

AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS

53rd Annual Conference

BELIEVE.

ENGAGE.

CONNECT!



SEPTEMBER 24-26, 2020
LOUISVILLE, KENTUCKY



Joint Meeting with the American Association
of Small Ruminant Practitioners

This conference will be submitted for RACE approval





WELCOME



Welcome to the 2020 53rd AABP Annual Conference where we hope you will Believe. Engage. Connect!

Even though you have registered for the in-person conference, you will also be able to live-stream sessions. All presentations will be recorded and available online for members within a few months post-conference. We will be using the Slido app (sli.do – Enter meeting code AABP2020) again this year for both virtual and in-person attendees to allow for real-time questions and session polls. Make sure to visit the in-person trade show as well as the virtual trade show where you will find additional information and resources from companies. Find all conference information at <http://louisville.aabp.org/>.

Due to COVID-19, the Louisville Convention Center and hotels will institute precautions to minimize the risk to attendees that will make this conference a little different. The maximum capacity of people in session rooms and ballrooms will be adhered to with social distancing between chairs. If a session room is at capacity, attendees will be asked to watch the live-streamed conference in a nearby room. Meals will either be pre-packaged or buffets will be served by convention center staff. Face coverings for all in-person attendees are required while in the convention center or hotel meeting space. Due to a restriction on paper distribution, this printed schedule will serve as your pocket guide. There will also be ample directional signage via posters as well as schedule information online at <http://louisville.aabp.org>. Attendees are required to follow convention center rules for the safety of all attendees. We ask for your cooperation as we navigate this new process.

Bring your badge to the conference! Lanyards will be available at the registration desk.

2020 Program Chair, Dr. Carie Telgen
2020 Preconference Seminar Chair, Dr. Pat Gorden
#AABP2020

2020 AABP PROGRAM COMMITTEE

Beef Cow-calf Sessions –	Dr. Elizabeth Homerosky
Beef Feedlot Sessions –	Dr. Tera Barnhardt
Clinical Skills –	Dr. Joe Klopfenstein
Dairy Sessions –	Dr. Kelly Reed
Practice Tips –	Dr. Jess Simons
Research Summaries –	Dr. Chris Chase, Dr. Derek Foster
Student Case Competition/Student	
Recent Grad Sessions –	Dr. Gabe Middleton
Practice Management –	Dr. David Welch
AASRP –	Dr. Kelly Still-Brooks

REGISTRATION DESK HOURS

Convention Center, Second Level

Tuesday, September 22	7:00 am - 5:30 pm
Wednesday, September 23	7:00 am - 5:30 pm
Thursday, September 24	7:00 am - 5:30 pm
Friday, September 25	7:00 am - 5:30 pm
Saturday, September 26	7:00 am - 11:30 am

EXHIBIT HALL HOURS

Convention Center, Second Level

Thursday, September 24	8:00 am - 6:30 pm
Friday, September 25	8:00 am - 5:00 pm

COMMITTEE MEETINGS

Thursday, September 24, 9:00 -10:30 am
All committee meetings will be held in the lower level Convention Center

Animal Welfare L15/19	Nutrition L13
Amstutz L26	Committee on
Beef Health	Pharmaceuticals &
Management L20	Biologics L10/14
Genomics and Genetics L9	Reproduction L5
Lameness L17/18	Student Activities
Membership L16	L11/12
Milk Quality and Udder	Veterinary Practice
Health L7/8	Sustainability L6

CONTINUING CREDIT HOURS

- Total # of CE hours available for one veterinarian (includes preconference seminars) = 54.25
- Total # of CE hours available for one veterinarian from sessions/Clinical Forums (Thurs-Sat) = 22.25
- Total # of CE hours available for technicians = 22.25

AUCTION & SPONSORS

Believe.
Engage.
Connect.

AMSTUTZ SCHOLARSHIP AUCTION AND DINNER

FRIDAY, SEPTEMBER 25, 6:00 - 9:00 pm
CONVENTION CENTER HALL C



TWO DAYS, TWO WAYS!

All proceeds from the Silent and Live Auctions benefit the AABP Amstutz Scholarship Fund.

#1 SILENT AUCTION

Check out the item descriptions and pictures on the auction page at <http://Louisville.aabp.org> where you can securely bid/pay as well as see where you are in the bidding process!

Silent Auction bidding ends
Friday, Sept. 25 at 4:00 pm.

#2 LIVE AUCTION

Eat well and bid often at the Friday Night Dinner and Scholarship Auction from 6:00 - 9:00 pm.

View the item descriptions and pictures on the auction page at <http://Louisville.aabp.org> where you can securely bid/pay among attendees at the dinner as well as AABP membership participating online.

Items will be shipped to the winning bidder by the item donor.

53rd AABP ANNUAL CONFERENCE SPONSORS

AABP thanks our sponsors for their support of the 53rd Annual Conference and the organization!

PLATINIUM



SILVER



BRONZE



CHILDREN'S ROOM

Thursday through Saturday
from 8:00 am - 5:00 pm
Convention Center L002

Accompanying persons and caregivers can take a break with kids. We will have a TV, furniture and some coloring books available. This room is for child caregivers only. The children's room is not supervised and is provided for caregivers and children only.





PRECONFERENCE SEMINARS

All preconference seminars are from 8:00 am to 5:00 pm located on the 2nd floor of the Marriott.

For more information, descriptions and seminar locations, visit:

<http://aabp.org/meeting/preconference.asp>.

SUNDAY, SEPTEMBER 20

Seminar #1 Milk Quality and Mastitis: Machines, People, Antibiotics and Pathogens (Day 1) – *Daryl Nydam, Roger Thompson, Brandon Treichler, Paul Virkler, Andrew Johnson*
Marriott Bluegrass I/II

MONDAY, SEPTEMBER 21

Seminar #1 Milk Quality and Mastitis: Machines, People, Antibiotics and Pathogens (Day 2) – *Daryl Nydam, Roger Thompson, Brandon Treichler, Paul Virkler, Andrew Johnson*
Marriott Bluegrass I/II

TUESDAY, SEPTEMBER 22

Seminar #1 Milk Quality and Mastitis: Machines, People, Antibiotics and Pathogens (Day 3) – *Daryl Nydam, Roger Thompson, Brandon Treichler, Paul Virkler, Andrew Johnson*
Convention Center Hall D

Seminar #11a Tools and Concepts for Making Evidence-Based Decisions: Level 1 – Using Spreadsheets – *David Smith, Robert Wills, Kimberly Woodruff* – Marriott Bluegrass I/II

Seminar #13 Manage Your Rural Practice for Success (Day 1) – *David Welch, Dickson Lewis*
Marriott Skybox

WEDNESDAY, SEPTEMBER 23

Seminar #2 Practical Tools for Troubleshooting Dairy Nutrition and Herd Performance – *Enrique Schcolnik, Bill Stone, Earl Aalseth, John Goeser* – Marriott Ballroom III/IV

Seminar #7 The Complete Bull Breeding Soundness Examination – *Chance Armstrong, Jennifer Koziol* – This seminar is offsite.

Seminar #8 Urogenital Surgery – *Richard Hopper, Heath King* – Marriott Ballroom I/II

Seminar #11b Tools and Concepts for Making Evidence-Based Decisions: Level 2 – Making Better Decisions with Data – *David Smith, Robert Wills, Kimberly Woodruff* – Marriott Bluegrass I/II

Seminar #13 Manage Your Rural Practice for Success (Day 2) – *David Welch, Dickson Lewis*
Marriott Skybox

Seminar #14 Talkin' Tall: Elevate Your Success by Lifting Your Connection Skills With Humans – *Morgan McArthur, W Mark Hilton*
Marriott Rose

Seminar #15 Management of Disease in Beef and Dairy Calves – *Geof Smith, Keith Poulsen*



**FREE WIFI
IN THE
CONVENTION
CENTER**



ALL RESEARCH SUMMARIES WILL BE IN THE CONVENTION CENTER ROOM M104/107

*** Graduate Student Competition**

THURSDAY, SEPTEMBER 24

- *1:30 pm Associations Of Serum Calcium and Subclinical Hypocalcemia at Calving with Productive, Reproductive and Health Outcomes in Multiparous Jersey Cows – *Ainhoa Valldecabres*
- *1:45 pm Effect Of Prewaning Plane of Nutrition on Abomasal Dynamics in Holstein Calves – *Ben Kasl*
- *2:00 pm Embryo Quality and Development in Sub-Fertile Dairy Cows – *Conrad Reisenauer*
- *2:15 pm Effect of Hyperketonemia on Circadian Patterns of Blood Metabolites and Milk Predicted Constituents in Dairy Cows – *Claire Seely*
- *2:30 pm Evaluating the Ability of Quarter And Cow Level Somatic Cell Count to Diagnose Intramammary Infections with Non-Aureus Staphylococci (Nas) and Corynebacterium Species – *Caitlin E Jeffrey*
- *2:45 pm Inter-Observer Agreement Between Veterinarians and Dairy Farm Caretakers: A Hierarchical Survey of Antimicrobial Use Decisions – *Rafael Portillo-Gonzalez*
- *3:00 pm The Effect of Pre, Pro and Symbiotic Supplementation in Milk to Pre-Weaned Holstein Heifers on Bodyweight Gain and Health Outcomes – *Padraig Lucey*
- *3:15 pm Retrospective Analysis on Timing of Non-Infectious Heart Disease Deaths During Feeding Period in US Fed Cattle – *Blaine Johnson*
- *4:00 pm Transcriptomic Profiling of BRD-Attributed Mortality in Stocker Cattle Identifies Active Inflammatory and Antiviral Pathways at arrival – *Matthew Scott*
- *4:15 pm Alternative Feed Additive Strategies to Reduce Antimicrobial Use in Finishing Cattle – *Jared Bourek*
- *4:30 pm Mixed Methods Study Investigating the Effect of Veterinary Experiences Prior to and During Veterinary School on Job Satisfaction in Mixed Practice – *Julia Wells*

- *4:45 pm Logistic Analysis of Responses to the 2018 Survey of AABP Members About Gender Bias – *Gabryelle N Gilliam*
- 5:00 pm Failure of a Novel Surface Polysaccharide Targeting Vaccine to Prevent Tritrichomonas Infection in Beef Cattle – *Colette Cywes-Bentley*
- 5:15 pm The Effect of Vaccination with a Mannheimia Haemolytica Subunit Vaccine on Milk Yield in Lactating Dairy Cows – *Mark Armfelt*

FRIDAY, SEPTEMBER 25

- 8:00 am Determining Associations of Bovine Respiratory Disease Intertreatment Interval with Case Fatality Risk and Factors Influencing Intertreatment Interval – *Brad White*
- 8:30 am Effect of Vaccination of Beef Cows During Gestation on Transfer of Passive Immunity and Clinical Protection of Calves Against Experimental Challenge with BRSV – *Manuel Chamorro*
- 8:45 am Surveillance of Anaplasma Marginale in Arkansas Beef Cattle Herds – *Lauren Thomas*
- 9:00 am Utilizing Leukocyte Differentials at Arrival to Predict Death in Feedlot Calves – *Norah G Bate*
- 9:15 am Selenium Supplementation of Beef Cows: Effects on Cattle Health and Calf Production; Preliminary Results on Calf Birth Weight, 2 Month Weight, Immunoglobulin Transfer and Duration of Immunity – *Joseph J Klopfenstein*
- 9:30 am Average Daily Gains and Response to Artificial Insemination in Beef Replacement Heifers with Persistent Subclinical Theileria Orientalis Ikeda Genotype Infection – *Sierra R Guynn*
- 9:45 am Effect of Perioperative Penicillin G Procaine on Bovine Castration Wound Infection Rate – *Kelly Still Brooks*
- 10:45 am A Survey to Identify Factors Associated with Veterinarian and Administrative Staff Turnover in Rural Veterinary Practices – *Gabryelle Gilliam*



RESEARCH SUMMARIES

FRIDAY, SEPTEMBER 25

- 11:00 am Thematic Analysis of Free-Text Responses to the 2018 Survey of AABP Members About Gender Bias – **Virginia Fajt**
- 11:15 am Blood Calcium as a Prognostic Indicator of Left-Displaced Abomasum Post-Surgical Correction Success – **Jessica McArt / Kathryn Bach**
- 11:30 am Association of Subclinical Hypocalcemia Dynamics on Dry Matter Intake, Milk Yield, and Plasma Mineral Status During the Periparturient Period – **Claire Seely**
- 11:45 am Calf Age Does Not Effect Test Sensitivity or Specificity for Detection of BVD Virus in New Zealand – **Jim Rhoades**
- 12:00 pm A Randomized Control Trial to Evaluate Propylene Glycol Alone or in Combination With Dextrose as a Treatment for Hyperketonemia in Dairy Cows – **Michael Capel**
- 2:00 pm Identifying Barriers to Successful Dairy Cow Lameness Management Using Stakeholder Focus Groups – **Erin Wynands**
- 2:15 pm A Controlled Trial Assessing the Effect of Gradual Cessation of Milking Prior to Dry-Off on the Risk of New Intramammary Infection and Well-Being in Dairy Cows – **Matthias Wieland**
- 2:30 pm Investigation of the Relationship Between Method of Processing Recycled Manure Solids Bedding and Udder Health and Production on Midwest Dairy Farms – **Sandra Godden**
- 2:45 pm Investigation of the Relationship Between Method of Processing and Bacteria Counts in Ready-To-Use Recycled Manure Solids Bedding on Midwest Dairy Farms – **Sandra M Godden**
- 3:00 pm Oral Electrolyte Composition and Fluid Meal Type Influence the Abomasal Environment In Holstein Calves – **Ben Kasl**
- 3:15 pm Effects of Plane of Nutrition and As-Fed Milk Replacer Temperature on Abomasal Dynamics in Holstein Calves – **Ben Kasl**

- 4:15 pm Efficacy of a Stabilized Liquid Potassium Sorbate Preservative to Reduce Bacterial Proliferation in Colostrum or Tank Milk Stored by Refrigeration or at Room Temperature – **Nicole O'Sell**
- 4:30 pm The Effect of Early Vs. Late Pairing on Measures of Dairy Calf Health, Performance, and Behavior Through Weaning – **Whitney Knauer**
- 4:45 pm Pharmacokinetics of Cannabidiolic Acid in Cattle Following Oral Dosing of Industrial Hemp (Cannabis Sativa) – **Michael Kleinhenz**
- 5:00 pm Passive Immunity and Colostrum Management Practices on Ontario Dairy Farms and Auction Facilities: A Cross-Sectional Study – **Charlotte Winder**
- 5:15 pm Association of Uterine Fluid Metabolites with the Occurrence of Metritis in Dairy Cows: A Case-Control Study – **Luciano Caixeta**
- 5:30 pm Efficacy of a Second Intrauterine Cephalosporin Infusion in Dairy Cows for the Treatment of Purulent Vaginal Discharge and Endometritis – **Jocelyn Dubuc**
- 5:45 pm Dairy Cattle On-Farm Euthanasia: A Survey Of Canadian Veterinarians' Practices – **Marjolaine Rousseau**

SATURDAY, SEPTEMBER 26

AASRP RESEARCH SUMMARIES

- 10:30 am Clinical Trial to Determine Efficacy of Copper Oxide Wire Particle Administration to Decrease Gastrointestinal Nematode Concentrations in Adult Alpacas – **Andrea Lear**
- 10:45 am A Survey of Coccidia Shedding Among Small Ruminants on St. Kitts and the Appalachian Region – **Jerry R Roberson**
- 11:00 am Determination of the Milk Pharmacokinetics and Depletion of Milk Residues Following Intramammary Administration of Cephalosporin Sodium in Lactating Dairy Goats – **Kristen P Hayman**
- 11:15 am A Comparison Study of Common Concerns and Diseases of the Small Ruminant Producer – **Taylor Middleider**

STUDENT CASE PRESENTATION

**Believe.
Engage.
Connect.**

Student AABP members enrolled in North American veterinary colleges will compete by presenting interesting cases treated or research projects completed. There will be time for interactive discussion between the presenters and audience to promote relevant comments by experienced practitioners. Contestants are judged on the quality of their investigation or research and quality of the presentation. In 2020, \$1,500 will be awarded for the first place clinical case, \$1,500 for the first place research presentation, and \$750 for the second place research presentation.

ALL STUDENT CASE PRESENTATIONS ARE THURSDAY, SEPTEMBER 24TH FROM 8:00 AM TO 5:00 PM IN THE CONVENTION CENTER M108/111

- | | | | |
|----------------|--|----------------|---|
| 1:30 - 1:50 pm | Acute Onset of Weakness, Recumbency And Death Loss in a Longhorn Herd
<i>Ashlee Adams – Texas A & M University</i> | 3:10 - 3:30 pm | Using Physical Traits and Reproductive Measurements to Predict Early Conception in Beef Replacement Heifers
<i>Logan McQuillen – Iowa State University</i> |
| 1:50 - 2:10 pm | Iatrogenic Transmission of Anaplasma Marginale in a Dairy Herd
<i>Jordan Farrell – Auburn University</i> | 4:00 - 4:20 pm | Development of a Clinically Relevant Lameness Model for Evaluation of Analgesic Strategies in Dairy Cattle
<i>Emily Davis – Iowa State University</i> |
| 2:10 - 2:30 pm | Urolithiasis in a Bull
<i>Elizabeth Rumfola – Louisiana State University</i> | 4:20 - 4:40 pm | Intravenous Dextrose as a Treatment for Hyperketonemia in Dairy Cows –
<i>Isabella Knecht – Cornell University</i> |
| 2:30 - 2:50 pm | Genetic Variability of Bovine Coronavirus Isolated from Respiratory and Enteric Tract of Calf-Ranch Raised Dairy Calves
<i>Caroline Cunningham – Texas A & M University</i> | 4:40 - 5:00 pm | Effects of Oral Administration of an Acidogenic Bolus Product at Dry-Off on Performance Dairy Cows
<i>Taylor Thomsen – Iowa State University</i> |
| 2:50 - 3:10 pm | Comparison of Two Recipient Synchronization Protocols for Embryo Transfer in Lactating Holstein Dairy Cows –
<i>Thomas Duff – University of Minnesota</i> | 5:00 - 5:20 pm | Efficacy of Transdermal Flunixin Meglumine in a Multimodal Pain Management Protocol for Disbudding in Calves
<i>Mary Wright – University of Pennsylvania</i> |



**Wear your name
badge and masks
at all times!**

**JOB
FAIR**



**Thursday, September 24
7:00 - 9:00 PM**

**Convention Center
L27/28/29/20**

**Must be registered for the Job Fair
(contact aabphq@aabp.org)**



SCIENTIFIC SESSIONS

THURSDAY, SEPTEMBER 24

CLINICAL FORUMS

7:00 - 9:00 am: All Clinical Forums are in the Marriott (*fee required*)

- 1 Antimicrobial Stewardship: Substance vs. Hype – **Mike Apley**, *Bluegrass I/II*
- 2 Speaking to Grow Your Business – **Eric Rooker**, *Rose*
- 3 Darts to Deliver Medications is a Serious BQA Challenge – **Dee Griffin**, *Marriott Ballroom VII/VIII*
- 4 Vaccines – How Much is Too Much – **Chris Chase**, *Marriott Ballroom IX/X*
- 5 Small Ruminant Parasitology – **Pippa Gibbons**, *Marriott Ballroom VI*
- 6 F.A.R.M. Program and the Veterinarian’s Role in Farmer’s Assuring Responsible Management of Dairies – **Brandon Treichler**, *Marriott Ballroom V*
- 7 Understanding Genomic Predictions and Genomic Technology to Define and Assist Client Genetic Progress – **Pat Comyn**, *Marriott Ballroom, III/IV*
- 8 Bull Breeding Soundness Exam – **Jennifer Koziol**, *Marriott Ballroom I/II*

AASRP – Convention Center Ballroom CDE

- 8:00 - 9:00 am The Changing Landscape of Parasite Control in Small Ruminants: What Practitioners Need to Know, **Ray Kaplan**
- 9:00 - 10:00 am Research Updates in Small Ruminant Parasitology, **Ray Kaplan**

KEYNOTE – Convention Center Ballroom CDE

- 10:45 - 11:45 am Believe. Engage. Connect. **Amy te Plate-Church**
- 11:45 - 12:15 pm AABP 2021 Vice President Candidate Introductions

STUDENT CASE PRESENTATION COMPETITION

1:30 – 5:30 pm – *Convention Center M108/111*

RESEARCH SUMMARIES

1:30 – 5:30 pm – *Convention Center M104/107*

PRACTICE MANAGEMENT – Convention Center Ballroom AB

- 1:30 - 2:00 pm Job? Career? or Calling? How Do We Foster The Next Generation of Vets? **Eric Rooker**
- 2:00 - 2:30 pm Securing Employment, Mentorship and Quality of Life from the New Employee Perspective, **Tera Rooney Barnhardt**
- 2:30 - 3:00 pm Experiences of a Faculty Mentor Assisting Students in the Job Search and Interview Process, **Troy Brick**
- 3:00 - 3:30 pm Building Your Bullpen; How to Set Yourself or a Practice Up For Future Hiring Success, **Eric Rooker**
- 4:00 - 4:30 pm Student Expectations For Their First Job as a Large or Mixed Animal Veterinary Associate, **Troy Brick**

- 4:30 - 5:00 pm Rural Practitioner Survey Results; Compensation of Associates and Owners, **Brad White**
- 5:00 - 5:30 pm Brad White A Survey of Rural Practitioner Job and Career Satisfaction, **Brad White**

CLINICAL SKILLS – Convention Center, Ballroom CDE

- 1:30 - 2:00 pm Update on Trichomoniasis, **Charles Estill**
- 2:00 - 2:30 pm Tips and Tricks for Managing Bovine Dystocia, **Charles Estill**
- 2:30 - 3:00 pm Clinical Tips: Calf Hernia Repair, **Amanda Hartnack**
- 3:00 - 3:30 pm Clinical Tips: C-Section, **Amanda Hartnack**
- 4:00 - 4:30 pm Antimicrobial Susceptibility Testing - Beyond S/I/R, **Amanda Kreuder**
- 4:30 - 5:00 pm On-Farm Use of Point-of-Care Chemistry Analyzers in Bovine Practice, **Amanda Kreuder**
- 5:00 - 5:30 pm How To Save The Eye On 95% of Your Cancer Eye Surgeries, **Mark Hilton**
- 7:00 - 9:00 pm Job Fair, *Convention Center L27/28/29/30*

THURSDAY BREAKS AND MEALS:

- 12:15 - 1:30 pm Lunch, *Exhibit Hall*
- 3:30 - 4:00 pm Milk/Refreshment Break, *Exhibit Hall*
- 5:30 - 6:30 pm Wine, Beer, Bourbon and Cheese Reception, *Exhibit Hall*
- 9:00 - 12:00 am Student Reception (Location TBD), Sponsored by **Endovac Animal Health**

FRIDAY, SEPTEMBER 25

11TH ANNUAL AABP QUIZ BOWL

8:00 - 12:00 pm – *Exhibit Hall*

CLINICAL SKILLS – *Convention Center Ballroom CDE*

8:00 - 8:30 am Determination of Fetal Viability, **Andrea Lear**

8:30 - 9:00 am On-Farm Calf Assessment and Practical Fluid Therapy, **Andrea Lear**

9:00 - 9:30 am No Loose Parts Necropsy, **Dee Griffin**

9:30 - 10:00 am Techniques, Tools, Starting Cultures and Shipping Specimens, **Dee Griffin**

HOT TOPICS – *Convention Center Ballroom CDE*

10:45 - 11:30 am Mental Health in the Head Catch: Erasing the Line Between Mental and Physical Illness, **Josh Tanguay**

11:30 - 12:15 pm Antimicrobial Use in 29 Dairies and 22 Beef Feedyards, **Mike Apley**

RESEARCH SUMMARIES

8:00 - 12:15 pm – *Convention Center M104/107*

AASRP – *Convention Center M108/111*

8:00 - 9:00 am Interpreting Small Ruminant Milk Quality Reports, **Andrea Mongini**

9:00 - 10:00 Developing Small Ruminant Mastitis Treatment Protocols: Assisting Dairies in Management of Milk Quality, **Andrea Mongini**

10:45 - 11:30 am Use of RFID in Small Ruminant Dairies: What To Do After You Figure Out Where To Attach The Microchip To The Goat, **Andrea Mongini**

11:30 - 12:15 pm Producer/Veterinarian Perspective: Adding Value to Small Ruminant Dairies, **Andrea Mongini**

PRACTICE MANAGEMENT – *Convention Center Ballroom AB*

8:00 - 8:30 am Your Best Business Asset - A Great Team, **Becky Taylor**

8:30 - 9:00 am Building Blocks for Positive Team Culture, **Becky Taylor**

9:00 - 9:30 am AAA Mentorship, **Eric Rooker**

9:30 - 10:00 am Driven to Serve: Mobile Bovine Production Practice, **Tera Rooney Barnhardt**

10:45 - 11:30 am A Contemporary Look at Performance Evaluation: The Annual Review is Dead, Long Live the Career Dialogue, **Kurt Oster**

11:30 - 12:15 pm Conflict Resolution: Not All Conflict is Bad: How to Jump into the Good Kind and Create a Win-Win, **Kurt Oster**

BEEF SESSION – *Convention Center Ballroom AB*

2:00 - 2:45 pm Vaccination Strategies for Beef Cattle, **John Richeson**

2:45 - 3:45 pm Antibiotic Selection, Use and Residue Avoidance: Things to Consider, **Dee Griffin**

4:15 - 5:00 pm Antibiotics: A One Health Perspective, **Lucas Panteleon**

5:00 - 6:00 pm Applying Lessons from Clinical Trials to Antimicrobial Stewardship, **Keith DeDonder**

RESEARCH SUMMARIES AND AASRP RESEARCH SUMMARIES

1:45 - 6:00 pm – *Convention Center M104/107*

DAIRY SESSION – *Convention Center Ballroom CDE*

2:00 - 3:00 pm Management Barriers to Fertility of Lactating Dairy Cows, **Paul Fricke**

3:00 - 3:45 pm Nutritional Interventions for Prevention of Metabolic Disorders in Transition Cows, **Heather White**

4:15 - 5:15 pm Uterine Problems: Risk Factors and Impact on Herd Performance, **Mark Thomas**

5:15 - 6:00pm Dairy Replacement Heifer Economics, **Kevin Dhuyvetter**

FRIDAY BREAKS AND MEALS:

10:00 - 10:45 am Milk/Refreshment Break, *Exhibit Hall*

12:15 - 1:45 pm Lunch in the *Exhibit Hall*, Sponsored by **IDEXX**

3:45 - 4:15 pm Milk/Refreshment Break, *Exhibit Hall*

6:00 - 9:00 pm Friday Night Dinner, Scholarship presentations and Amstutz Scholarship Auction – Live Stream and Mobile Bidding available for ALL members! *Convention Center, Hall C*

SCHOLARSHIP PRESENTATIONS, AMSTUTZ AUCTION AND DINNER



Friday, September 25, 6:00 - 9:00 pm

Convention Center Hall C

For mobile bidding go to louisville.aabp.org and click on the Amstutz Auction link.



SCIENTIFIC SESSIONS

SATURDAY, SEPTEMBER 26

- BEEF SESSION** – *Convention Center Ballroom AB*
 8:00 - 9:00 am Untangling Conflicting Messages - Optimal Approaches for Controlling Internal Parasites On Pasture in The Age of Drug Resistance, **Ray Kaplan**
 9:00 - 10:00 am Preventing and Managing Neonatal Calf Diarrhea Through Strategic Management, **Franklyn Garry**
 10:30 - 11:30 am Getting The Most Out of Your Grass - Strategies For Implementing Management Intensive Grazing (MiG), **Jason Tower**

- DAIRY SESSION** – *Convention Center Ballroom CDE*
 8:00 - 8:45 am Data Based Decision Making, **Fred Muller**
 8:45 - 9:30 am Calf Nutrition Basics for the Veterinarian, **Jon Robison**
 9:30 - 10:00 am Feeding and Management of Dry Cows with a Focus on Improving Calf Health, **Jon Robison**
 10:30 - 11:30 am What is all the Fuss Over Microbiome and Calf Immunity? It is More than Bugs, Guts and Tears, **Chris Chase**

- AASRP RESEARCH SUMMARIES**
 10:30 - 11:30 am – *Convention Center M104/107*

- STUDENTS/NEW GRADUATE SESSIONS** – *Marriott M112 Conference Theater*
 9:00 - 10:00 am An Easier Way to Deliver Calves, **Mark Hilton**
 10:30 - 11:30 am The American Cow Vet: How Veterinarians Can Add Value to Ag Operations And Communities, **Marissa Hake**

- AASRP** – *Convention Center M104/107*
 2:30 - 3:30 pm Practice-Growers - Starting Off in Small Ruminant Practice, **Blake Miller**
 3:30 - 4:30 pm Leveraging Social Media for Small Ruminant Practices, **Blake Miller**



SATURDAY BREAKS AND MEALS:

10:00 - 10:30 am
Milk/Refreshment Break

11:30 - 2:00 pm
Annual Business Meeting and Awards Luncheon, *Convention Center Hall CD*

All members welcome to join us virtually!

AABP RAFFLE

Don't forget to support the AABP Amstutz Scholarship Fund and the AABP Foundation by buying raffle tickets! First and second prizes for each raffle are (1) a free regular 2021 Annual Conference or Recent Graduate Conference registration and (2) One Carhartt AABP logo'd vest.

BUY TICKETS ONLINE OR AT LOUISVILLE.AABP.ORG AND CLICK ON AMSTUTZ AUCTION!

- BEEF SESSION** – *Convention Center Ballroom AB*
 2:30 - 3:15 pm Making The Best of What You've Got! Strategies For Handling Cattle in Suboptimal Facilities, **Lynn Locatelli**
 3:15 - 4:15 pm What We Know, That Just Ain't So - Understanding Pain Management in Pre-weaned Beef Calves, **Karen Schwartzkopf-Genswein**
 4:15 - 4:45 pm Darts, A Real BQA Dilemma: What You Need to Think About Before Using Remote Drug Delivery, **Dee Griffin**

- DAIRY SESSION** – *Convention Center Ballroom CDE*
 2:10 - 2:25 pm Student Case Presentation Winner
 2:30 - 3:15 pm Nutritional Regulation of Gastrointestinal Development in Calves, **Michael Steele**
 3:15 - 4:00 pm Emerging Topics in Dairy Cattle Welfare: Perspective for Progressive Practitioners, **Brandon Treichler**
 4:00 - 4:45 pm Gut-Mammary Axis: Implications for Udder Health and Mastitis Susceptibility, **Ehsan Khafipour**

- STUDENT SESSIONS** – *Marriott M112 Conference Theater*
 2:30 - 3:30 pm Climbing Mt. Debt: Navigating Your Student Loans, Repayment Options and Financial Plans, **Tony Bartels**
 3:30 - 4:30 pm Climbing Mt. Debt: Saving For Retirement and Building Wealth in The Face of Student Debt, **Tony Bartels**

- PRACTICE TIPS** – *Convention Center Ballroom CDE*
 5:00 - 5:12 pm Revisiting the Holy Land, **Mark Hardesty**
 5:12 - 5:24 pm Sweet and Cool Tricks, **Dallas Duncan**
 5:24 - 5:36 pm A Form For Everything, **Eric Rooker**
 5:36 - 5:48 pm The Top Ten Ways to Know You are a Food Animal Veterinarian and Some Tips to Make It Easier, **Margaret Masterson**
 5:48 - 6:00 pm Bovine Necropsies in the Digital Age, **Eric Behlke**