

**125th
Annual Meeting**

**SOUTH DAKOTA
VETERINARY MEDICAL
ASSOCIATION**



August 17-20, 2016

Best Western Ramkota Hotel
& Conference Center
2111 N LaCrosse Street
Rapid City, SD

MESSAGE FROM OUR PRESIDENT

President's Welcome

Welcome to the 125th South Dakota Veterinary Medical Association Annual Meeting and Continuing Education Program. This meeting provides a great opportunity for us to renew old acquaintances and welcome the new practitioners to our Association. It also provides a way for us to share our collective expertise for the betterment of the profession.



We have a lot in store for our time together, and I hope you will take advantage of all we have to offer. In addition to the 36 hours of Continuing Education credits that will be offered, we will celebrate the 125th anniversary of our association with a look back at milestones in SDVMA's history. We also have a number of industry partners slated to exhibit the latest in technology and products for us throughout the meeting. These exhibitors help make the meeting possible through their financial support, so please take a few moments to stop by the booths and thank them for being with us.

There are great opportunities to enjoy the meeting with your family and reconnect with colleagues. On Wednesday, join us for a Steak Fry at Old Storybook Island to kick off the meeting. And as always, there will be fun for a great cause when the Alliance hosts its annual auction to benefit the SDVMA Foundation on Thursday evening. The SDVMA President's Reception is Friday evening. Preceding the President's Reception, there will be a New Practitioner Networking Social for our newest practitioners to meet one another and share new practice questions and opportunities.

I look forward to seeing you at the meeting and hope can join us for any or all of the social opportunities. We appreciate hearing your ideas on how SDVMA can better serve your needs and your thoughts on our profession. I look forward to seeing you!

Sincerely,

Christine K Teets DVM

Christine Teets, DVM
SDVMA President

REGISTRATION

By mail:

South Dakota Veterinary Medical Association
Box 2175, SDSU
Brookings, SD 57007
Ph: 605-688-6649

On-line:

www.sdvmed.org

MEETING OVERVIEW

Wednesday, August 17

- 1:00—5:00 Registration — Convention Center II Foyer
- 2:00 p.m. SDVMA Board Meeting — Badlands
- 6:00 p.m. Steak Fry at Old Storybook Island, 2911 Canyon Lake Dr.
Sponsored by Elanco in partnership with MWI Veterinary Supply and Animal Health International/Patterson Veterinary

Thursday, August 18

- 7:00 a.m. Past Presidents' Breakfast—for past presidents & current board members — Pactola
- 7:00—5:00 Registration — Convention Center II Foyer
- 7:00 a.m. Continental Breakfast — Exhibit Hall
- 8:00—12:00 Continuing Education program
- 8:30—10:00 Alliance Business Meeting & Breakfast— Badlands
- 10:00—2:00 Rabies Titer Testing — Exhibit Hall
- 12:00 noon Luncheon (veterinarians, technicians, students, & spouses) — Pactola
- 1:00—5:00 Continuing Education program
- 4:00—5:00 Scholarship Foundation Meeting — Roosevelt
- 5:00 p.m. Auction Market Meeting — Lincoln
- 5:30 p.m. Social—Exhibit Hall
- 6:30 p.m. Dinner Buffet sponsored in part by Iowa State University College of Veterinary Medicine — Pactola
- 7:30 p.m. SDVMA Alliance Auction — Pactola

Friday, August 19

- 7:00—12:00 Registration — Convention Center II Foyer
- 7:00 a.m. Continental Breakfast — Exhibit Hall
- 8:00—12:00 Continuing Education program
- 12:00—2:00 Lunch and SDVMA Business Meeting – Pactola
- 2:00—2:30 SDSU Cheese & crackers hosted by SDSU Veterinary & Biomedical Sciences / Animal Disease Research & Diagnostic Lab
- 2:30—5:00 Continuing Education program
- 4:00 p.m. Exhibit area closes
- 5:00 p.m. New Practitioner Networking Social (Practitioners 1-7 years) — Bear Butte
- 6:00 p.m. SDVMA Social — Pactola
- 6:30 p.m. President's Reception — Pactola

Saturday, August 20

- 7:00 a.m. Continental Breakfast – Pactola
- 8:00—12:00 Continuing Education program

CONGRATULATIONS



to our 2016 graduates from South Dakota

Dr. Dustin Wade Ahrendt
Dr. Erin Berg
Dr. Colton Duxbury
Dr. Casey Lynn Kaltenbach
Dr. Andrea Joyce Kroeger
Dr. Jamie R. Plagman
Dr. Karisa Ann Polzen
Dr. Stephanie J. Smith
Dr. Emily Louise Stahl
Dr. Alyssa Elaine Taplett
Dr. Amber Annette Wolken

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SDVMA LEADERSHIP

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Vice President	Michelle Jensen, DVM, Harrisburg, SD
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District 3 Rep	Ethan Andress, DVM, Hettinger, ND
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AVMA Delegate	Chris Chase, DVM, Brookings, SD
AVMA Alternate Delegate.....	Cynthia Franklin, DVM, Yankton, SD

2015—2016 COMMITTEE ASSIGNMENTS

Legislative	Membership	Convention
*Christy Teets	*Cynthia Franklin	*Russ Daly
Travis White	Chris Chase	Craig Hanson
Todd Carr	Ethan Andress	Kevin DiVerde
Kevin Klozenbucher	Chanda Nilsson	Eric Knock
Michelle Jensen	Angela Anderson	Jared Janke
Tom Rentschler	Haley Hoiem	Susan Jones
	Heidi Sorensen	Jeff Heitmann

Finance	Nominating	
*Mark Braunschmidt	*Todd Carr	
Travis White	Tom Rentschler	
Christy Teets	Cindy Franklin	*Chairperson

ALLIANCE LEADERS

Convener	Shari West-Twitero
Secretary.....	Darla Wasson
Treasurer.....	Linda Stangle
Registration co-chairs	Kit Tornberg & Connie McKnight
Veterinary scholarship co-chairs	Linda Stangle, Connie Hageman, and Joyce Good

NEW PRACTITIONER SOCIAL

SDVMA is hosting a special social hour for new practitioners on Friday, August 19th beginning at 5:00 p.m. in the Bear Butte Room. This social hour will provide an opportunity for you to network with practitioners of similar experience and provide feedback to SDVMA on ways the association might help facilitate specific activities or continuing education opportunities of interest to you at this stage in your practice. We hope you can join us for this come and go social hour.

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¹ Data on file. Study Report No. 3833R-60-03-342, Zoetis Inc.
² King ME. The effects of health and management programs on the sale price of beef calves marketed through 10 Superior Livestock video auctions in 2011. Final Report, Zoetis Inc. 2011.
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SCHOLARSHIP FOUNDATION MEETING

The South Dakota Veterinary Medical Scholarship Foundation will meet at 4:00 p.m. on Thursday, August 18 in the Board Room of the Ramkota Hotel and Convention Center in Rapid City, SD, in for the purpose of holding its annual meeting.

The mission of the Foundation is to support students involved in the study of veterinary medicine through financial assistance. The Foundation is managed by a seven member board of directors. Elections of open director positions will be held at the meeting.

AUCTION MARKET MEETING

Auction market inspecting veterinarians are encouraged to attend the Auction Market Veterinarian meeting scheduled for 5:00 p.m. on Thursday, August 18th during the SDVMA Annual Meeting at the Best Western Ramkota Hotel in Rapid City, SD. Dr. Oedekoven, SD State Veterinarian, will be leading the discussion on current auction market issues.

The intent of this meeting is to share information on topics such as: animal ID and the animal disease traceability rule, electronic CVI's and other forms, change of ownership reporting, animal welfare, scrapie requirements, trich issues, and other issues or questions that are brought forward.

SDVMA ALLIANCE

Welcome friends of veterinary medicine. You are invited to the SDVMA Alliance business meeting/social on Thursday morning starting at 8:30. We'll organize for the convention and the year ahead at that time. Our major event is the benefit auction on Thursday evening. The proceeds of this event sponsors regional science fair awards and veterinary and vet tech scholarships as well as working to build the corpus of the SDVMA Foundation. Join us!

Shari West-Twitero

Thursday, August 18

8:30—10:00 Alliance Business Meeting and Breakfast — Badlands

The Alliance hospitality area in the exhibit hall is open at the following times:

Thursday 10:00—12:00 & 1:00—5:00

Friday 7:00—12:00 & 1:00—5:00

Alliance members and friends are invited to all social activities.

LARGE ANIMAL PROGRAM

Legion I

Thursday, August 18

- 8:00—9:30 Leptospirosis in Horses and Cattle;
Internal Medicine for Horses and Cattle—Newer Discoveries;
Dr. Thomas J. Divers
- 9:30—10:00 Break—Visit the Exhibits
- 10:00—12:00 *Dr. Thomas J. Divers*, continued
- 12:00 Lunch
- 1:00—2:30 Anesthetic and Pain Management Techniques in Cattle Using a Multimodal Approach; Anaplasmosis Updates;
Dr. Matt Miesner
- 2:30—3:00 Break—Visit the Exhibits
- 3:00—5:00 *Dr. Matt Miesner*, continued

Friday, August 19

- 8:00—9:30 Calf Immunity: Review and Update; Keys to Effective Vaccination of Calves; Risk Factors for Nursing Calf BRD (Summer Pneumonia”) on Cow-Calf Operations; Immunity and Health in Stocker Cattle;
Dr. Amelia Woolums
- 9:30—10:00 Break—Visit the Exhibits
- 10:00—12:00 *Dr. Amelia Woolums*, continued
- 12:00—2:00 Lunch and SDVMA Business Meeting — Pactola
- 2:00—2:30 SDSU Cheese & crackers hosted by SDSU Veterinary & Biomedical Sciences / Animal Disease Research & Diagnostic Lab
- 2:30—5:00 SDSU Animal Disease Research and Diagnostic Laboratory Case Presentations
- Senecavirus—an Emerging Pathogen in Swine Populations, *Dr. Diego Diel*
 - Cryptosporidiosis in Companion Animals; Improving Your Small Animal Cytology Diagnostics; *Dr. David Knudsen*
 - Update on Differentiating IBR Vaccine and Field Viruses in Case Investigations, *Ben Gillette / Dr. Chris Chase*
 - Detecting *Brucella canis* Cases in Stray Dogs on Pine Ridge and Rosebud Reservations, *Dr. Russ Daly*
 - *Clostridium sordellii* as a Cause of Hemorrhagic Intestinal Lesions in Cattle, *Dr. Dale Miskimins*

Saturday, August 20

- 8:00—12:00 Blue-Green Algae Poisoning in Livestock; Common Vitamin/Mineral Issues and their Diagnoses in Cattle of South Dakota; Effects of Sulfur and Sulfates on Ruminant Health;
Dr. Jeffery O. Hall

SMALL ANIMAL PROGRAM

Legion II

Thursday, August 18

- 8:00—10:00 The Genetic Workup;
Major Genetic Diseases;
Coat Colors and Other Fun Things;
Genetic Testing in Practice;
Dr. Margret Casal
- 10:00—10:30 Break—Visit the Exhibits
- 10:30—12:00 *Dr. Margret Casal*, continued
- 12:00 Lunch
- 1:00—3:00 A Clinical Cytology Review;
Mast Cell Tumor—the Practice Builder & Confidence Crusher;
Canine Lymphoma—Let's Review!!
Updates in Oncology;
Dr. Zachary Wright
- 3:00—3:30 Break—Visit the Exhibits
- 3:30—5:00 *Dr. Zachary Wright*, continued

Friday, August 19

- 8:00—10:00 2016 Rabies Awareness Challenge;
2016 Vaccines and Vaccination—Updates & Insights;
Chronic Cough in the Dog;
Dr. Richard Ford
- 10:00—10:30 Break—Visit the Exhibits
- 10:30—12:00 *Dr. Richard Ford*, continued
- 12:00—2:00 Lunch and SDVMA Business Meeting — Pactola
- 2:00—2:30 SDSU Cheese & crackers hosted by SDSU Veterinary & Biomedical Sciences / Animal Disease Research & Diagnostic Lab
- 2:30—5:00 Those Troublesome Chronic Diarrhea Cases—a few good tips;
Diagnosis and Treatment of Acute Pancreatitis;
Dr. David Twedt

Saturday, August 20

- 8:00—12:00 Abnormal Liver Enzymes—A Clinical Approach;
Chronic Hepatitis—Latest Update in the Dog;
Emerging Newer Liver Diseases;
Feline Triaditis;
Dr. David Twedt

VETERINARY TECHNICIAN PROGRAM

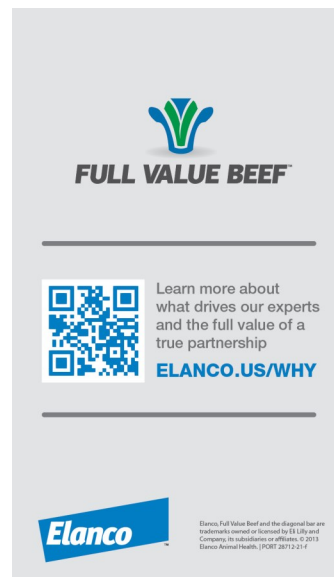
Veterinary Technicians are invited to attend any large or small animal session to receive continuing education credit.

RABIES TITER TESTING

SDVMA, in conjunction with the South Dakota Department of Health, will offer rabies titer testing from 10 am – 2 pm on Thursday, August 18th. Veterinarians and technicians can have blood drawn for testing with reports back to the tested individual.

This service will be provided on a cost recovery basis for \$47.50 per sample. Only checks will be accepted. You may bring samples for yourself or staff in a labeled container. (Name, DOB, address, phone number and date of blood draw).

The Centers for Disease Control and Prevention recommends veterinarians and staff working in rabies enzootic areas (which includes South Dakota) have a serum sample tested for rabies antibody every 2 years.

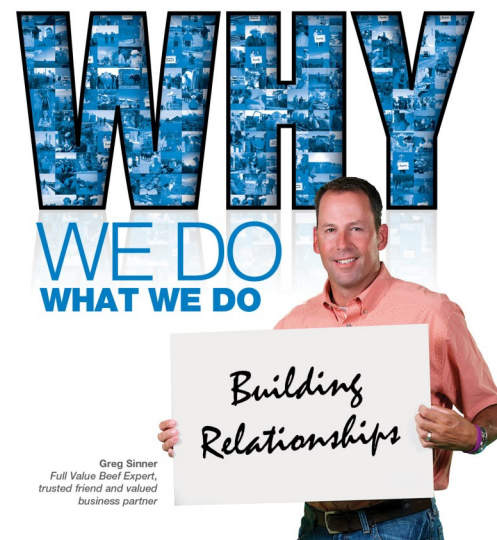


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SPEAKERS

Margret Casal, Dr. med vet, PhD, Dipl ECAR

Dr. Casal earned her veterinary degree from the University of Zurich in Switzerland in 1984. She completed a Fellowship in Pathology in 1984-85, and received her Master's in Vaccinology/Pathology from the University of Bern in Switzerland in 1988. She was a lecturer in Small Animal Reproduction and Pediatrics and a resident in Medical Genetics, Pediatrics and Reproduction. In 1998 she earned her PhD in Pathology/ Gene therapy, and then did a Fellowship in hematology/stem cell biology. She is an Associate Professor of Medical Genetics, Reproduction, and Pediatrics at the School of Veterinary Medicine, University of Pennsylvania. Her clinical interests are pediatrics and genetic diseases, and research interests are gene therapy and genetic skin diseases.



Thomas J. Divers, DVM, ACVIM, ACVECC

Steffen Professor of Veterinary Medicine at Cornell University

Dr. Thomas J. Divers earned his DVM from the University of Georgia and completed an internship in large animal medicine at the University of California at Davis. Dr. Divers returned to the University of Georgia for a residency in large animal internal medicine and ambulatory practice and later worked for 2 years as an assistant professor in the large animal medicine and ambulatory practice at the College. Dr. Divers then moved to the University of Pennsylvania for 10 years where he was an associate professor of large animal medicine and served as chief of the section of medicine at the New Bolton Center of the University of Pennsylvania. Currently Dr. Divers is Professor of Medicine and co-Chief of the Section of Large Animal Medicine at Cornell University.



Dr. Divers has been the recipient of teaching awards at three universities, has received the Educator of the Year Award from both the AAEP and ACVECC and recently received the Cornell University Hospital for Animals Distinguished Service Award for service to referring veterinarians. He is a diplomate of both the American College of Veterinary Internal Medicine and of the American College of Veterinary Emergency and Critical Care. Dr. Divers is currently consulting editor of Veterinary Clinics of North America- Equine Practice. Dr. Divers' current research focuses on newly - discovered hepatitis viruses in horses. Other research activities have included bacterial and toxic causes of liver failure in horses, equine neurological diseases including equine motor neuron disease and equine protozoal myelitis, equine lyme disease, equine leptospirosis, diseases of the urinary system and advances in internal medicine and critical care for horses, foals and dairy cattle.

SPEAKERS

Richard B. Ford, DVM, MS

Dr. Richard Ford is Emeritus Professor of Medicine in the College of Veterinary Medicine at North Carolina State University. He is Board Certified by the American College of Veterinary Internal Medicine and is an honorary Diplomate in the American College of Veterinary Preventive Medicine.

Following graduation from The Ohio State University, Dr. Ford practiced small animal and equine medicine for three years. Subsequently, he completed an internal medicine residency at Michigan State University, then joined the faculty at Purdue University's School of Veterinary Medicine.

Dr. Ford is a Past President of the North American Veterinary Conference and continues his role as a member of the scientific program committee for that Conference. He is a co-author on both the AAHA Canine Vaccine Guidelines and the AAFP Feline Vaccine Guidelines. Outside of veterinary medicine, Dr. Ford spent 28 years with the US Air Force as a Biomedical Scientist. Dr. Ford retired from the USAF Reserve as a Brigadier General, where his last assignment was in the Office of the Air Force Surgeon General at the Pentagon.



Jeffery O. Hall, DVM, PhD, Diplomate ABVT

Dr. Jeffery Hall is a Full Professor at Utah State University, College of Agriculture, in the Animal, Dairy, and Veterinary Sciences Department. He also holds an appointment in the Utah Veterinary Diagnostic Laboratory (UVDL), as the Head of Diagnostic Toxicology.

Dr. Hall has B.S. in Agriculture Economics – Farm and Ranch Management and a Doctorate of Veterinary Medicine from Oklahoma State University. He completed an internship, residency, and a Ph.D. in investigational and forensic veterinary toxicology at the University of Illinois. He is a licensed Veterinarian and Board Certified in Veterinary Toxicology. His ongoing research interests include natural toxins and mineral toxicology/deficiency. He is actively involved with the research at the USDA Poisonous Plant Research Laboratory and the USU Antiviral Institute as a toxicologist, pharmacokineticist, and toxicokineticist. In his role at the UVDL, for the past 19 years, he has analyzed thousands of forage, diet, tissue, and bodily fluid samples, nationwide, for mineral content in order to delineate deficiencies and poisonings.



SPEAKERS

Matt D. Miesner, DVM, MS, DACVIM (LAIM)

Dr. Miesner is originally from rural New Mexico and received his DVM from Washington State University in 1999. Dr. Miesner began his career in private mixed animal practice in Pasco, WA; then completed a Residency, Master's, and ACVIM credentials at Ohio State University VTH, in Food Animal Medicine and Surgery.

Dr. Miesner is a faculty clinician, and teaches primarily 4th year students during senior rotations. He utilizes primary and tertiary referral cases and daily consultation encounters as teaching material. Dr. Miesner does collaborative research with primary investigators on topics such as innovative teaching methods, pain and welfare, and bovine lameness. He has a rounded clinical publication list in respected journals. He has both authored and edited multiple text book chapters.

Dr. Miesner has received awards for Recognition of clinical teaching excellence and hospital service at both Ohio State and Kansas State University.



David Twedt, DVM, DACVIM

Dr. David C. Twedt graduated from Iowa State University and entered an internship and medicine residency in gastroenterology at The Animal Medical Center in New York City. Dr. Twedt then joined the staff of the Animal Medical Center and was also a research associate at the Liver Research Center of Albert Einstein Medical School. Dr. Twedt is currently a Diplomate of the ACVIM, Professor in the Department of Clinical Sciences at Colorado State University in small animal internal medicine.

Dr. Twedt is past President of the ACVIM and Comparative Gastroenterology Society. Publication and research interests include liver disease, gastrointestinal disease and endoscopy. He has also been the recipient of several teaching and research awards. He is also the co-editor of the textbook Current Veterinary Therapy.



Amelia Woolums, DVM, MVSc, PhD, DACVIM, DACVM

Dr. Amelia Woolums is a 1988 graduate of the Purdue University School of Veterinary Medicine. She completed an internship in Agricultural Practices at the Kansas State University College of Veterinary Medicine in 1989, and a residency in Large Animal Internal Medicine at the Western College of Veterinary Medicine in Saskatoon, Saskatchewan, Canada in 1991. She later received her PhD from the University of California at Davis, where she studied aspects of the immune response to bovine respiratory syncytial virus (BRSV) infection in cattle.



SPEAKERS

Dr. Woolums is a diplomate of the American College of Veterinary Internal Medicine and the American College of Veterinary Microbiologists. Dr. Woolums is a faculty member in the Department of Pathobiology and Population Medicine at the College of Veterinary Medicine at Mississippi State University. In addition to clinical teaching and service duties, she undertakes research focused on the host response to infection in bovine respiratory disease (BRD), vaccination to prevent BRD, and immunity in cattle and calves.

Zachary Wright, DVM, DACVM (oncology)

Dr. Zack Wright received his DVM from Texas A&M University, College of Veterinary Medicine in 2004, and completed a one year rotating small animal internship in medicine and surgery at VCA West Los Angeles Animal Hospital in Los Angeles, California. He then completed a residency in small animal oncology at Texas A&M University, and became a Diplomate of the American College of Veterinary Internal Medicine-Oncology in 2008. Upon completion of his residency, Dr. Wright joined the staff at VCA Veterinary Care in Albuquerque, New Mexico. In 2012 he joined VCA Animal Diagnostic Clinic in his home town of Dallas where he now serves as Director of Oncology. Dr. Wright has also served on the ACVIM Marketing and Communications Committee for the last 5 years and is currently in the second year of chairing the committee. He lectures across the country and has published scientific articles and book chapters. In his free time he enjoys spending time with his two boys, golfing and fly fishing.



Animal Disease Research & Diagnostic Laboratory Case Presentations from



Dr. Diego Diel, SDSU
Dr. David Knudsen, SDSU
Ben Gillette / Dr. Chris Chase, SDSU
Dr. Russ Daly, SDSU
Dr. Dale Miskimins, SDSU

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