



BIF Genetic Prediction Workshop

**NCERA-225 (Regional Committee on
Implementation and Strategies for National
Beef Cattle Genetic Evaluation)**

*Holiday Inn KCI Airport and KCI Expo Center
Kansas City, Missouri*

Joint Meeting Schedule of Events

Tuesday, December 4, 2018

6:30 p.m. NCERA-225 Business meeting- *Lobby Court – Expo Center*

Wednesday, December 5, 2018

7:00 a.m. Breakfast Buffet – *Salon ABC – Expo Center*

8:00 a.m. Technical Presentations and Discussion – *Ambassador – Expo Center*

An Historical Introduction to the Genetic Prediction Workshop – Dr. Stewart Bauck, Neogen/GeneSeek

Setting the Stage – Dr. Mark Thallman, USDA-ARS U.S. Meat Animal Research Center

Migrating the BIF guidelines to a Wiki Environment – Dr. Lauren Hyde, Am. Simmental Association/International Genetic Solutions

Upcoming Challenges in Genetic Evaluation from a Statistician's Perspective – Dr. Steve Kachman, University of Nebraska-Lincoln

Genetic Evaluation at Angus Genetics, Inc. – Dr. Steve Miller, Am. Angus Association/ Angus Genetics, Inc.

Genetic Evaluation at Neogen – Mr. John Genho, Neogen/GeneSeek

Morning Break

Genetic Evaluation at International Genetic Solutions – Dr. Mahdi Saatchi, Am. Simmental Association/International Genetic Solutions

Genetic Evaluation at the American Hereford Assn. – Mr. Shane Bedwell, Am. Hereford Association

Vision of the Future from Neogen – Dr. Stewart Bauck, Neogen/GeneSeek

Vision of the Future from Zoetis – Dr. Sue DeNise, Zoetis

Discussion of Genetic Evaluation and Genomics Company Updates – Moderator: Dr. Darrh Bullock, University of Kentucky

12:00 p.m. Lunch – *Salon ABC – Expo Center*

1:00 p.m. Technical Presentations and Discussion – *Ambassador – Expo Center*

Single-step GBLUP in Practice - Dr. Daniela Lourenco, University of Georgia

Current Research in Unweighted and Weighted ssGBLUP - *Dr. Ignacy Misztal, University of Georgia*

Current Single-step National Beef Cattle Evaluation Models Used by the American Hereford Association and International Genetic Solutions, Computational Aspects, and Implications of Marker Selection - *Dr. Bruce Golden, Theta Solutions LLC*

Discussion of Technical Aspects of Current Approaches to Genetic Evaluation - Moderator: *Dr. Darrh Bullock, University of Kentucky*

Reduced Subsets of SNP from the F250 Chip - *Dr. Warren Snelling, USDA-ARS U.S. Meat Animal Research Center*

Some Insights into the Quantitative Genetic Modeling of Feed Efficiency and its Implications for Multiple Trait Genomic Evaluations - *Dr. Rob Tempelman, Michigan State University*

Feature Selection for Genomic Prediction - *Dr. Cedric Gondro, Michigan State University*

Discussion of Benefits and Pitfalls of Marker Weighting - Moderator: *Dr. Darrh Bullock, University of Kentucky*

6:00 PM Reception (Cash Bar) – *Salon ABC – Expo Center*

7:00 PM Supper – *Salon ABC – Expo Center*

Thursday, December 6, 2018

7:00 a.m. Breakfast Buffet – *Salon ABC – Expo Center*

8:00 a.m. Technical Presentations and Discussion – *Ambassador – Expo Center*

Challenges from Day 1: Taking Genomic Evaluation to the Next Level - *USDA-ARS U.S. Meat Animal Research Center*

Setting the Stage for Day 2 - *Dr. Bob Weaver, Kansas State University*

Review BIF Guidelines Revisions From Yesterday - *Dr. Lauren Hyde, Am. Simmental Association/International Genetic Solutions*

Would You Drive a Race Car Without Steering? – *Mr. Lee Leachman, Leachman Cattle of Colorado*

Decision Support Using Customizable Indices Across Breeds - *Dr. Matt Spangler, University of Nebraska-Lincoln*

Discussion of Application of Selection Indices – Moderator: *Dr. Darrh Bullock, University of Kentucky*

Genomic Analysis of Genotype by Nutritional Environment Interaction in a Crossbred Beef Cattle Herd - *Dr. El Hay, USDA-ARS Fort Keogh Livestock Range & Research Laboratory*

Mate Selection for the Implementation of Breeding Programs – *Dr. Brian Kinghorn, Emeritus Professor, University of New England, Australia*

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