North Carolina State University

9:30 On-Farm Automation – Ron Thibault – Osborne Industries

10:00 Break

10:30 am – 12:30 pm

Research and Education Priorities, Moderator – Mark Boggess

10:30 National Pork Board Research Focus – Mark Boggess, NPB

10:45 Sow Productive Lifetime Conference Summary and Applicable Genetic Research
Initiatives – Ken Stalder

11:15 U.S. Pork Center of Excellence Swine Schools – Dave Meisinger

11:30 Questions

12:00 Graduate Student Award Winner Presentation – Mark Knauer, North Carolina
State University

12:30 Lunch for all & Post Conference NSIF Board of Directors Meeting