



**2022**  
**WINTER MEETING**

**JANUARY 20-22, 2022**

**BEST WESTERN PLUS GRANTREE INN • BOZEMAN, MONTANA**



# ••• AGENDA •••

## THURSDAY, JANUARY 20

3:00 – 6:00 pm MVMA Board of Directors Meeting

## FRIDAY, JANUARY 21

6:30 – 8:00 am Registration

7:00 – 8:00 am Breakfast Buffet

### 8:00 AM – NOON

#### Large Animal Session .....4.0 CE

*Benjamin Newcomer, DVM, PHD, DACVIM, DACVPM (Epidemiology), DABT Associate Professor and Dairy Cattle Veterinarian Veterinary Education, Research, and Outreach (VERO) Program Texas A&M and West Texas A&M Universities*

#### Control of Bovine Reproductive Pathogens

Reproductive efficiency is key to the sustainability and profitability of any cattle enterprise. Infectious pathogens, including viral, bacterial, and protozoal agents can negatively impact the reproductive success in our cattle herds. While biologicals exist as a tool to aid control of certain pathogens, other are managed primarily by management strategies. In this presentation, the main pathogens (e.g., bovine herpesvirus 1, bovine viral diarrhea virus, Leptospira spp., Neospora caninum) of concern to the producer, and their control, will be discussed.

#### Toxic Plants Found in Forages

Toxic plants are a common finding in many pastures and hayfields. When grazing, most animals will avoid consumption of toxic plants because of disagreeable tastes of the plant or through learned behavior by the animal. However, when these same plants are incorporated in hay, the animal's ability to avoid their consumption is hampered. The most common plant toxicities associated with contaminated hay are those caused by nitrate-nitrite, perilla mint, and pyrrolizidine alkaloids, although other noxious weeds commonly cause problems, as well.

#### Epigenetic Changes Due to Late-Gestation Stress in Cattle

Fetal programming, as it relates to bovine medicine, is an emerging concept defined as the effect of environmental conditions during embryonic and fetal development on the future health, welfare, and productivity of the calf. Recent evidence shows that stressors in late gestation have potential long-term effects on the developing fetus regarding growth and fertility, among others.

#### Diagnosis of Neurologic Disease in Ruminants

Neurologic disease occurs frequently in cattle and other food-producing species. However, despite the commonality of disease occurrence, arrival at a specific diagnosis is often difficult due to a variety of factors. This presentation will review the neurologic exam and discuss practical diagnostics that can be used in the work-up of commonly encountered neurologic cases.

#### Small Animal Session .....4.0 CE

*Tony M. Woodward, DVM, DAVDC Montana Pet Dentistry and Oral Surgery*

#### The Business of Veterinary Dentistry - It's OK to Make a Profit

This lecture will cover how to develop your dental department to

provide state of the art care, high client satisfaction and the highest profit margin of any aspect of small animal veterinary medicine.

#### Periodontal Pockets - What's the Deal?

Proper treatment of periodontal pockets can be confusing at times. This presentation will simplify the process and give you solid guidelines for providing the appropriate treatment modality.

#### Case-Based Dental Radiology - The Common Stuff

After briefly reviewing normal radiographic anatomy, dental radiographs from a variety of common conditions will be presented. Participants will have a chance to form their own opinions before the answer is given and then each case will be discussed.

#### When to Hold 'em and When to Fold 'em

Despite our best intentions, some teeth cannot be saved and should just be extracted. This presentation will help you decide when a tooth is a lost cause.

Noon – 1:30 pm Lunch Buffet/MVMA Committee Meetings

### 1:30 – 5:30 PM

#### Large Animal Session .....4.0 CE

*Jonathan H. Magid, DVM, MS, DACVIM Equine Veterinarian*

#### Equine Dentistry for Planet Earth

- What are we doing here? A quick review of oral anatomy and our goals for dental work.
- This doesn't have to be a fight! Some thought of safety, sedation, pain control, and useful nerve blocks.
- This is the old way, you will not see that again. Or will you? Discussion of instruments from molar cutters and the Johnson's Universal Float to today's Buck Rogers instruments.
- The Abnormal: what to do about it, what to accept, when to stop, and freakin' miniature horses!
- Take some radiographs! Really!
- Why is he always covered in blood? Tooth extraction using things you probably already have at the clinic and a lot of patience. And taking more radiographs...
- Stranger things: truly odd things that are actually straightforward to fix. And some that aren't.
- Far, far away: Things you should refer to someone you don't like that much.
- Just no! Things not to do, because you have ethics, and you are not that trainer's poodle.

#### Small Animal Session .....4.0 CE

*Elizabeth Layne, DVM, DACVD BluePearl Veterinary Specialists/Montana Veterinary Dermatology*

#### The Dermatology "TPR"

A case-based review of in-house dermatologic tests to increase diagnostic accuracy and improve treatment outcomes. Primarily small animal focused, but concepts are applicable to all species.

#### Update on Feline Atopic Dermatitis

This two-part, case-based lecture will cover the 2021 ICADA systematic reviews on feline allergic skin disease, including pathogenesis, diagnosis, and treatment.

# ••• AGENDA •••



## Phone a Friend! Dermatology Cases from Remote Consults

Approach to the most common dermatologic problems faced by general practitioners based on phone, text, and email questions. Primarily small animal with some equine cases.

5:30 pm Social Hour – Hosted Bar and Hors D’oeuvres

## SATURDAY, JANUARY 22

6:30 – 8:00 am Registration

7:00 – 8:00 am Breakfast Buffet

### 8:00 AM – NOON

#### Large Animal Session .....4.0 CE

Anita C. Dennison, DVM, MS

Medical Team Coach, Blue Heron Consulting

#### Practicing in the Now- Surviving and Thriving in Today’s Rural Practice

Rural veterinary medicine possesses its’ own unique set of challenges, more so in the past year. This four-hour session aims to uncover strategies and resources to create and maintain ethically sustainable rural veterinary medicine, even in tumultuous times. The keys to thriving are effective leadership and management. Success encompasses practice management, financial literacy, leadership, keeping-up-with-the-times, and conflict resolution. Within these, pricing, Profit and Loss Statements, leadership, and conflict management in day-to-day interactions with clients and staff are essential. Feel free to bring your own challenges, price list and P&L to this interactive session.

#### Small Animal Session .....4.0 CE

Sandy Willis, DVM, DACVIM

Small Animal Internist, Zoetis Reference Laboratories

#### Optimize Your Results Through Sample Submission

This talk provides a brief overview of sample collection to optimize quality of results for CBC, urinalysis, chemistries and parasitology, cytology, histopathology and microbiology. Bring your questions.

#### Urinalysis: The Complete Story

We will discuss when and why to perform a urinalysis and then dive into the techniques of the urinalysis including determination of physical and chemical properties, including use of urine cortisol: creatinine and urine protein: creatinine tests. We will then discuss the technique of urine sediment exam and review to include WBC’s, RBC’s, bacteria, crystals and epithelial cells.

#### Blood Smear Evaluation

Hematology analyzers have dramatically improved over the last few years. In addition to a review of the histograms provided by the analyzers on each CBC, blood film evaluation can be crucial to interpretation of analyzer results, and to ensure their accuracy. In this talk, we will discuss blood film preparation and interpretation to include platelets, white cells, red cells, and RBC inclusions.

## When Cytology Steals the Deal: A Guide to Successful Sample Submission

Cytology is an important tool in diagnosing many conditions. In this session, attendees will gain a further understanding of the use of cytology as a diagnostic tool and how it can improve case management. We will discuss sample collection techniques, how to optimize sample quality, and review how samples are processed. The pitfalls of cytology and how to address them will be mentioned. A few cases will demonstrate basic concepts of inflammation and neoplasia. We will also close with a brief discussion of digital cytology.

#### Feral Cat Spay/Neuter Project

As a bonus talk, attendees will be introduced to the Feral Cat Spay/Neuter Project located in Lynnwood, Washington, learn a little about trap-neuter-return and what the FCSNP clinic and other like-minded nonprofits do to serve free-roaming cats.

Noon – 2:00 pm Lunch Buffet/MVMA General Membership Meeting

### 2:00 – 4:00 PM

#### Joint Small and Large Animal Session .....2.0 CE

#### Montana Tuberculosis Update

Tahnee Szymanski, DVM

Assistant State Veterinarian, Montana Department of Livestock

The Montana Department of Livestock is working through epidemiological investigations associated with the detection of tuberculosis in animals that originated from two Montana herds. The animals were identified in July and September 2021 through slaughter surveillance. These animals originated from a beef herd in Blaine County and a beef herd in Madison County. Information on the disease along with an update on the investigation will be provided.

#### Brucella canis in Montana

Anna Forseth, DVM, MPVM

Program Veterinarian, Montana Department of Livestock

Erika Schwarz, DVM, MPH, PhD

Microbiology Section Head, Montana Veterinary Diagnostic Lab

During the fall of 2020, the Department of Livestock noted an increase in *Brucella canis* diagnoses in Montana. Further investigation identified common findings relating to the source of infected dogs. In response, the Department implemented testing requirements of high-risk populations of dogs. This session will discuss epidemiological findings, diagnostic tests options, case management recommendations, and public health implications.

#### Electronic CVIs and More

Tahnee Szymanski, DVM

The Department of Livestock will review recent updates to regulatory documentation and technologies including the extended equine certificate of veterinary inspection, issuing and printing eCVIs in the field, recording official ID on your eCVI, available electronic platforms, RFID tags, and more.

**Thank you!**  
**2022 Winter Meeting Sponsor:**

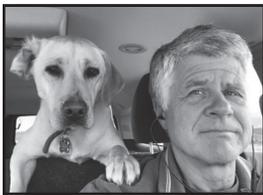


*MVMA extends both recognition and appreciation to Dr. Nancy Belk, MVMA President Elect and 2022 Winter Meeting Chair, for the time and effort she has devoted to planning this event.*



**Benjamin Newcomer, DVM, PHD, DACVIM, DACVPM (Epidemiology), DABT**  
*Associate Professor and Dairy Cattle Veterinarian Veterinary Education, Research, and Outreach (VERO) Program Texas A&M and West Texas A&M Universities*

After receiving his DVM from the University of Florida in 2002, Dr. Newcomer joined a large dairy practice in central California and practiced dairy production medicine for two years. He then served with the Christian Veterinary Mission in Central African Republic for two years assisting pastoralists and small farmers with their livestock. Dr. Newcomer joined the faculty of the Auburn College of Veterinary Medicine in July 2008 where he completed a PhD in bovine virology and served as a food animal clinician in the Large Animal Teaching Hospital. Dr. Newcomer's current position is Dairy Cattle Veterinarian for the Texas A&M College of Veterinary Medicine's VERO Program located in Canyon, Texas at West Texas A&M University.



**Tony M. Woodward, DVM, DAVDC**  
*Montana Pet Dentistry and Oral Surgery*

Dr. Woodward has been involved in veterinary practice since 1981.

During that time, he has owned six

practices, ranging from equine/small animal to a small animal dental specialty practice. Since 2000, he has limited his practice to dentistry and oral surgery. He is board certified in veterinary dentistry by the American Veterinary Dental College and is currently involved in a dental referral practice in Bozeman, Montana. He has lectured internationally on veterinary dentistry, has averaged over 30 lecture/labs a year for the past 16 years and is the co-founder of the first veterinary dental teleradiology service, VetDentalRad.com. Dr. Woodward has taught thousands of veterinarians how to improve dental care in their patients and currently teaches dental training classes in Bozeman. Dr. Woodward is a past president of the Colorado Veterinary Medical Association and a member of the Morris Animal Foundation's Veterinary Honor Roll.



**Jonathan H. Magid, DVM, MS, DACVIM**  
*Equine Veterinarian*

Originally from Salt Lake City, Utah, Dr. Magid graduated from Colorado State University School of Veterinary Medicine in 1990.

After spending six years in a private mixed practice, he completed a residency program

in Equine Internal Medicine at the University of Illinois. While there, Dr. Magid was a Clinical Instructor in Equine Medicine and earned his master's degree with advanced training in equine internal medicine, equine dentistry, equine surgery, and lameness diagnosis and treatment. He also is a Diplomate of the American College of Veterinary Internal Medicine (DACVIM).

Dr. Magid then practiced veterinary medicine in Montana while consulting at Antech Diagnostics, a national veterinary diagnostic laboratory. In 2005, he relocated to Central Texas and began his mobile equine practice which has grown to provide clinic and hospitalization facilities at his ranch in Bertram, Texas.



**Elizabeth Layne, DVM, DACVD**  
*BluePearl Veterinary Specialists/Montana Veterinary Dermatology*

Dr. Elizabeth Layne grew up in Missoula, attended the University of Washington and then Colorado State University for veterinary school on the WICHE program. She moved home to Montana after receiving her DVM

in 2002 and practiced for two years in Ronan in a mixed-animal practice. She moved to Bozeman in 2004, working in small-animal practice until 2013, when she began dermatology specialty training at the University of Wisconsin-Madison School of Veterinary Medicine. Dr. Layne achieved certification by the American College of Veterinary Dermatology (ACVD) in 2017. She stayed on at the UW-Madison as a clinical instructor for two years before moving to BluePearl Veterinary Specialists in the Salt Lake Valley. She was appointed a co-editor for the journal Veterinary Dermatology in 2021 and serves on the ACVD Research and Grants committee. She sees dermatology cases approximately every eight weeks in Bozeman through Montana Veterinary Dermatology (mtvetderm@gmail.com).



**Anita Dennison, DVM, MS**  
*Medical Team Coach Blue Heron Consulting*

Dr. Dennison is a third-generation veterinarian and completed her undergraduate studies at Pepperdine University and Colorado State University in the areas of Microbiology, Biology, Anatomy

and Neurobiology. She graduated from the Colorado State University Veterinary School program in 2000 and continued her studies at C.S.U. to pursue an Internship in Large Animal Medicine. Dr. Dennison then completed a Master of Science degree through the C.S.U. Department of Microbiology, Immunology and Pathology, and a partial Residency in Food Animal Medicine and Surgery. Throughout her career, Dr. Dennison has owned and operated: a large-animal medical and surgical center, a private mixed-animal practice, an online veterinary supply company, and a large-animal ambulatory practice. She has also served as an adjunct professor for Western University College of Veterinary Medicine. Dr. Dennison practiced for 5 years as a small-animal animal emergency veterinarian and as a relief veterinarian throughout the western United States. In addition, she has served as a consultant and attending veterinarian for multiple human trauma medicine training companies, ranging from paramedics and law enforcement to the U.S. Military and its allies. She has recently facilitated development and AVMA accreditation of the Western Colorado Community College Veterinary Technology Program.

# ... SPEAKERS ...



**Sandy Willis, DVM, DACVIM**  
*Small Animal Internist*  
*Zoetis Reference Laboratories*

Dr. Sandy Willis is the small animal internist for Zoetis Reference Laboratories based out of the Seattle lab. She graduated from the UC Davis School of Veterinary Medicine and is board certified in the ACVIM. Dr. Willis is past president of the Washington State Veterinary

Medical Association, served as a delegate from Washington to the AVMA House of Delegates and was elected to the AVMA House Advisory Committee in 2015. In August 2020, she assumed the position of AVMA District XI Director, which includes the states of Washington, Oregon, Alaska, Idaho, Montana and Wyoming. Dr. Willis is chair of the board for the Feral Cat Spay/Neuter Project in Lynnwood, Washington and a member of the South Everett Mukilteo Rotary. After a year of little travel and too many Zoom meetings, Dr. Willis is excited to be traveling around her district, getting to meet veterinarians and staff, learn of their opportunities and challenges, and experience the beauty of our region. Dr. Willis serves as staff for her two cats Fiona and Micki. She enjoys hiking and cycling, traveling, wine appreciation, the arts and reading.



**Tahnee Szymanski, DVM**  
*Assistant State Veterinarian*  
*Montana Department of Livestock*

Dr. Szymanski is a Montana native and 2004 graduate from the Oregon State University College of Veterinary Medicine. Prior to joining the Department of Livestock in 2008, Dr. Szymanski worked in a large animal ambulatory practice. As the Assistant

State Veterinarian, Dr. Szymanski is responsible for the Animal Health Bureau. This includes the state trichomoniasis program; traceability; import requirements; disease reporting; public health issues; as well as other cattle, equine, and poultry disease programs. Outside of work, she enjoys hiking, kayaking, snowshoeing, and camping with her daughter, Campbell.



**Anna Forseth, DVM, MPVM**  
*Program Veterinarian*  
*Montana Department of Livestock*

Dr. Forseth is a program veterinarian for the Montana Department of Livestock in Helena, focusing on emergency preparedness and zoonotic disease programs. Anna is a Montana native and received her DVM from Colorado State University in 2016 and a Masters in

Veterinary Preventive Medicine from Iowa State University in 2020. Prior to taking the position with the Department of Livestock,

Anna spent two years with the Swine Medicine Education Center in Ames, Iowa working on swine research and teaching, and clinical consultation with Smithfield Hog Production-Midwest. Outside of work, Anna, her husband and two kids can usually be found spending time with family and friends or working cattle at the family ranch in Fairfield.



**Erika Schwarz, DVM, MPH, PhD**  
*Microbiology Section Head*  
*Montana Veterinary Diagnostic Lab*

Dr. Schwarz is a Clinical Veterinary Microbiologist at the Montana Veterinary Diagnostic Laboratory in Bozeman, Montana. As Microbiology Section Head, she provides diagnostic technical expertise, veterinary consultation, and oversees daily operations and clinical

testing in the Bacteriology, Virology, Molecular Diagnostics, and Serology sections. Erika received her Bachelor of Science, Master of Public Health, Doctor of Veterinary Medicine, and Doctor of Philosophy degrees from the University of Florida. She is a classically trained virologist and has an extensive background working with a wide variety of human and animal pathogens. Her professional interests include infectious diseases at the human-domestic animal-wildlife interface, diagnostic techniques for high-consequence pathogens, translational medicine, and One Health. Outside of the lab, she and her husband enjoy working with their horses, skiing, hiking, kayaking, and biking.

## REGISTRATION

- **14 Continuing Education Credits**
- **Pre-Registration - before January 3**
  - MVMA Member - \$350
  - Non-MVMA Member - \$480
  - Technician/Office Staff - \$175
- **After January 3 or On-Site Registration**
  - MVMA Member - \$390
  - Non-MVMA Member - \$520
  - Technician/Office Staff - \$215
- **Free for CVM Students or Life Members** (no CE)
  - pre-registration is required; meal tickets must be purchased

**Online:** Quickest & easiest – pay by credit card at [www.mtvma.org](http://www.mtvma.org)

**Mail:** Complete the enclosed registration form and mail with payment to: MVMA, P.O. Box 6322, Helena, MT 59604

**Questions?** Contact Jenny Bloomquist, MVMA Association Coordinator, at 406-447-4259 or email at [jennyb@montana.com](mailto:jennyb@montana.com)

*Proceedings will be available online one week prior to the meeting. Printed proceedings will not be made available at the meeting. Once attendance is verified, CE certificates will be mailed within two weeks after the meeting.*

## ROOM RESERVATIONS

A block of MVMA rooms has been reserved at the Best Western Plus GranTree Inn, Bozeman, at the rate of \$93/night plus taxes. **Discounted rate will be honored until sold out or December 23, 2021.** Call 406-587-5261 and request the MVMA block, group code: MVMA122.



**Best Western PLUS**



# REGISTRATION

## Montana Veterinary Medical Association 2022 Winter Meeting Registration

Best Western Plus GranTree Inn – Friday, January 21 & Saturday, January 22

**Registration Available Online!** Save postage, time and pay with a credit card: visit our website, [www.mtvma.org](http://www.mtvma.org).

**Please Print**

Name \_\_\_\_\_ First CE meeting?  Yes  No  
*As it should appear on your name badge*

Clinic \_\_\_\_\_  
*Provide only if it is used for your mailing address*

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

| Two Day Rate (Friday & Saturday) – includes registration and all meals                          |                |              |                           |
|---|----------------|--------------|---------------------------|
| Total of 14 CE Hours  | Through Jan. 3 | After Jan. 3 | Your Fee (includes meals) |
| MVMA or VMA Member of Other State (not practicing in Montana), <i>Life Member requesting CE</i> | \$350          | \$390        |                           |
| Non VMA Member  | \$480          | \$520        |                           |
| <input type="checkbox"/> Technician <input type="checkbox"/> Office Manager                     | \$175          | \$215        |                           |
| <input type="checkbox"/> Life Member <input type="checkbox"/> Student <b>No CE Awarded</b>      | free           | free         |                           |

| One Day Rate – includes registration and all meals for one day   |                      |                |              |                           |
|--|----------------------|----------------|--------------|---------------------------|
| Friday: 8 CE Hours   | Saturday: 6 CE Hours | Through Jan. 3 | After Jan. 3 | Your Fee (includes meals) |
| MVMA or VMA Member of Other State, <i>Life Members requesting CE</i><br>Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday                       |                      | \$285          | \$325        |                           |
| Non VMA Member<br>Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday   |                      | \$415          | \$455        |                           |
| <input type="checkbox"/> Technician <input type="checkbox"/> Office Manager<br>Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday                |                      | \$145          | \$185        |                           |
| <input type="checkbox"/> Life Member <input type="checkbox"/> Student <b>No CE Awarded</b><br>Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday |                      | free           | free         |                           |

| Guest/Life/Student Meals   | Guest Name: | Meals Fee – Life without CE, Students, Guests ONLY |       |
|--|-------------|--|-------|
| Both Days – all meals  |             |  | \$130 |
| One Day<br>Check: <input type="checkbox"/> Friday<br><input type="checkbox"/> Saturday |             | Friday only  | \$80  |
|  |             | Saturday only                                      | \$50  |
| Friday Evening Reception Only  |             |  | \$25  |

Please let us know if you and/or your guest have any dietary restrictions:

\_\_\_\_\_ Total Amount: \$ \_\_\_\_\_

**Lodging:**

A block of MVMA rooms has been reserved at the Best Western Plus GranTree Inn, Bozeman, at the rate of \$93/night plus taxes. **Discounted rate will be honored until sold out or December 23, 2021.** Call 406-587-5261 and request the MVMA block, group code: MVMA122.

**Send Registration to:** MVMA  
PO Box 6322  
Helena, MT 59604 fax: 406-442-8018

**Questions?** Call or email Jenny:  
406-447-4259  
info@mtvma.org