



**ASAS Midwest Section / ADSA Midwest Branch
2020 Joint Meeting
March 2-4, 2020 • Omaha, Nebraska**



SCHEDULED SYMPOSIA

Animal Behavior and Well-Being Symposium: Feeding Management and Nutritional Strategies for Improving Animal Welfare

- Dr. Mark Lyte, Iowa State University – Microbial Endocrinology: How evolved intersections of microbiology and neurobiology matter to animal health and nutrition
- Dr. Ryan Dilger, University of Illinois – Nutritional influences on brain and cognitive development
- Dr. Yuzhi Li, University of Minnesota – Feeding and nutritional strategies to improve welfare of group-housed gestating sows
- Dr. Jessica Colpoys, Truman State University – Feed efficiency and good animal welfare: Are the two compatible?

Beef/Small Ruminant Translational Symposium: Current Challenges and Considerations for Indoor Cattle Feeding Facilities

- Dr. Adam Shreck, Feedlot Health – Health, management, and future directions for indoor cattle feeding facilities
- Dr. Tom Peters, Corn Belt Livestock Services – Overview of Different Cattle Finishing Facilities: Economic Summary and Future Innovations
- Dr. Van Mitchell, Metzger Veterinary Services – Lameness in indoor cattle feeding facilities
- Dr. Erik Loe, Midwest PMS – Nutritional and management solutions for indoor cattle feeding facilities

Dairy Translational Symposium: Dairy Management Affecting Milk Quality and Subsequent Products

- Dr. Mireille Chahine, University of Idaho – Protocols, Standard Operating Procedures and Employee Training to Improve Milk Safety and Quality
- Heidi Carroll, South Dakota State University – Teaching Animal Handling through Classrooms and Hands-on Experiences
- Andreia Bianchini Huebner, University of Nebraska-Lincoln – Interventions for Reduction of Sporeforming Bacteria at Farm Level



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Equine Translational Symposium: Sustaining Prosperous Academic Equine Programs

- Dr. Colleen Brady, Purdue University – Extension Equine Program Delivery Methods
- Leslie Janecka, Kentucky Equine Management Internship Program – Sustaining Prosperous Academic Equine Programs
- Dr. Brian Nielsen, Michigan State University – Equine Research Programs – Where are they Going?
- Dr. Kathy Anderson, University of Nebraska-Lincoln – Equine Teaching Programs – Where Do they Fit?
- Dr. James Lattimer, Kansas State University – Developing Graduates with Competitive and Comparative Backgrounds

Growth, Development, Muscle Biology and Meat Science Symposium: A Market Assessment of the Pork Industry

- Allan Schinckel, Purdue University – Current status of marking hogs in North America and future potential for refinement
- Elliott Dennis, University of Nebraska-Lincoln – Domestic and International Pork Demand and their Implication on Pork Production Practices
- Lee Schulz, Iowa State University – Pork Economics and Consumer Trends
- Egan Brockhoff, Canadian Pork Council – Impact of Pig Health/Disease (African Swine Fever) on Global Pork Trade

Nonruminant Nutrition Symposium: Nutrition and Feeding of the Modern Hyperprolific Sow

- Peter K. Theil, Aarhus University, Denmark – Energy and lysine utilization and requirements of lactating sows
- Ron Ball, University of Alberta – Benefits of increasing amino acid intake in late gestation in prolific sows
- Thomas Crenshaw, University of Wisconsin-Madison – Controlling intrinsic pathways to optimize efficiencies of mineral and vitamin use by sows
- Laura Greiner, Iowa State University – Nutrition and Feeding of the Modern Hyperprolific Sow



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Physiology Symposium: Nutritional Advances in Fetal and Neonatal Development

- Dr. Caleb Lemley, Mississippi State University – Nutritional advances in fetal and neonatal development: stage of gestation and placental nutrient supply
- Dr. Kendall C. Swanson, North Dakota State University – Nutritional advances in fetal and neonatal development: amino acid supplementation
- Fernanda Batistel, Utah State University – Nutritional Advances in Fetal and Neonatal Development: Methyl Donors
- Dr. Alejandro E. Relling, The Ohio State University – Nutritional Advances in Fetal and neonatal development: effect of fatty acid supplementation
- Dr. Allison M. Meyer, University of Missouri – Nutritional advances in fetal and neonatal development: Mineral nutrition
- Joel S. Caton, North Dakota State University – Nutritional advances in fetal and neonatal development: Introduction to current knowledge

Precision Livestock Symposium I: Nonruminant

- Dr. John F. Patience, Iowa State University – Growth and Development
- Dr. Tami M. Brown-Brandl, University of Nebraska-Lincoln – Precision Animal Management – The Future of Animal Ag?
- Dr. William O. Herring, PIC-Genus – High-throughput, digital platforms and potential impact on genetic improvement in pork production
- Brandon Fields, PIC-Genus – Slaughter Logistics and Chilling

Precision Livestock Symposium II: Ruminant

- Dr. Victor E. Cabrera, University of Wisconsin-Madison – Developing a Dairy Brain: Improved Decision-Making from Continuous Integrated Data
- Manuel Juarez, AAFC Lacombe – Linking livestock phenomics and precision livestock farming
- Dr. Milton G. Thomas, Colorado State University – Grazing Distribution of Beef Cattle: Acronyms of Technology and Spatial Measures
- Dr. Guilherme J.M. Rosa, University of Wisconsin-Madison – Enhancing beef production and quality using big data analytics and computer vision techniques

Ruminant Nutrition Symposium: Update on Macro and Trace Mineral Requirements for Beef and Dairy

- Dr. Edward Walker, Weber State University – Analytical Methods for Organometallic Chelation Testing
- Dr. Bill Weiss, The Ohio State University – Mineral Requirements of Dairy Cattle from the Dry Period through Lactation
- Dr. Jerry Spears, North Carolina State University – Ruminant Microbiota Mineral Requirements to Optimize Performance on Different Diets
- Dr. Stephanie Hansen, Iowa State University – Mineral Requirements of Fed Cattle



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Teaching and Extension Education Symposium: Women in Animal Science

- Dr. Gretchen Hill, Michigan State University – Expand Your Horizons—Competition Helps!
- Dr. Temple Grandin, Colorado State University – Make Yourself Really Good at Your Career
- Dr. Andrea Cupp, University of Nebraska-Lincoln – TBD
- Lee-Anne Huber, University of Guelph – TBD

Gary Allee Symposium

- Dr. Ashley E. DeDecker, Smithfield Foods – Research Topic Prioritization in a Commercial Production System
- Dr. Gary Stoner, C.P. Group – TBD
- Dr. Laura Greiner, Iowa State University – Understanding today's sow and challenging ourselves for the future
- Dr. Steven J. Kitt, First Choice Livestock LLC – How to drive efficiencies in pork production: What are the gaps in knowledge and obstacles?

David H. Baker Symposium

- Dr. Martin Nyachoti, University of Manitoba, Winnipeg – Opportunities for Using Low-protein Diets for Weanling Pigs to Improve Intestinal Health
- Dr. John Htoo, Evonik Nutrition – Challenges and Opportunities for Formulating Low-protein Diets for Maintaining Growth and N-retention of Weanling and Growing-finishing Pigs
- Dr. Anoosh Rakhshandeh, Texas Tech University – Sulfur Amino Acid Utilization during Immune System Stimulation in Pigs
- Dr. Mike Tokach, Kansas State University – Challenges and Implications of Feeding Diets with Excess Concentrations of Leucine to Growing-finishing Pigs

Harlan Ritchie Symposium: Current State and Future of Cattle Management Systems as Related to Consumer Preferences

- Dr. Shalene MacNeill, NCBA – Consumer trends in beef purchasing and impact on production practices
- Dr. Brad Morgan, Performance Food Group – Where we are at and evolving in management systems that are consumer focused?
- Dr. Glenn Dolezal, Cargill – Carcass composition and leanness-industry trends and needs
- Dr. Robert Pritchard, South Dakota State University – The impact of changing consumer preferences on production and management practices at cow-calf level
- Dr. Alison Van Eenennaam, University of California, Davis – The future of genome editing in food animal species



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David Schingoethe Symposium: Maximizing Dairy Cattle Performance and Dairy Food Manufacturing with Marginal Forage Quality

- Dr. Paul Kononoff, University of Nebraska-Lincoln – Stretching forages with limited quality and quantity by using non-forage fiber sources (NFFS) available in the Midwestern United States
- Dr. Michael Brouk, Kansas State University – Managing Feed Efficiency to Improve Dairy Farm Margin
- Dr. Tom Rehberger, Arm and Hammer Animal and Food Production – Pathogenic Bacterial Levels in US Silages

Updated 1/3/20