

Schedule of Events

Tuesday, June 22, 2021

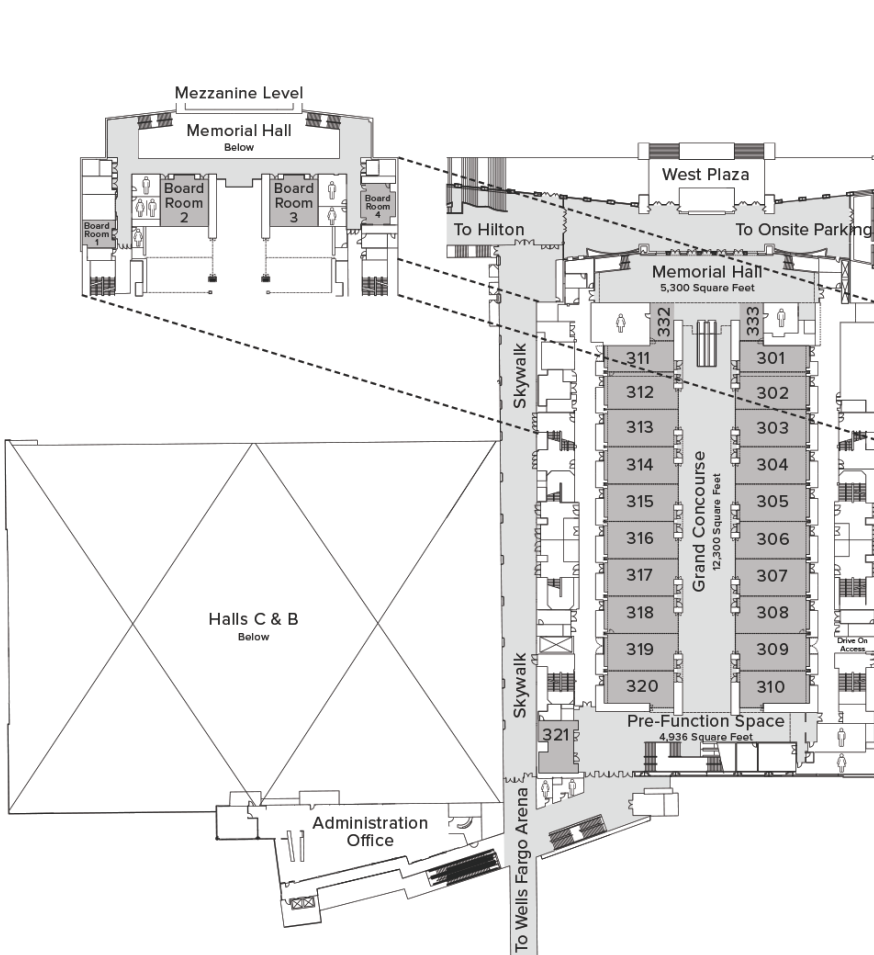
- 8:00 a.m. **BIF Board of Directors Meeting** *Hilton Des Moines – Cloud Ballroom A*
 11:00 **Registration open** *Iowa Events Center – Level 3, sponsored by Central Life Sciences*

YOUNG PRODUCER SYMPOSIUM—PROFITABILITY IN BALANCE *sponsored by Central Life Sciences, Iowa Events Center – Ballroom B, Level 4*

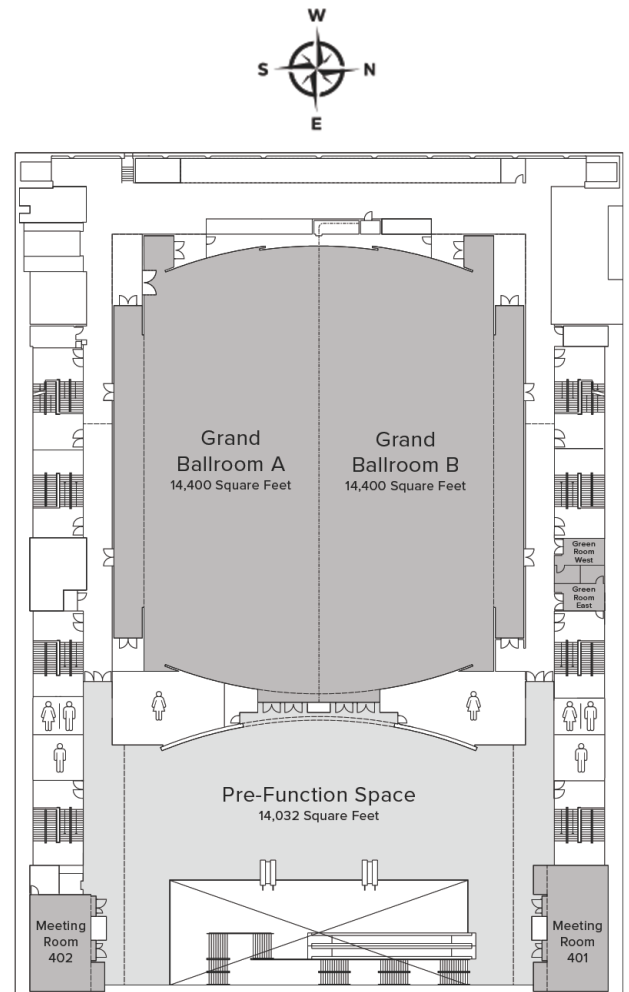
- 1:00 p.m. **Managing for Profitability** John Locke, instructor, Ranching for Profit instructor and manager – J.D. Hudgins Inc.
 1:45 **Building a Brand** Rachel Cutrer, owner – Ranch House Designs
 2:30 **BREAK**
 3:00 **Breeding for Profitability: Keeping Balance for the Long Haul** Brian McCulloh, moderator – Wooldhill Farms
 Producer panel: Steve Radakovich – Radakovich Cattle Company, Bart Jones – Red Hill Farms, Mary Ann Kniebel – Kniebel Cattle Company
 5:00 **Opening Reception** *sponsored by NEOGEN, Iowa Events Center – Ballroom A, Level 4*

7:00 p.m. NATIONAL ASSOCIATION OF ANIMAL BREEDERS SYMPOSIUM: BEEF ON DAIRY *What's Going On and Why?* *Sponsored by: National Association of Animal Breeders (NAAB), Iowa Events Center – Ballroom B, Level 4*

- The Changing AI Landscape** Don Trimmer – Alta Genetics
Using Beef Genetics in a Modern Dairy Lynn Boadwine – Boadwine Farms Inc.
The Benefits of Beef on Dairy Randall Grimmus – Grimmus Cattle Company



LEVEL 3



LEVEL 4

Wednesday, June 23, 2021

7:30 a.m. **Registration open** – Iowa Events Center – Level 3
Continental breakfast sponsored by Leachman Cattle of Colorado, Iowa Events Center – ballroom pre-luncheon space, Level 4

GENERAL SESSION I—BEEF INDUSTRY: WHERE IS IT GOING? sponsored by ZOETIS, Iowa Events Center – Ballroom B, Level 4

8:00 **Opening Comments and Welcome** John Lawrence, vice president – Iowa State University Extension and Outreach

8:15 **Meat Consumer Purchasing Trends and Expectations** Michael Uetz, managing principal – Midan Marketing

9:00 **Lessons From Other Industries in Genetics** Jim Pillen, owner – Pillen Family Farms

9:45 **BREAK**

10:15 **We Can Sell More Beef** Dan Thomson, chair – Iowa State University Department of Animal Science

11:00 **What I Heard** Troy Marshall, Director of Commercial Industry Relations – American Angus Association

11:30 **Panel Discussion** Troy Marshall – moderator, featuring morning presenters

AWARDS LUNCHEON Iowa Events Center – Ballroom A, Level 4

12 p.m. Presenting BIF Commercial Producer • Continuing Service • Ambassador • Roy Wallace Scholarship

Technical Breakout Sessions

	<i>Rooms 313-316, Level 3</i> Advancements in GENOMICS AND GENETIC PREDICTION Chair: Mark Thallman, Research Geneticist US Meat Animal Research Center	<i>Rooms 307-310, Level 3</i> Advancements in PRODUCER APPLICATIONS Chair: Darrh Bullock, professor University of Kentucky Extension	<i>Rooms 317-320, Level 3</i> Advancements in EFFICIENCY AND ADAPTABILITY Chair: Mark Enns, professor Colorado State University
2:00 p.m.	Genomic Dissection and Prediction of Bull Fertility Francisco Peñagaricano, assistant professor of quantitative genetics – University of Wisconsin	Understanding the Value of Accuracy Matt Spangler, professor and beef genetics specialist – University of Nebraska-Lincoln	Calving Ease Cows: Optimal or Extreme? Gary Bennett, supervisory research geneticist – US Meat Animal Research Center
2:45	Proposed Guideline Revisions for Contemporary Groups Mark Thallman, research geneticist – US Meat Animal Research Center; Matt Spangler, professor and beef genetics specialist – University of Nebraska-Lincoln	Milk: Benefit or Burden Ben Crites, Graduate Research Assistant – University of Kentucky	An Introduction to the ARS Beef Grand Challenge Project Larry Kuehn, research geneticist – US Meat Animal Research Center
3:20	Break	Break	Break
3:30	Low-pass Sequencing Reveals Functional Genomics Affecting Cow Weight and Productivity Warren Snelling, research geneticist – US Meat Animal Research Center	Selecting for Dollars: Putting Selection Indices to Work Troy Rowan, assistant professor – University of Tennessee	A Piece of the Adaptability Puzzle: Multi-breed Hair-shedding Genetic Effects and EPDs Jared Decker, associate professor – University of Missouri
4:15	Developments in Research and Implementation Supporting Genomic Prediction for Australian Beef Cattle Dr. David Johnston, Principal Scientist, Animal Genetics and Breeding Unit Staff – University of New England, Armidale, NSW, Australia	Target Selection to Meet Consumer Demands Jennifer Bormann, professor of beef breeding and genetics – Kansas State University	Sire Differences Within Heart and Heart Fat Score in Beef Cattle Isabella Kukor – Colorado State University

5:00 **Travel to Ames** Buses will load and depart from the west parking lot between 5-5:15pm: exit through the glass doors at the west end of the Community Choice Credit Union Convention Center, 300 level. Continue through the West Plaza until arriving on 5th Avenue where buses will be staged.

Driving to Ames? Stop by the conference desk and receive directions to the Iowa State University Hansen Agriculture Learning Center.

6:00 **Evening Social and Dinner at Iowa State University** sponsored by Iowa State University, the Iowa Beef Council, Iowa Cattleman's Association and Iowa Premium- a National Beef Company

7:30 p.m. **Program**
 Welcome from Wendy Wintersteen, President – Iowa State University, and Dan Robison, Dean – ISU College of Agriculture and Life Sciences

Thursday, June 24, 2021

7:30 a.m. **Continental breakfast** *Iowa Events Center – Ballroom pre-luncheon space, Level 4*

GENERAL SESSION II—PRECISION LIVESTOCK TECHNOLOGY *sponsored by C-Lock, Iowa Events Center – Ballroom B, Level 4*

7:45 **Announcements**

8:00 **Gene Editing Today and in the Future** Alison Van Eenennaam, Animal Genomics and Biotechnology – University of California– Davis

8:45 **The Role of Technology in the Beef Industry** Justin Sexten, vice president of strategy – Precision Livestock Analytics

9:30 **BREAK**

10:00 **Applying Precision Technologies: Panel Discussion** Justin Sexten – moderator

Early implications of intelligent intake management on selection Pat Wall, extension specialist – Iowa State University Extension and Outreach

Our experience with behavior-monitoring ear tags Reiss Bruning, owner and operator – Bruning Farms

Our experience with virtual fencing systems Cody Jorgensen, owner and operator – Jorgensen Land and Livestock

11:00 **What I Heard** Scott Greiner, beef and sheep specialist – Virginia Tech University Extension

11:15 **BIF Board of Directors Caucuses and Elections** *Iowa Events Center – Ballroom A, Level 4*

12 p.m. **Awards Luncheon** *sponsored by American Angus Association*

Presenting BIF Pioneers • Seedstock Producer • Frank Baker and Larry Cundiff scholarship

• retiring president's comments • introduction of newly elected BIF Board of Directors • invitation to BIF 2022

Technical Breakout Sessions

	<i>Rooms 313-316, Level 3</i> Advancements in EMERGING TECHNOLOGY Chair: Megan Rolf, associate professor Kansas State University	<i>Rooms 317-320, Level 3</i> Advancements in END-PRODUCT IMPROVEMENT Chair: Tommy Perkins, associate professor West Texas A&M University	<i>Rooms 307-310, Level 3</i> Advancements in SELECTION DECISIONS Chair: Matt Spangler, professor University of Nebraska–Lincoln
2:00 p.m.	Multi-breed Genetic Evaluation: How Does It Work for Seedstock and Commercial Cattle? Randie Culbertson, lead geneticist – American Simmental Association	Ultrasound Guidelines Council Update Patrick Wall, executive director – Ultrasound Guidelines Council	An Update on and Demonstration of iGenDec Matt Spangler, professor – University of Nebraska-Lincoln
2:45	Gene-Edited Food Animals: The Path from Proof of Concept to Commercial Use Tad Sonstegard, Chief Executive and Scientific Officer – Acceligen	Impact of Ultrasound, Carcass, and Genomic Data on Body Composition Expected Progeny Differences Kelli Retallick, director, Genetic and Genomic Program – American Angus Genetics Incorporated	Examining the Impact of Situational Indexes on Selection Decisions Bruce Golden, partner –Theta Solutions, LLC
3:20	Break	Break	Break
3:30	Use of Advanced Reproductive Technologies and Inclusion of These Records in Genetic Evaluation Mark Thallman and Alexandria Snider, research geneticists – US Meat Animal Research Center	Use of New Generation Ultrasound Equipment to Collect Carcass Data Tommy Perkins, associate professor – West Texas A&M University	An Overview of Economic Selection Indexes Offered by American Breeds John Genho, director, Genetic Prediction Group – Neogen
4:15	Practical Examples of Machine Learning in Animal Breeding Matt Spangler, professor – University of Nebraska–Lincoln	Genomics Use in Improving Meat Quality in Cattle Raluca Mateescu, professor – University of Florida	Using Beef on Dairy Data to Increase the Accuracy of Selection Decisions for Carcass Traits Bob Weaber, professor – Kansas State University
5:00	Cocktail hour with the exhibitors		
6:00 p.m.	Dinner on your own		