WE ARE SO EXCITED TO SEE YOU IN PERSON AGAIN!

DON’T MISS FRIDAY NIGHT’S MIDWAY GAMES

BE INSPIRED DURING SATURDAY’S KEYNOTE

STAY UPDATED WITH THE MN VMA APP
2023 SPONSORS

Silver Level

Bronze Level

mvma.org
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MVMA 2022 CE Committees

SMALL ANIMAL PROGRAM
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EQUINE
Julia H Wilson, DVM, DACVIM

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Stephanie Yendell, DVM, MPH, Co-Chair

SMALL RUMINANT
Holly Neaton, DVM, Co-Chair
Cynthia Wolf, DVM, Co-Chair

SWINE
Diane DeWitte, MS
Sarah Schieck Boelke, MS

WEGIVE
Stacy Holzbauer, DVM, MPH, Co-Chair
Megan Schommer, DVM, Co-Chair
Welcome colleagues and friends to the 2023 Minnesota Veterinary Medical Association Annual Meeting, the 126th of our association!

Words cannot express how thankful I am to everyone on page 4 who put in countless hours to bring you programming that provides new information, innovative practice ideas, and the latest in research. You can expect to take home lots of new ideas that can be applied immediately in your practice.

The MVMA is very fortunate to have fantastic support from our Sponsors at the Annual Meeting. You must check-out the Exhibit Hall to take in up-to-the-minute information on products and services the exhibitors have to offer. On Friday night, don’t miss the reception and Midway Games! This is a tremendous opportunity for you to mix and mingle with the exhibitors and colleagues and to make new connections. Plus, you get to take your turn at one of the games to earn a prize. New this year, you will have the opportunity to play Exhibit Hall Bingo while interacting with our exhibitors. Completed cards will be entered into a drawing for a variety of prizes!

If you haven’t already, I highly encourage you to download the Annual Meeting App from the Apple App Store or Google Play. Not only will you be able to create your own schedule for the 3-day event, but you will also be able to access the presenters’ notes and immediately evaluate the session. After the Annual Meeting the App is your gateway for MVMA engagement throughout the year.

To better serve our members, we sought RACE® (AAVSB’s Registry of Approved Continuing Education) approval for most CE offerings. All sessions are approved by the MN Board of Veterinary Medicine.

On Saturday, a crowd is expected for the noon luncheon with Mr. Matt Stuzman – “The Armless Archer”. Join me for Anything is Possible as Matt, a Paralympic medalist in Para-archery and world record holder, inspires you with his remarkable journey.

Again, this year we are happy that the Minnesota Association of Veterinary Technicians (MAVT) will be onsite for their Annual Meeting on Friday and Saturday. They have also put together a great program for their members.

The MVMA Annual Meeting is the place to be for the entire veterinary profession in our state and the upper Midwest region!

I look forward to learning along-side you in the educational sessions and visiting with you in the hallways. Thank you for giving me the opportunity this past year to serve as President of the MVMA. We have a strong and vibrant association. Enjoy the Annual Meeting!

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General Information

Registration Hours
Wednesday, February 1st  3:00 p.m. - 5:00 p.m.
Thursday, February 2nd  7:00 a.m. - 4:00 p.m.
Friday, February 3rd  7:00 a.m. - 4:00 p.m.
Saturday, February 4th  7:00 a.m. - 12:00 p.m.

Name Badges
Name badges are required for all Annual Meeting functions including seminars, exhibit hall, reception, and Midway Games. Security personnel will allow only those with badges into the exhibit area or seminar rooms. Please Recycle Badge holder at MVMA registration.

Guests
Guests (non-DVM) must be registered. Guest registration includes entrance into the exhibit hall and the Friday reception and Midway Games.

Exhibit Hall Information
Thursday, February 2nd  10:50 a.m. - 5:30 p.m.
Friday, February 3rd  7:00 a.m. - 7:00 p.m.
Saturday, February 4th  6:45 a.m. - 11:00 a.m.

Located on the 1st floor in Hyatt Exhibit Hall, the exhibitors will be showcasing state-of-the-art technology, up-to-date information, and the latest products! With over 100 exhibitors to visit and with an exceptional reputation among veterinary suppliers, there is something of interest for everyone. MVMA registrants only! Don’t forget to complete your Bingo Card and return it to the MVMA registration desk. Must be submitted by 11:00 am on Saturday, February 4th.

Continuing Education Tracking Sheet
The CE Tracking Sheet is provided on pages 9 & 10. This form is designed for you to track the sessions you attended and add up the hours earned for re-licensure. Be sure to fill out the form and maintain it for verification when you renew your veterinary license or veterinary technician certification.

Annual MVMA Business Meeting
MVMA members—Plan to attend this meeting! Awards for Veterinarian of the Year, Distinguished Veterinary Service, Outstanding Faculty of the College of Veterinary Medicine, Outstanding Industry Representative, and Emerging Leader are presented. The meeting will be held on Friday, February 3rd, from 12:00 pm - 2:00 pm.

Friday Night Reception & Midway Games
You won’t want to miss this opportunity to mix and mingle with long time colleagues and new friends over appetizers and refreshments. Take your turn at one of the Midway Games to earn a prize! Join us in the Exhibit Hall (1st floor) on Friday, February 3rd from 5:30 pm - 7:00 pm.

Nursing Mother’s Room
A Nursing Mother’s Room is available during the Annual Meeting. One area is multi-occupancy room furnished with a mini fridge and water station. Plus, three (3) private rooms with a lounge chair, side tables, and easy to reach electrical outlets. Located in Hiawatha on the 2nd floor.

WiFi
Complimentary WiFi is offered in the Hyatt space. Choose wireless network: hyatt meeting space and the access code is: mvma2023. This is a different network from your sleeping room, so make sure you are on the correct network when attempting to connect.

Educational Session Disclaimer
All logos, photos, etc. used in the educational sessions are the property of their respective copyright owners and are used at the Annual Meeting for educational purposes only. Please do not take photos of any of the slides.

Electronic Devices
Please mute all electronic devices while in session. Thank you.

MVMA App
Available for your Android or iPhone device, the MVMA App is available through the App Store or Google Play at no cost to you. It includes the schedule, room assignments, speaker information, evaluations, handouts, facility map, and much more. After the meeting, the MN VMA app will become your mobile tool for everything MVMA. Stay up to date on events, CE, and membership. Don’t miss out on this opportunity to stay connected.

Handouts
You can access the speaker handouts through the Annual Meeting App. Or you can go online to https://bit.ly/mvma2023

SAVMA Coat Check
SAVMA offers coat check in the Nicollet Promenade (1st Floor). Donations received will be used to support student programs. Check your coat when you arrive and support this good cause!

Consent to Use Photographic Images
Registration and attendance at, or participation in, the MVMA Annual Meeting and other activities constitutes an agreement by the registrant to MVMA’s use and distribution (both now and in the future) of the registrant or attendee’s image and/or voice. This includes the use and distribution in photographs, videos, electronic reproductions, and audiotapecs of such events and activities.
## PRE-CONFERENCES

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<td>Opioid Crisis</td>
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<td>How to Get Started with Avian Medicine</td>
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<td>Out-of-Season Breeding Management</td>
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<td>New Analgesic Updates</td>
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<td>Mineral and Vitamin Issues</td>
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<td>New Trends in State Veterinary Regulation and MN Updates</td>
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<td>Update on Cancer: Diagnostics and Treatment</td>
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**RACE approval pending. The RACE Program number is 20-982694. This program has been submitted for 115 hours of continuing education credit in jurisdictions that recognize RACE approval. All sessions are approved by the Minnesota Board of Veterinary Medicine. Max CE credits available is 30 for one individual.**
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<td><strong>On-Farm Nutritional Assessments</strong>&lt;br&gt;Ms. Abby Keegan&lt;br&gt;▪ 1.0 Medical</td>
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<td><strong>Broadmoor and Growing Horse Nutrition</strong>&lt;br&gt;Ms. Abby Keegan&lt;br&gt;▪ 1.0 Medical</td>
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<td><strong>The Hip</strong>&lt;br&gt;Dr. Robert Silver&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Introduction to Nutraceuticals</strong>&lt;br&gt;Dr. Robert Silver&lt;br&gt;▪ 1.0 Medical</td>
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<td><strong>Equine Metabolic Disorders</strong>&lt;br&gt;Ms. Abby Keegan&lt;br&gt;▪ 1.0 Medical</td>
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<td><strong>Start Off on the Right Paw</strong>&lt;br&gt;Dr. Robert Silver&lt;br&gt;▪ 1.0 Medical</td>
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<td><strong>Front Lines of 2022 HPAI Outbreak</strong> Dr. Victoria Hall&lt;br&gt;▪ 1.0 Medical</td>
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<td><strong>If a Picture is Worth 1000 Words</strong> Dr. Elizabeth Giuliano&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Diagnosis of Heart Failure</strong> Dr. Sandy Tou&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>The Benefits of Benefits</strong> Mr. Andy Ahlberg &amp; Ms. Stacy Meheen&lt;br&gt;▪ 1.0 Non-Medical</td>
<td><strong>Packer’s Perspectives</strong> Dr. Zeb Gray&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Canine Brucellosis in MN</strong> Dr. Veronica Bartsch&lt;br&gt;▪ 1.0 Medical</td>
<td></td>
</tr>
<tr>
<td><strong>Dental Emergencies &amp; Oral Trauma</strong> Dr. Emily Edstrom&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Eyelid Surgery</strong> Dr. Elizabeth Giuliano&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Treatment of Heart Failure</strong> Dr. Sandy Tou&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>The Art Behind Persuading Clients</strong> Ms. Maxine Curley&lt;br&gt;▪ 1.0 Non-Medical</td>
<td><strong>Pathways to Practice</strong> Dr. Tim Goldsmith&lt;br&gt;▪ 1.0 Non-Medical</td>
<td><strong>Overview of 2022 MPOX</strong> Dr. Shama Cash-Goldwater&lt;br&gt;▪ 1.0 Non-Medical</td>
<td></td>
</tr>
<tr>
<td><strong>Lumps &amp; Bumps</strong> Dr. Emily Edstrom&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Enucleation Surgery</strong> Dr. Elizabeth Giuliano&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>Recognizing &amp; Treating Arrhythmias</strong> Dr. Sandy Tou&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>How to Handle Finances Meow and in the Future</strong> Mr. Rob Borcharding&lt;br&gt;▪ 1.0 Non-Medical</td>
<td><strong>MN’s Beef Industry</strong> Dr. Joe Armstrong&lt;br&gt;▪ 1.0 Medical</td>
<td><strong>MN BAH &amp; MN Dept of Health Updates</strong> Drs. Wheeler &amp; Yendell&lt;br&gt;▪ 1.0 Medical</td>
<td></td>
</tr>
</tbody>
</table>
MVMA Day at the Capitol

Wednesday, March 8, 2023
11:45 am to 4:00 pm

The MVMA will be holding Veterinary Day at the Capitol on Wednesday, March 8, 2023, which will return to being an in-person event. We encourage veterinarians and veterinary technicians to attend.

Our association will continue to work with legislators on both sides of the aisle to advance the goals of the MVMA. With Capitol operations expected to return fully in-person for the first time since March of 2020, it is imperative we have a strong presence so that legislators understand the importance of our legislative priorities.

Please register by close of business on February 21st to ensure we have adequate time to secure meetings for you. If you are unable to do so by that date, please reach out as soon as possible to Peter Glessing at PHGlessing@locklaw.com.

Register online at bit.ly/3Wv2C9E
FEB. 2
2023
THURSDAY

7:00 am
REGISTRATION OPENS
NICOLLET PROMENADE - 1ST FLOOR

7:45 am – 8:50 am
ANNUAL MEETING WELCOME, OPENING REMARKS AND GENERAL SESSION
NICOLLET A-C-1ST FLOOR

9:00 am – 9:50 am
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

10:00 am – 10:50 am
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

10:50 am – 11:30 am
BREAK - EXHIBIT HALL OPENS
HYATT EXHIBIT HALL-1ST FLOOR

11:30 am – 12:20 pm
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

12:20 pm – 1:00 pm
LUNCH IN EXHIBIT HALL
HYATT EXHIBIT HALL-1ST FLOOR

1:00 pm - 1:50 pm
JUST IN TIME LUNCH DISCUSSION
NICOLLET A-C-1ST FLOOR

2:00 pm - 2:50 pm
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

2:50 pm - 3:30 pm
BREAK - VISIT EXHIBIT HALL
HYATT EXHIBIT HALL-1ST FLOOR

3:30 pm – 4:10 pm
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

4:20 pm – 5:10 pm
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

5:00 pm - 7:00 pm
CVM Alumni Reception
PRAIRIE KITCHEN-HYATT REGENCY LOBBY

7:00 pm - 10:00 pm
MVMA President’s Appreciation Reception and Dinner
(Invitation Only)
REGENCY ROOM-2ND FLOOR

7:00 am
REGISTRATION OPENS
NICOLLET PROMENADE - 1ST FLOOR

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REGENCY ROOM-2ND FLOOR

GENERAL SESSION
The Economic State of the Veterinary Profession
Dr. Clinton Neill
Thursday, February 2 | 8:00 – 8:50 AM
Niclet A-C- 1st Floor

AVMA economist walks through key changes in the economic macroenvironment, key sector level changes, and contextualizes the changes on the horizon and challenges of the veterinary profession with other sectors of the economy.
<table>
<thead>
<tr>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Location</th>
<th>PM/AM</th>
<th>Sponsored by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Out-of-Season Breeding Management for Small Ruminants</td>
<td>Dr. Brady Myers</td>
<td>Nicollet D1</td>
<td>AM</td>
<td>MVMA.org</td>
</tr>
<tr>
<td>Foreign Animal Diseases &amp; Diagnosis</td>
<td>Mses. Diane DeWitte &amp; Sarah Schieck Boelke</td>
<td>Lakeshore C</td>
<td>PM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Assisted Reproductive Techniques for Small Ruminants</td>
<td>Dr. Brady Myers</td>
<td>Lakeshore A</td>
<td>AM</td>
<td>MVMA.org</td>
</tr>
<tr>
<td>Tools for Your Toolbox When Calling Upon Swine Clients</td>
<td>Mses. Diane DeWitte &amp; Sarah Schieck Boelke</td>
<td>Lakeshore C</td>
<td>PM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Feed Cost Control and Alternative Feeds</td>
<td>Dr. Dan Morrical</td>
<td>Nicollet D1</td>
<td>AM</td>
<td>MVMA.org</td>
</tr>
<tr>
<td>Developing a Model Protocol for Tracking Antibiotic Use and AMR Monitoring</td>
<td>Dr. Taylor Spronk</td>
<td>Lakeshore C</td>
<td>PM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Mineral and Vitamin Issues for Sheep and Goats</td>
<td>Dr. Dan Morrical</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>MVMA.org</td>
</tr>
<tr>
<td>Simon Brimhall, VMD, Minnesota Veterinary Pioneer</td>
<td>Dr. Thomas Meier</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>New Trends in State Veterinary Regulation and MN Updates</td>
<td>Dr. Julia Wilson</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Non-traditional Veterinary Career Paths in Animal Research</td>
<td>Drs. Tiffany Sarrafian &amp; Tobin Emrich</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Establishing and Implementing an Emergency Call Group</td>
<td>Drs. Tyler Fuhrman, Rachael Johnson &amp; Deborah Piepgras</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Implementation of GFI #263 in Ways that Work for Practitioners and Sheep and</td>
<td>Dr. Cindy Wolf</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Goats Producers</td>
<td>Dr. Robin Sherwin, Julia Smachlo, Josephine Lawrence &amp; Julie Jacobs</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Resident Research Platform</td>
<td>Dr. Allen Balay &amp; Ms. Kim Horne</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
<tr>
<td>Veterinary Interventional Radiology: Novel Treatment Strategies for</td>
<td>Dr. Tracy Hill</td>
<td>Nicollet A-C - 1st Floor</td>
<td>AM</td>
<td>University of Minnesota Extension</td>
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<tr>
<td>Frustrating Diseases</td>
<td></td>
<td></td>
<td>AM</td>
<td>University of Minnesota Extension</td>
</tr>
</tbody>
</table>

**Lunch in Exhibit Hall | 12:20 – 1:00 pm**

**Break | 10:50 – 11:30 am | Visit Exhibit Hall**

**Break | 2:50 – 3:20 pm | Visit Exhibit Hall**

**JUST IN TIME LUNCH DISCUSSION**

**GETTING TO KNOW YOU, GETTING TO KNOW ALL ABOUT THE MN BOARD OF ANIMAL HEALTH**

**MODERATOR:** Dr. James Bennett  **PANEL MEMBERS:** Drs. Marion Garcia, Courtney Wheeler, Veronica Bartsch, Stephan Schaeferbauer & Joni Scheffel

**Thursday, February 2 | 1:00 – 1:50 PM**

Nicollet A-C - 1st Floor

Veterinary professionals have a solid understanding of everything that the Minnesota Board of Animal Health (MN BAH) does, right? You might be surprised at all that they do and how they have established high functioning working relationships with numerous federal and state government agencies, the University of Minnesota, state organizations and producer groups to protect the health of the state's domestic animals. Join us and be surprised!
<table>
<thead>
<tr>
<th>Time</th>
<th>Small Animal I Behavior</th>
<th>Small Animal II Surgery</th>
<th>Small Animal III Alternative Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:10 am – 11:00 am</td>
<td>Psychopharmacology I: Daily Drugs: Indications, Doses and Effects Dr. Meghan Herron</td>
<td>Orthopedic Diagnosis: Overview; Gait, Clinical Exam &amp; Imaging Choices Dr. Ian Holsworth</td>
<td>Introduction to Veterinary Integrative Medicine Dr. Robert Silver</td>
</tr>
<tr>
<td>11:00 am – 11:10 am</td>
<td>Break</td>
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</tr>
<tr>
<td>11:10 am – 12:00 pm</td>
<td>My House is Not Your Toilet: Feline Elimination Disorders Dr. Meghan Herron</td>
<td>The Challenge of Shoulder Lameness and Treatment Dr. Ian Holsworth</td>
<td>Review of Published Medicinal Mushroom Studies in Veterinary Species Dr. Robert Silver</td>
</tr>
<tr>
<td>12:00 pm – 1:50 pm</td>
<td>MVMA Annual Business Meeting/Awards</td>
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</tr>
<tr>
<td>1:50 pm – 2:00 pm</td>
<td>Starting Off on the Right Paw: The Basics of Puppy Behavior and Problem Prevention Dr. Meghan Herron</td>
<td>The Hip: A Ball &amp; Socket and its Challenges from Birth to Death Dr. Ian Holsworth</td>
<td>Introduction to Nutraceuticals Dr. Robert Silver</td>
</tr>
<tr>
<td>2:00 pm – 2:50 pm</td>
<td>Break</td>
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<td></td>
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<tr>
<td>2:50 pm – 3:30 pm</td>
<td>Stiff Instability: The Current Understanding Dr. Ian Holsworth</td>
<td>Cannabis in Veterinary Practice Part I: Cannabis Constituents and their Biological Targets Dr. Robert Silver</td>
<td></td>
</tr>
<tr>
<td>3:30 pm – 4:20 pm</td>
<td>Start Off on the Right Claw: The Basics of Kitten Behavior and Problem Prevention Dr. Meghan Herron</td>
<td>Cannabis in Veterinary Practice Part II: Practical on Veterinary Legality; Product Selection; Safety Studies; Dosing Considerations Dr. Robert Silver</td>
<td></td>
</tr>
<tr>
<td>4:20 pm – 4:30 pm</td>
<td>Break</td>
<td></td>
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<tr>
<td>4:30 pm – 5:30 pm</td>
<td>Behavior Changes in the Aging Pet Dr. Meghan Herron</td>
<td>The Fracture Challenge: What to do and When Dr. Ian Holsworth</td>
<td></td>
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<tr>
<td>5:30 pm – 6:00 pm</td>
<td>Break</td>
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</tbody>
</table>

**COFFEE CHAT**

**Building a LIFELINE-Suffering in Silence: OA and Chronic Pain in Cats**

Dr. Nikko Grossapoulos

Friday, February 3 | 7:30 – 8:20 AM

Nicollet A-C-1st Floor

Discuss new understandings of the pathways that lead to the pain of chronic osteoarthritis in cats, as well as a review of Solensia, a new therapy for the long-term treatment of pain secondary to OA in cats.
5 Uncomfortable Truths About Your Practice Worth Knowing
Mr. Bashore Halow

Practice Management
Greenway A/J

Managing Digital Dermatitis in Feedyards-Part I
Dr. Terry Engelken

Bovine Lakeshore C

Managing Digital Dermatitis in Feedyards-Part II
Dr. Terry Engelken

Sponsored by Boehringer-Ingeheim

On-Farm Nutritional Assessments and Common Nutrient Gaps
Ms. Abby Keegan

Equine Lakeshore A

Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part I
Dr. Erin Royster

Sponsored by Platinum Performance

Broodmare and Growing Horse Nutrition
Ms. Abby Keegan

Communication and Workflow in the Age of Stress-Part I
Mr. Bashore Halow

Communication and Workflow in the Age of Stress-Part II
Mr. Bashore Halow

Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part II
Dr. Erin Royster

12:00 – 1:50 pm | MVMA ANNUAL BUSINESS MEETING/AWARDS

 mvma.org

Numbers to Watch in a Wobbly Economy
Mr. Bashore Halow

Numbers to Watch in a Wobbly Economy
Mr. Bashore Halow

1:50 – 2:00 pm | VISIT EXHIBIT HALL

Train of Thought-Part I
Mr. Bashore Halow

Train of Thought-Part II
Mr. Bashore Halow

Upcoming FDA Changes Regarding Reimplanting: What You Need to Know
Dr. Grant Crawford

Feeding the Microbiome: An Emerging Science
Ms. Abby Keegan

Sponsored by Platinum Performance

Practical Implant Applications for Today’s Market
Dr. Grant Crawford

Stress, Recovery and Challenges in Feeding the Performance Horse
Ms. Abby Keegan

BREAK | 9:35 – 10:10 am | VISIT EXHIBIT HALL

BREAK | 11:00 – 11:10 am | VISIT EXHIBIT HALL

BREAK | 2:50 – 3:30 pm | VISIT EXHIBIT HALL

BREAK | 4:20 – 4:30 pm | VISIT EXHIBIT HALL

CHRISTIAN VETERINARY MISSION (CVM) PRAYER BREAKFAST

Drs. Jenny Aldridge and Cherie Igielski
Friday, February, 3 | 7:30 - 8:20 am
Nicollet D2/3-1st Floor

We have missed you! Join CVM friend and our annual Friday AM breakfast at the MVMA. We will share updates of CVM’s work around the world as well as thoughts on our annual theme of “Transformation” from Romans 12. CVM exists to share Christ’s love through veterinary medicine.

COUNCIL OF SENIOR VETERINARIANS

Dr. Susan Jones
Friday, February, 3 | 10:10 - 11:00 am
Nicollet Ballroom D1-1st Floor

Learn about the global history of veterinary medicine and animal healing from one of the authors, Dr. Susan Jones, of A Concise History of Veterinary Medicine.
### PICK-UP COFFEE IN EXHIBIT HALL
7:00 am – 7:50 am
**COFFEE CHAT**
NICOLLET A-C-1ST FLOOR

8:00 am – 8:50 am
**CONCURRENT SESSIONS**
1ST AND 2ND FLOORS

8:50 am – 9:30 am
**EXHIBIT HALL BREAK**
HYATT EXHIBIT HALL-1ST FLOOR

9:30 am – 10:20 am
**CONCURRENT SESSIONS**
1ST AND 2ND FLOORS

10:20 am – 11:00 am
**EXHIBIT HALL BREAK**
HYATT EXHIBIT HALL-1ST FLOOR

11:00 am
**EXHIBIT HALL CLOSES**

11:00 am – 11:50 am
**CONCURRENT SESSIONS**
1ST AND 2ND FLOORS

12:00 pm – 1:45 pm
**MVMF REPORT, PRIZE DRAWINGS, ANIMAL HOF AWARDS AND KEYNOTE WITH MATT STUTZMAN, “THE ARMLESS ARCHER”**
NICOLLET A-C-1ST FLOOR

1:45 pm - 2:35 pm
**CONCURRENT SESSIONS**
1ST AND 2ND FLOORS

2:35 pm – 2:45 pm
**BREAK**

2:45 pm – 3:35 pm
**CONCURRENT SESSIONS**
1ST AND 2ND FLOORS

3:35 pm – 3:45 pm
**BREAK**

3:45 pm - 4:35 pm
**CONCURRENT SESSIONS**
1ST AND 2ND FLOORS

### TIME TABLE

<table>
<thead>
<tr>
<th>Time</th>
<th>Small Animal I Dentistry</th>
<th>Small Animal II Ophthalmology</th>
<th>Small Animal III Cardiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 8:50 am</td>
<td>Normal Dental Radiographic Anatomy in the Dog and Cat</td>
<td>The Complete Ophthalmic Exam: Back to Basics</td>
<td>Keeping Up to Date with Degenerative Mitral Valve Disease</td>
</tr>
<tr>
<td></td>
<td>Dr. Emily Edstrom</td>
<td>Dr. Elizabeth Giuliano</td>
<td>Dr. Sandy Tou</td>
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</tbody>
</table>

**BREAK | 8:50 – 9:30 am | VISIT EXHIBIT HALL**

<table>
<thead>
<tr>
<th>Time</th>
<th>Endodontic Disease vs. Periodontal Disease</th>
<th>Let’s Put the “Fun” in Funduscoppy Again</th>
<th>Keeping Up to Date with Dilated Cardiomyopathy</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 – 10:20 am</td>
<td>Dr. Emily Edstrom</td>
<td>Dr. Elizabeth Giuliano</td>
<td>Dr. Sandy Tou</td>
</tr>
</tbody>
</table>

**BREAK | 10:20 – 11:00 am | VISIT EXHIBIT HALL (CLOSES AT 11 am)**

<table>
<thead>
<tr>
<th>Time</th>
<th>The Cat’s Me-OUCH!: Common Oral Pathology in Cats</th>
<th>Having trouble Getting that Chronic Superficial Ulcer to Heal? Help with those Pesky Indolent Erosions</th>
<th>Heart Murmurs in Cats: To Be or Not to Be HCM?</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 – 11:50 am</td>
<td>Dr. Emily Edstrom</td>
<td>Dr. Elizabeth Giuliano</td>
<td>Dr. Sandy Tou</td>
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**BREAK | 11:50 – 12:00 pm**

<table>
<thead>
<tr>
<th>Time</th>
<th>Diagnosis of Heart Failure: Radiographs and Beyond</th>
<th>Treatment of Heart Failure: Lasix and Beyond</th>
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<tr>
<td>1:45 – 2:35 pm</td>
<td>Dr. Elizabeth Giuliano</td>
<td>Dr. Sandy Tou</td>
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**BREAK | 2:35 – 2:45 pm**

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<th>Time</th>
<th>Dental Emergencies and Oral Trauma</th>
<th>Eyelid Surgery: Pearls to Optimize Functional and Cosmetic Outcomes</th>
<th>Recognizing and Treating Life-Threatening Arrhythmias</th>
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<tr>
<td>2:45 – 3:35 pm</td>
<td>Dr. Emily Edstrom</td>
<td>Dr. Elizabeth Giuliano</td>
<td>Dr. Sandy Tou</td>
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**BREAK | 3:35 – 3:45 pm**

<table>
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<tr>
<th>Time</th>
<th>Lumps and Bumps: Common Oral Tumors</th>
<th>Enucleation Surgery: Why Does this Seems More Difficult than the Textbooks Say?</th>
<th>Recognizing and Treating Life-Threatening Arrhythmias</th>
</tr>
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<tbody>
<tr>
<td>3:45 – 4:35 pm</td>
<td>Dr. Emily Edstrom</td>
<td>Dr. Elizabeth Giuliano</td>
<td>Dr. Sandy Tou</td>
</tr>
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</table>

**BREAK**

**COFFEE CHAT**
**Recipe for Wellbeing**

Dr. Heidi Hulon  
Saturday, February 4 | 7:00 – 7:50 AM  
Nicollet A-C-1st Floor

What are the ingredients for a culture of wellbeing, support, and success? Discussion around the 5 MAGICal elements of a thriving culture at work. We work on how you can implement them in your practice.
Practice Management
Lakeshore A
Workers Compensation for Veterinary Practices
Mr. Bill Butler
Sponsored by Butler Vet Insurance

Bovine
Lakeshore C
Practical "Biotic" Usage in Calves, Dairy and Beef-
Part I
Dr. Ehsan Khafipour
Sponsored by Diamond V

Public Health
Greenway A/J
Guidance for the General Practitioner: Detect, Treat, and Prevent Antimicrobial-Resistant Infections
Drs. Amanda Beaudoin & Jennifer Granick

BREAK  |  8:50 – 9:30 am  |  VISIT EXHIBIT HALL

Navigating Difficult Client Conversations
Dr. Heidi Hulon
Sponsored by Elanco

Practical "Biotic" Usage in Calves, Dairy and Beef-
Part II
Dr. Ehsan Khafipour
Sponsored by Diamond V

The Roles of Official Veterinarians at Livestock Concentration Point Events in Minnesota
Dr. Brian Hoefs & Ms. Myrrh-Anna Van Zandt

BREAK  |  10:20 – 11:00 am  |  VISIT EXHIBIT HALL (CLOSES AT 11 am)

Don’t Be in the Doghouse!
Understand How Fiduciary Duties Impact Your Retirement Plan
Mr. Jon Marquet & Ms. Allyson Krause
Sponsored by Trust Point Inc.

Practical "Biotic" Usage in Calves, Dairy and Beef-
Part III
Dr. Mario Riboni
Sponsored by Diamond V

Experiences from the Front Lines of the 2022 HPAI Outbreak in Raptors in MN
Dr. Victoria Hall

BREAK  |  11:50 – 12:00 pm

12:00 – 12:30 pm  |  MVMF REPORT, ANIMAL AWARDS & MVMF PRIZE DRAWINGS
12:30 – 1:45 pm  |  KEYNOTE—MATT "THE ARMLESS ARCHER" STUTZMAN

The Benefits of Benefits
Mr. Andy Ahlberg & Ms. Stacy Meehen
Sponsored by Dyste Williams

Packers’ Perspective of Beef Crosses
Dr. Zeb Gray
Sponsored by Diamond V

Canine Brucellosis in Minnesota
Dr. Veronica Bartsch

BREAK  |  2:35 – 2:45 pm

The Art Behind Persuading Clients
Ms. Maxine Cutley
Sponsored by Royal Canin

Developing and Supporting Rural Veterinary Practitioners’ Pathways to Practice
Dr. Tim Goldsmith

An Overview of the 2022 MPOX Whirlwind
Dr. Shama Cash-Goldwasser

BREAK  |  3:35 – 3:45 pm

How to Handle Finances: Meow and in the Future: Student Debt, Buying a House & Getting Into Practice
Mr. Rob Borcherding
Sponsored by Panacea Financial

Movement and Management in MN’s Beef Industry
Dr. Joe Armstrong

Minnesota Board of Animal and Minnesota Department of Health Updates
Drs. Courtney Wheeler & Stephanie Yendell

DO YOU HAVE THE MN VMA APP?
The everyday MN VMA App is a great mobile tool for the 126th Annual Meeting. Complete with speakers, exhibitors, schedule updates and more!

Use the directory tile to connect with MVMA members after this year’s meeting!

Log in with your MVMA username and password.

KEYNOTE SPEAKER
ANYTHING IS POSSIBLE
Matt Stutzman, “The Armless Archer”
Saturday, February 4
12:30 – 1:45 PM
Nicollet A-C-1st Floor

Matt Stutzman (a 2022 World Champion, Paralympic Archery Medalist, World Record Holder, “The Armless Archer”, and a Dad) grew up on a farm in Iowa. He was born without arms and his parents, who adopted him, raised him in an unmodified home to prepare Matt for the unmodified world.

Matt does everything with his feet, including drive and work on cars (his passion!) in his spare time. He went on to become a Paralympic medalist in Para-archery and a world record holder. This winter, Matt clinched the World Champion title in Dubai. He’s astonishing and his great sense of humor puts you at ease as he shares his remarkable journey.
PET MEMORIAL CARD PROGRAM

Honor Your Client, Honor Their Pet

Remembering a client through the grieving process is vital to your continued relations with that client. The MVMF has given considerable thought to helping you deal with client grief and has developed the Pet Memorial Gift Program to help you handle this challenge.

The Pet Memorial Card Program works to benefit your practice while remembering your clients in their time of grief. The benefits to you include:

- Helps you deal with the difficulty of client grief
- Serves to strengthen the bond you have with the client, making them a client for life.

To signup or for more information, visit mvmfcares.org

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Save the Dates!

**MVMF Golf Classic: July 13, 2023**

**MVMF Shoot for the Future Clay Shoot: September 14, 2023**
2023 MVMA Spring Seminar
Getting through your day: interpretation tips for radiology of the thorax and GI tract

Join us on Thursday, April 20th
From 9 am - 3:35 pm
At the Minnesota Humanities Center - St. Paul, MN
or attend online

With speaker Kari Anderson, DVM, DACVR, Professor, Medical Imaging, Veterinary Clinical Sciences Department, College of Veterinary Medicine, University of Minnesota

Register and more details at mvma.org

Solensia™
(frunevetmab injection)

Solensia can make a difference for your feline patients

Visit SolensiaVetTeam.com
7:45 am - 8:00 am
Welcome & Opening Remarks
Room: Nicollet A-C-1st floor  
Dr. Nancy Peterson, MVMA President

8:00 am - 8:50 am
General Session
The Economic State of the Veterinary Profession
Presenter: Dr. Clinton Neill PhD

Dr. Neill, AVMA economist, will walk through key changes in the economic macroenvironment, key sector level changes, and contextualizes the changes on the horizon and challenges of the veterinary profession with other sectors of the economy.

Clinton Neill, PhD  
cneill@avma.org | avma.org

Dr. Neill’s role is to assist in translating the work of the Veterinary Economics Division team and various stakeholders to actionable items for veterinary teams and clinics. Dr. Neill also holds a part-time appointment as Assistant Professor in veterinary economics at the Cornell Center of Veterinary Business and Entrepreneurship. Dr. Neill research focuses on the broad scope of issues that face the veterinary industry.

1:00 pm - 1:50 pm
Just in Time Lunch Discussion
Getting to Know You, Getting to Know All about the MN BAH
Room: Nicollet A-C-1st floor  
Moderator: Dr. James Bennett
Panelists: Drs. Marion Garcia, Courtney Wheeler, Joni Scheftel, Stephan Schaefbauer, and Veronica Bartsch

Veterinary professionals have a solid understanding of everything that the Minnesota Board of Animal Health (MN BAH) does, right? You might be surprised at all that they do and how they have established high functioning working relationships with numerous federal and state government, University of Minnesota, state organizations and producer groups to protect the health of the state’s domestic animals.

Marion Garcia, DVM, MPH  
marion.garcia@state.mn.us | bah.state.mn.us

Dr. Garcia received her Doctor of Veterinary Medicine degree from Colorado State University, College of Veterinary Medicine and Biomedical Science in 1998 and her Master of Veterinary Epidemiology and Public Health from the University of London Royal Veterinary College in 2010. She spent 20 plus years working in the turkey industry before joining the Board of Animal Health as the Executive Director in August of 2022.

Courtney Wheeler, DVM  
courtney.wheeler@state.mn.us | bah.state.mn.us

Dr. Courtney Wheeler is currently director of the Animal Disease Traceability, Cattle, Farmed Cervidae, and Small Ruminant programs at Minnesota Board of Animal Health (BAH). She has spent the entirety of her veterinary career working in federal and state public service.

Joni Scheftel, DVM, MPH, DACVPM  
joni.scheftel@state.mn.us | health.state.mn.us

Dr. Scheftel’s group is responsible for zoonotic disease surveillance and outbreak investigation, and zoonotic disease prevention activities. Dr. Scheftel serves as a liaison between the Department of Health and the Board of Animal Health for animal health issues with human health impact. She and her group are currently working on human disease surveillance for the states highly pathogenic avian influenza outbreak response. Joni lives in central Minnesota, the area where she was a mixed animal practitioner for nearly 20 years.

Stephan Schaefbauer, DVM, MPH  
stephan.l.schaefbauer@usda.gov | aphis.usda.gov

Dr. Stephan Schaefbauer has served her profession, her country and her local communities through her commitment to safeguarding animal and public health. She has served as the Area Veterinarian in Charge for USDA Animal Plant and Health Inspection Services, Veterinary Services in Minnesota for the past six years. She obtained her Doctorate of Veterinary Medicine from the University of Georgia (UGA). Then she headed to the University of Minnesota to pursue a masters of public health degree and a residency at the Center for Animal Health and Food Safety. After completing her MPH and residency in 2008 she served as an Import Risk Analyst in the National Center for Import and Export. She began working as an Epidemiology Officer in 2010 in Raleigh, NC and served in the same position in Des Moines, Iowa in 2014.
Mast cell tumors are the most common skin cancer diagnosed in dogs and have a wide range of biologic behavior—some will be cured with surgery and others will metastasize quickly and be life limiting for the patient. This talk will review staging for mast tumors, current recommendations for surgical margins, and mast cell tumor grading schemes. We will also discuss management of high-grade mast cell tumors as well as newer treatments such as Stelronta®.

2:00 pm – 2:50 pm
Bladder Cancer: Update on Diagnostics and Treatment

Bladder cancer is an uncommon cancer in dogs, and even more rare in cats, and remains a frustrating disease to manage for both pet owners and veterinarians. This talk will review diagnostic options when bladder cancer is suspected, including use of the CADET® BRAF test, as well as provide an update on treatment option and prognosis for dogs and cats with bladder cancer.

3:20 pm – 4:10 pm
Update on Cancer: Diagnostics and Treatment for Cats

Cats tend to have lower rates of cancer development than dogs, but our feline friends often do a good job hiding their clinical signs, leading to diagnosis in later stages of disease. This talk will provide updates regarding current recommendations for diagnostics, staging, treatment of some of the most common tumors diagnosed in cats including lymphoma, oral squamous cell carcinoma, injection site sarcomas, and mammary tumors.

4:20 pm – 5:10 pm
Targeted and Immuno-therapies in Veterinary Oncology: What’s Available and on the Horizon

Pets are like family members to many of our clients and many of them hope to seek the same kind of treatment for their pets as they would be offered, including immunotherapies and targeted therapies for cancer treatment. In this talk, we will review currently available targeted and immunotherapies for dogs and cats as well as discuss some exciting new treatments that are currently being investigated and may be available soon.

11:30 am – 12:20 pm
Managing Mast Cell Tumors

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3:20 pm – 4:10 pm
Anesthesia for the Difficult Patient
Describe what pre-medications and techniques can be used in the pet that is anxious or potentially unsafe that can improve safe handling of the pet.

Jane Quant, DVM, MS, DACVAA, DACVECC
quand003@uga.edu | vet.uga.edu

Dr. Jane Quandt graduated from Iowa State University College of Veterinary Medicine in 1987. She completed an anesthesia residency and Masters in anesthesia at the University of Minnesota and became boarded in anesthesia in 1993. To improve her ability to manage critical cases she did a second residency in small animal emergency and critical care and became boarded in small animal emergency and critical care in 2007. She was on faculty at the College of Veterinary Medicine at the University of Minnesota for 10 years. She joined the faculty at The University of Georgia College of Veterinary Medicine in 2011 and is currently a tenured full professor in comparative anesthesia.

SMALL ANIMAL III
Exotics
Room: Regency-2nd floor
Presenter: Dr. Christoph Mans

9:00 am – 9:50 am
How to get started with Avian Medicine
Incorporating avian patients into veterinary practice can be a rewarding but also challenging experience. Due to the significantly different anatomy, physiology, and disorders of pet birds, veterinarians may feel intimidated treating birds. This session aims to introduce clinical avian medicine and provide a gateway to becoming more confident and comfortable with seeing avian patients.

10:00 am – 10:50 am
Avian Nutrition and related disorders
Nutritional causes are assumed to be underlying many disorders in pet birds, including obesity, cardiovascular disease, and reproductive disorders. Therefore, in this session, we will discuss the current recommendations for the nutrition of pet birds and common nutritional disorders.

11:30 pm – 12:20 pm
Sedation and Analgesia in Birds
Procedural sedation has become the standard of care in avian medicine, reducing the stress response in avian patients during manual restraint. Therefore, in this session, we will discuss indications, commonly used protocols, and potential adverse effects of sedation in birds. In addition, the pain management of avian patients will be addressed, and the most appropriate protocols will be provided for different groups of birds.

2:00 pm – 2:50 pm
Managing Common Avian Emergencies
In this session, we will discuss to successfully manage avian emergencies. We will review common clinical techniques used in emergency cases and discuss common avian emergency presentations, such as trauma, fractures, and intoxication.

3:20 pm – 4:10 pm
Avian Respiratory and Cardiac Disorders
Birds in respiratory distress can be challenging to manage, and identifying the underlying cause is often complicated by the patient size and the limitations of diagnostic imaging techniques. Therefore, in this session, we will review the diagnosis and clinical management of common respiratory and cardiac disorders affecting pet birds will be discussed in this session.

4:20 pm – 5:10 pm
Avian Reproductive Tract Disorders
Female reproductive disorders are amongst the most common causes of pet birds being presented for veterinary care. Chronic egg laying, egg binding, and cloacal prolapse are often challenging to treat. This session will provide an overview of the clinical approach to the diagnosis and successful management of reproductive disorders in pet birds.

Christoph Mans, DVM, DACZM
christoph.mans@wisc.edu | vetmed.wisc.edu

Dr. Mans is a native of Germany and completed his studies in veterinary medicine at the University of Leipzig (Germany) and Berne (Switzerland). This was followed by an internship in Avian and Exotic Animal Medicine at the Ontario Veterinary College (Canada) and employment in private practice in Hong Kong. In 2012 he completed his residency in zoological medicine at the University of Wisconsin and the Milwaukee County Zoo.

SMALL ANIMAL - CUTTING EDGE
Room: Greenway A/J-2nd Floor
2:00 pm – 2:50 pm
Sponsored by:

Apoquel Use in Cats
Presenter: Dr. Melissa Eisenschenk

There are not many options for treating itchy cats. Discuss diagnosis and treatment of itchy cats along with my experience using apoquel off label in cats, as it is very different than using it in dogs.

Melissa Eisenschenk, DVM, DACVD
melderm@gmail.com | petdermatologyclinic.com

Dr. Eisenschenk completed her Bachelor of Science with minors in Animal Science and Chemistry at UW-River Falls and attended veterinary school at the University of Minnesota. After vet school, she was in private practice for 4 years in Rochester and Minneapolis, and then returned in 2006 to the University of Minnesota for a dermatology residency and Masters degree. She passed dermatology board exams in 2009. Dr. Eisenschenk worked with McKeever Dermatology 3.5 years before starting Pet Dermatology Clinic in Maple Grove, MN in 2013.
3:20 – 4:10 pm
Utilizing the Blastomyces Urine Antigen Test
Presenter: Dr. Laura Motschenbacher
Discuss how to use the blastomycosis antigen to diagnosis, manage, and provide prognostic information for your canine blastomycosis patients. We will review the various methods used to diagnose Malassezia dermatitis and the currently available treatment modalities.

Laura Motschenbacher, DVM, DACVIM
barsn036@umn.edu | vetmed.umn.edu
Dr. Motschenbacher is a board certified small animal internist and assistant professor at the University of Minnesota Veterinary Medical Center. She completed her undergraduate degree at Carleton College, DVM at the University of Minnesota, rotating internship at Blue Pearl in Chicago, and a residency in small animal internal medicine at the University of Minnesota. Following completion of her residency, she stayed on as a faculty member at the University of Minnesota College of Veterinary Medicine.

4:20 pm-5:10 pm
Feeding Meat Goats Correctly
Presenter: Dr. Dan Morrical
Describe meat goat rations and insuring appropriate levels of nutrition to all meat goats.

Dan Morrical, MS, PhD
bsmyers5@gmail.com | tricountyvetclinic.com
Dr. Dan Morrical attended Purdue University where he received a BS in Animal Science in 1977. He completed his Masters and PhD at New Mexico State University in 1982 and 1984, respectively. He worked at the Iowa State Sheep Specialist for 33 years where he provided the sheep industry with education efforts through printed fact sheets, ration software balancing tools and presentations in Iowa and throughout the United States. He currently works part time for Premier 1 Sheep Supplies as their production consultant to sheep and goat producers via the Ask an Expert Service.

4:20 pm – 5:10 pm
Implementation of GFI #263 in Ways that Work for Practitioners and Sheep and Goat Producers
Presenter: Dr. Cindy Wolf
Small ruminant producers often use veterinary practitioners much less when compared to cattle producers. The FDA’s GFI # 263 will require a veterinary prescription for the remaining medically important, over-the-counter injectable and topical antimicrobials. A proposed template will be presented that practitioners can use to assist producers in joint development of treatment protocols for common conditions. Other sequelae and anticipated behavioral responses will be discussed.

Cindy Wolf, DVM
wolfx06@umn.edu | vetmed.mn.edu
Cindy Wolf, DVM taught small ruminant health and production to veterinary students at the University of Minnesota College of Veterinary Medicine for 34 years. In early 2018 she retired from that career path and began working full-time at her family’s sheep, beef, and goat farm part-time as a solo veterinary practitioner. She has been a leader regarding animal identification for the sheep industry relative to Scrapie eradication and animal disease traceability.
An overview of Minnesota’s emergency disease management efforts for swine will be discussed. Also, discussed will be FAD diagnosis, submission of samples, and how small and medium, niche and organic pig farms fit into Minnesota’s disease preparedness plan. Attendees will receive a FAD pack from National Pork Board, and small farm biosecurity practices will be covered.

This session will offer tools when working with pig farmers of all sizes and types. Attendees will gain a better understanding of the Common Swine Industry Audit, Secure Pork Supply, The Livestock Project, the Pork Industry’s Sustainability initiative, and other tools. Attendees will learn about the veterinarians’ role in the Common Swine Industry Audit and where to find information to learn more. Attendees will get an overview of the Secure Pork Supply Plan and learn about resources for veterinarians. Attendees will learn how they can gain continuing education credits through The Livestock Project courses that are designed to train veterinarians and other animal health professionals about organic and alternative livestock production practices, rules, and available treatments.

**DIARY OF A SWINE VETERINARIAN**

**9:00 am – 9:50 am**

**SWINE**

Room: Nicollet D1-1st floor

**Foreign Animal Diseases & Diagnosis**

Presenters: Mses. Diane DeWitte and Sarah Schieck Boelke

An overview of Minnesota’s emergency disease management efforts for swine will be discussed. Also, discussed will be FAD diagnosis, submission of samples, and how small and medium, niche and organic pig farms fit into Minnesota’s disease preparedness plan. Attendees will receive a FAD pack from National Pork Board, and small farm biosecurity practices will be covered.

**10:00 am – 10:50 am**

Tools for Your Toolbox When Calling Upon Swine Clients

Presenters: Mses. Diane DeWitte and Sarah Schieck Boelke

This session will offer tools when working with pig farmers of all sizes and types. Attendees will gain a better understanding of the Common Swine Industry Audit, Secure Pork Supply, The Livestock Project, the Pork Industry’s Sustainability initiative, and other tools. Attendees will learn about the veterinarians’ role in the Common Swine Industry Audit and where to find information to learn more. Attendees will get an overview of the Secure Pork Supply Plan and learn about resources for veterinarians. Attendees will learn how they can gain continuing education credits through The Livestock Project courses that are designed to train veterinarians and other animal health professionals about organic and alternative livestock production practices, rules, and available treatments.

**11:30 am-12:20 pm**

Developing a Model Protocol for Tracking Antibiotic Use and AMR Monitoring Across a Large-Scale Commercial Swine Production System: The IMAGINE Project

Presenter: Dr. Taylor Spronk

This project is the first attempt to conduct AMR monitoring across a large-scale swine production system in the US and compare AMR in swine and public health pathogens with its respective on-farm antibiotic use. To gain insight into this critical issue, Pipestone has partnered with USDA National Animal Health Monitoring System and South Dakota State University, with support from the National Pork Board and the Foundation for Food and Agricultural Research’s International Consortium on Antimicrobial Stewardship in Agriculture. As of this writing, the project is in its third year and its objectives are as follows: 1. To conduct antimicrobial resistance (AMR) monitoring across pathogens of veterinary importance and food safety importance across a large-scale commercial swine production system. 2. To compare AMR data with antibiotic use (AMU) data across study farms. 3. To develop and validate a model protocol of AMR monitoring for the US swine industry. We will share data from years 1 and 2 and our vision for the future of the project.

**2:00 pm-2:50 pm**

**COMPARATIVE MEDICINE**

Room: Nicollet D1-1st floor

**Minnesota Veterinary Pioneer**

Presenter: Dr. Thomas Meier

Discuss the history of Dr. Simon Brimhall’s inspirational contributions to the origin of the Minnesota Board of Animal Health and the field of Comparative Medicine.

**3:00 pm-3:50 pm**

**Pipestone, Taylor is a staff veterinarian and data analyst within PART (Pipestone Antibiotic Resistance Tracker).**
3:20 pm-4:10 pm
Non-traditional Veterinary Career Paths in Animal Research
Presenters: Drs. Tobin Emrich and Tiffany Sarrafian

Veterinary care and oversight in animal research encompasses a broad range of activities. Veterinary involvement begins with study and experimental design and continues through animal acquisition, husbandry and care, procedure, and technique training, performing surgery and procedures, tissue collection and processing, histopathology, data analysis, as well as animal welfare compliance. Veterinary associated positions include animal care technicians, veterinary technicians, training specialists, animal welfare compliance specialists, research technologists, research associates, principal investigators, and veterinarians. This session will provide an overview of veterinary involvement in animal research and the roles veterinarians and veterinary technicians can contribute.

Tobin Emrich, DVM
emrich.tobin@mayo.edu | mayoclinic.org

Tobin attended undergraduate and veterinary school at Iowa State University. While at Iowa State he participated in animal research at the Veterinary Medical Research Institute and the Veterinary Diagnostic Laboratory. Following veterinary school Tobin’s student loan debt dictated he leave research and pursue a path in private practice. After 12 years as an associate veterinarian and 15 years as a practice owner, Tobin sold his veterinary practice, worked for the new owner for 2 years, and then took a position in research with a laboratory at Mayo Clinic studying regenerative cardiac therapies. Two years later Tobin joined Mayo Clinic’s Institutional Animal Care and Use Committee, or IACUC, to provide oversight to the care and welfare of the institution’s research animals.

Tiffany Sarrafian, DVM, PhD
sarrafiangriffiths.tiffany@mayo.edu | mayoclinic.org

Dr. Sarrafian earned her DVM at Colorado State University, completed an equine medicine and surgery internship at the Marion duPont Scott Equine Medical Center at the Virginia-Maryland Regional College of Veterinary Medicine, and her equine surgery residency at UC-Davis. Dr. Sarrafian also earned her PhD in Integrative Pathobiology from the University of California-Davis. She has years of experience as a large animal veterinary surgeon. Dr. Sarrafian is currently a research associate with the Van Cleve Cardiac Regenerative Medicine Program at the Mayo Clinic where she is dedicated to leadership in the field of translational pre-clinical research models.

4:20 pm-5:10 pm
Resident Research Platform
Presenters: Drs. Robin Sherwin, Julia Smachlo, Josephine Lawrence and Julie Jacobs

The following research projects will be discussed: Adenovirus-mediated Gene Transfer in Rat Tenocytes for Nonsurgical Treatment of Tendon Injuries; A Rare Case of Pyrometra in a Cynomolgus Macaque (Macaca fascicularis); Bathe Your Pig! Dermatitis in a Swine Model of Nonalcoholic Steatohepatitis; Leucocytozoonosis in an Adult Male Bourbon Red Turkey. See website for more details.

Robin Sherwin, DVM
sherwin.robin-elizabeth@mayo.edu | mayoclinic.org

Robin Sherwin is the third-year veterinary resident at the Mayo Clinic. She completed her bachelors degree at the University of Massachusetts Amherst and achieved her DVM at Ross University. Robin discovered her passion for laboratory animal medicine working as an ALAT-certified technician in Boston, Massachusetts. It was part of her inspiration to pursue her DVM with the ultimate goal of becoming a laboratory animal veterinarian.

Julia Smachlo, DVM, MPH
smach001@umn.edu | umn.edu

Dr. Sarrafian earned her DVM at the Mayo Clinic. She completed her equine surgery residency in the Department of Comparative Medicine at Mayo Clinic. She attended Iowa State University where she obtained both her Bachelors in Animal Sciences and Doctor of Veterinary Medicine. Josephine is interested in research concerning analgesia and euthanasia of rodents and aquatics and is currently working with zebrafish models of nephroblastoma.

Julie Jacobs, DVM
jacobs.julia@mayo.edu | mayoclinic.org

Dr. Jacobs is a first-year veterinary resident at the Mayo Clinic. She earned her DVM from Cornell University College of Veterinary Medicine. Dr. Jacobs earned her BS in Biological Science and in Mathematics, both from the University of South Carolina.

VETERINARY PRACTICE PLUS
Room: Lakeshore C-1st floor
Sponsored by:

2:00 pm-2:50 pm
New Trends in State Veterinary Regulation and MN Updates
Presenter: Dr. Julia Wilson

The objectives of this presentation are to introduce new regulatory initiatives that are underway to address shortages of veterinarians and veterinary technicians, provide guidance on current issues generating Board complaints; and to answer questions pertaining to new compounding regulations.

Julia Wilson, DVM
julia.wilson@state.mn.us | mn.gov/boards/veterinary-medicine

Julia Wilson, DVM, DACVIM is Executive Director of the Minnesota Board of Veterinary Medicine. Her career includes veterinary faculty positions at the Universities of Florida and Minnesota, racetrack regulatory work, mixed animal practice in Virginia and equine practice in New Hampshire. As an internist, her focus has been equine infectious diseases, gastroenterology and neonatology. She is a past member of the Board of Directors of the AAEP and Heifer International. Julie is co-founder and current president of the Equitarian Initiative, a non-profit that trains veterinarians to provide health care and education for working equids.
Establishing and Implementing an Emergency Call Group
Presenter: Drs. Tyler Fuhrman, Rachael Johnson and Deborah Piepgras

AVMA Principles of Veterinary Medical Ethics state at veterinarians have an ethical responsibility to provide emergency care but practicing the responsibility can be challenging in certain situations. Hear from one group of veterinarians that came together to find a solution that tackles this challenge and benefits the community, while easing some stress and demand on individual veterinarians and clinics. Learn how the Lakes Area Emergency Group came to fruition, outline how the group functions and list key successes and challenges that they have experienced while addressing an issue felt across the profession.

Tyler Fuhrman, DVM
tylerefuhrman@gmail.com | animalcarecenterbaxter.com

Dr. Tyler Fuhrman was born and raised in Grand Rapids, MN. She received her B.A. in biology at Concordia College in Moorhead, MN. Dr. Fuhrman then went on to earn her DVM degree from the University of Wisconsin, graduating in 2017. She spent her first years of practice in North Dakota. Dr. Fuhrman has a special interest in dermatology and GI medicine.

Rachael Johnson, DVM
cvhdoctor@gmail.com | crosslakevet.com

Dr. Rachael Johnson grew up on a farm in rural South Dakota. She attended South Dakota State University and then went on to Kansas State University and then attended South Dakota College of Veterinary Medicine. After working in a few private practices, she joined the U of M Veterinary Medical Center and found her career passion in Dermatology. Although she has recently retired, she is still active in her state association (MAVT) and is a Charter Member and Co-Founder of the Academy of Dermatology Veterinary Technicians (ADVT). She was ADVT’s first President and is currently serving as Secretary and Exam Committee Chair. Kim has lectured internationally and authored journal articles as well as being co-editor of the Small Animal Dermatology for Technicians and Nurses book.

Deborah Piepgras, DVM
drpiepgrasdvm@lakelandveterinaryhospital.com | lakelandvet.net

Dr. Deb Piepgras, a Brainerd native, is the owner of Lakeland Veterinary Hospital. Deb received her Doctor of Veterinary Medicine degree from the University of Minnesota in 2000 and began practicing veterinary medicine at Lakeland in June of that year. She is Fear Free Certified and her favorite aspect of veterinary medicine is the challenge of aiding sick and injured animals that cannot communicate their problems.

New Bills have been introduced in the 2023 Legislature. Find out more about what was submitted, why we feel this year could be different at the legislature, and how this bill might enhance the way veterinary medicine is practiced in MN. Also, we will emphasize how licensure impacts public safety and provide talking points for how and when we need your involvement to get passage of this legislation. Join us to learn more and get your questions answered.

Allen Balay, DVM
allen.balay77@gmail.com

Al thought that he retired from Ridgewater College, Willmar, Minnesota in June 2020 after 25 years as the Director of Veterinary Technology Program. But he is back teaching at Ridgewater part-time in the vet tech program and doing all the surgeries. Al and his wife Claudia co-own a twelve-horse stable with another couple in New London, Minnesota and where he is the resident veterinarian. He is the Chairperson of the Minnesota Veterinary Medical Association Veterinary Technician committee.

Kim Horne, AAS, CVT, VTS (Dermatology)
home003@um.edu

Kim Horne graduated from the University of Minnesota, Technical College of Waseca. After working in a few private practices, she joined the U of M Veterinary Medical Center and found her career passion in Dermatology. Although she has recently retired, she is still active in her state association (MAVT) and is a Charter Member and Co-Founder of the Academy of Dermatology Veterinary Technicians (ADVT). She was ADVT’s first President and is currently serving as Secretary and Exam Committee Chair. Kim has lectured internationally and authored journal articles as well as being co-editor of the Small Animal Dermatology for Technicians and Nurses book.
Conflict Management and Personalities: The Intersections We Work with When We Work with People

Presenter: Ms. Athena Diesch-Chham

Conflict is inevitable especially with highly driven and motivated teams. When you add a variety of components with personality and the ways that can differ approach to conflict things get much more complicated. We will go over a number of personality components and how they impact our individual approach to conflict and how that may be hurrying or helping our teams, as well as talking about resolution and repair.

Athena Diesch-Chham, MSW, CSW, VSW
restorativepathcounseling@gmail.com | restorativepathcounseling.com

Ms. Diesch-Chham earned her bachelor’s degree in Psychology from North Dakota State University in 2004, and Master of Social Work degree from the University of Minnesota in 2011. It was during her time in graduate school, specifically during her Clinical Internship that her calling in Clinical Social Work presented itself. She has had the pleasure of spending that school year as a Social Work Intern at the University of Minnesota Veterinary Medical Center. As an Intern in the University’s Veterinary Social Services program, she learned from the founder of the program, and discovered her calling and passion for veterinary social work. Working with Veterinary Professionals and Clients of the VMC during that internship solidified that this was the population that she was meant to work with. That dream came true in October 2012, when she returned to the Veterinary Medical Center and College of Veterinary Medicine. Ms. Diesch-Chham spent 9 years in that role serving clients, clinicians and students. In that time her role changed and evolved, allowing her to hone her therapeutic approach with professional students, veterinary professionals and individuals and families struggling with the pain of saying goodbye to their furry family members.

Recognizing and Responding to Crisis: A Communicative Approach

Presenter: Ms. Emily Krekelberg

Veterinarians are known for working with animals, but they work with people too. It’s not uncommon for vets to come into contact with clients that may be dealing with a high stress load. When people are severely stressed or even in crisis, their feelings may come up unexpectedly and we may not know how to respond. In this session, we will learn how to identify stress in others and discuss how strong communication skills can help de-escalate high stress situations. This session is for anyone who has ever thought, “I should say something, but I don’t know what to say.”

Emily Krekelberg, MA
krek0033@umn.edu | extension.umn.edu

Ms. Krekelberg grew up on her family’s dairy farm near Le Sueur, Minnesota. She works for University of Minnesota Extension as the Extension Educator for Farm Safety & Health. Her work focuses on grain bin safety, youth farm safety, farmer mental health, and suicide prevention. A passion of Emily’s is advocating for wellness in agriculture. She received her Bachelor of Science in Animal Science in 2013, and her Masters in Agricultural Education in 2018 from the University of Minnesota.

Building a LIFELINE-Suffering in Silence-OA and Chronic Pain in Cats

Presenter: Dr. Nikko Grossapoulos

Discuss new understandings of the pathways that lead to the pain of chronic osteoarthritis in cats, as well as a review of Solensia, a new therapy for the long-term treatment of pain secondary to OA in cats.

Nikko Grossapoulos, DVM
nikko.grossapoulos@zoetis.com | zoetis.com

Dr. Grossapoulos (aka Dr. G) is a Professional Services Veterinarian for Zoetis. He brings to Zoetis a wealth of experience in leadership and a passion to create exceptional client service, experiences, and loyalty. Dr. G started his professional education with a dual undergraduate degree in Theater Arts & Biology Sciences before pursuing a career in veterinary medicine. Before becoming a veterinarian, he created his own pet-care company, growing it into a thriving business with 20 employees and well over 1500 clients in the Chicagoland area. He sold his successful company upon acceptance into the veterinary school of medicine at the University of Minnesota. Dr. G practiced within the Twin Cities region with a concentration in small animal medicine. His clinical passions include dermatology, leptospirosis/Lyme disease prevention and improving compliance around heartworm disease.
7:30 am-8:20 am  
Coffee Chat  
Sponsored by:  

Christian Veterinary Mission  

Christian Veterinary Mission  
Prayer Breakfast  
Room: Nicoletel 2/3-1st floor  
Presenters: Drs. Jenny Aldridge and Cherie Igleski  

Updates of CVM’s work around the world will be shared as well as thoughts on our annual theme of “Transformation” from Romans 12. CVM exists to share Christ’s love through veterinary medicine.

10:10 am-11:0 am  
Council of Senior Veterinarians  
Presenter: Dr. Susan Jones  
Room: Nicolett D1-1st floor  

Learn about the global history of veterinary medicine and animal healing from one of the authors, Dr. Susan Jones, of A Concise History of Veterinary Medicine.

12:00 pm-2:00 pm  
MVMA Annual Business & Awards Luncheon  
Presenter: Dr. Nancy Peterson, MVMA President  
Room: Nicolett A-C-1st floor  

MVMA Members ONLY: This is your organization so make sure your voice is heard by attending this important business luncheon.

Nancy Peterson, DVM  
nlpdv@gmail.com | nrvccom  
Dr. Nancy Peterson received her BA in biology in 1989 and her DVM in 1993 both from the University of Minnesota-St. Paul. Dr. Peterson started working at the New Ulm Regional Veterinary Center in April 1998. She works with cattle, horses, sheep, goats, and camelids. She is a member of AASRP, AABP, and AAEP. She served on the MVMA Executive Board (2015-2018), and is a past Bovine Annual Meeting Program Chair. She is currently a WeGIVE and Membership committee member and volunteers at the Miracle of Birth Center every year.

3:30 pm-4:20 pm  
Starting Off on the Right Claw – The Basics of Kitten Behavior and Problem Prevention  

This session walks through the behavioral developmental periods in cats and how each shapes adult behavior. Furthermore, a brief discussion of preventing problems in a number of common aspects of canine behavior will be presented. Finally, we will review early “red flag” warning signs of abnormal behavior in puppies and how to mitigate these issues before it is too late.

4:30 pm-5:20 pm  
Behavior Changes in the Aging Pet  

This presentation aims to address behavioral signs associated with sensory and cognitive decline in dogs and cats. In addition, it outlines the pathophysiology, means of diagnosis, and current treatment options for cognitive dysfunction syndrome.

Meghan Herron, DVM, DACVB  
mherron@gigis.org | gigis.org  
Dr. Meghan Herron is the Senior Director of Behavioral Medicine, Education and Outreach at Gigi’s – A Shelter Organization dedicated to improving the lives of shelter dogs. Prior to her current position she spent over a decade as an Associate Professor in the Department of Veterinary Clinical Sciences as head of the Behavioral Medicine Service at The Ohio State University Veterinary Medical Center. She graduated from The Ohio State University College of Veterinary Medicine and became board-certified as diplomat of the American College of Veterinary Behavior after completing a residency at the University of Pennsylvania School of Veterinary Medicine.

SMALL ANIMAL II-SURGERY  
Room: Greenway B/CH-2nd floor  
Presenter: Ian Holsworth  
Sponsored in part by:  

Arthrex®

Sessions on next page...
8:45 am-9:35 am
Orthopedic Diagnosis Overview: Gait, Clinical Exam & Imaging Choices

A demonstration and discussion of the important (but sometimes forgotten!) aspects of the different evaluation tools needed for the orthopedic patient. The nuances of the gait exam, the palpation techniques and examination sequence with the corresponding decision-making algorithm to determine the diagnostic imaging necessary to determine the present orthopedic abnormalities will be presented in an interactive and case-based format.

10:10 am-11:00 am
Neuropathic Lameness & Management

The presence of neuropathic pain is a common and often undiagnosed cause of lameness and pain in small animal patients. The recognition of radicul and sciatic nerve pain syndromes is currently poor in clinical practice but continues to progress and evolve. The underlying causes, examination techniques, classic examination findings, diagnostic options and treatment protocols will be discussed with case examples.

11:10 am-12:00 pm
The Challenge of Shoulder Lameness and Treatment

The nightmare of challenging thoracic orthopedic lameness is encapsulated with the discussion of which joint is affected... elbow or shoulder... or other? The vagaries of shoulder pathology along with the rising tide of elbow dysplasia patients of all types makes answering the should question a real and often frustrating challenge that we all need help with. The gait characteristics, examination techniques, clinical findings, and diagnostics techniques of choice to confirm and differentiate shoulder lameness will be discussed. The common shoulder joint pathologies and possible differential diagnoses will be explored, and current shoulder treatment modalities investigated.

2:00 pm-2:50 pm
The Hip: A Ball & Socket and its Challenges from Birth to Death

Over a patient’s life, there are several coxofemoral conditions that cause decreased athletic function, lameness, and pelvic pain. Commencing as a juvenile and progressing to a senior the recognition of pathological hip laxity, capital physeal fracture, Legg-Calvé-Perthes (LCP) disease, femoral neck fracture, hip luxation and progressive hip arthritis allow treatment decisions to be made at an appropriate time to best relieve patients pain and dysfunction.

3:30 pm-4:20 pm
Stifle Instability: The Current Understanding

By far the most problematic joints in the canine are the patellofemoral and tibiofemoral articulations of the stifle. The presence of widespread patellar instability and cranial cruciate ligament (CCL) deficiency is a major cause of canine lameness and gait abnormality. The classification of these conditions in terms of degree of anatomic abnormality, presence of clinical dysfunction and severity of pathology will be discussed along with the latest scientific and clinical research findings in terms of medical management, physical rehabilitation, and surgical therapy. What works, what doesn’t, and why it does not. This session may be contentious and challenging. Consider yourself warned.

4:30 pm-5:20 pm
The Fracture Challenge: What to Do and When

As fracture repair has progressed in small animals over the past fifty years the concept of carpenter vs. gardener has driven many of the current strategies. The introduction of bone plating, its evolution into locking plate technology and the more recent focus on minimally invasive fracture repair techniques has allowed veterinary orthopedists to seek more rapid healing with less morbidity. The availability of intra-operative imaging and the development of fluoroscopic protocols has further improved the accuracy of surgical repairs but has increased the complexity of the surgical theatre and the investment that is required to follow the MIPO trend. The pros and cons of the different approaches will be discussed and considered.

Ivan Holsworth, BSc, BVSc, MANZCVSc, DACVS

Igh@vetsurg.com | vetsurg.com


SMALL ANIMAL III-ALTERNATIVE MEDICINE

8:45 am-9:35 am
Introduction to Veterinary Integrative Medicine

Understand better what integrative medicine encompasses. Learn how using a different paradigm for health and disease can help to influence outcomes. Gain knowledge of resources for learning more about specific integrative medicine procedures and supplements.

10:10 am-11:00 am
The Medicinal Magic of Functional Mushrooms for Veterinarians

Learn about mushrooms as members of the Fungi Kingdom, their anatomy, taxonomy and global distribution. Understand the differences among different mushroom species, and how that influences their activity. Gain knowledge regarding the mushroom life cycle and how that influences cultivation technology and mushroom potency. Learn about the bio-active substances that give mushrooms their medicinal benefits such as beta glucans and triterpenoids.

11:10 am-12:00 pm
Review of Published Medicinal Mushroom Studies in Veterinary Species

Learn what published evidence exists for the use of mushrooms in our veterinary species through a review of the few published veterinary studies. Gain knowledge about other potential applications for mushrooms in our veterinary species based on in vitro studies and in vivo studies in laboratory animals and the human species. Understand principles of therapeutic dosing for mushrooms in our veterinary species.
2:00 pm-2:50 pm
Introduction to Nutraceuticals

Learn about this exciting and emerging category of therapeutic. Understand why the FDA is “confused” about nutraceuticals. Gain knowledge of how animal supplement quality control is guided by a collaboration between a trade group and the FDA-CVM. Learn about a few commonly used nutraceuticals.

3:30 pm-4:20 pm
Cannabis in Veterinary Practice—Part I: Cannabis Constituents and their Biological Targets

Gain knowledge about the many bioactive molecules in the Cannabis sativa L. Plant. Learn how these molecules work by interacting with the endogenous system of membrane receptors, ligands and enzymes known as the endocannabinoid system. Understand better how these plant molecules and this endogenous system are responsible for both health benefits and disease remediation found with the use of cannabis extracts.

4:30 pm-5:20 pm
Cannabis in Veterinary Practice—Part II: Practicum on Veterinary Legality; Product Selection; Safety Studies; Dosing Considerations

Learn about the safety studies in dogs cats and horses for CBD. Learn about the best absorption routes of administration based on pharmacokinetic studies. Gain knowledge of the considerations in selecting that perfect product for your practice. Understand dosing strategies for different conditions for dogs and horses.

Robert Silver, DVM, MS
rsilver@dsilverdvm.com | realmushrooms.com

Dr. Robert Silver is a 1982 graduate of Colorado State University’s College of Veterinary Medicine. He received his Master’s Degree in cardiopulmonary physiology in 1976, and his Bachelor’s degree with honors in Animal Science in 1974, also from CSU. Dr Silver is currently adjunct faculty at both the Chi University and at Lincoln Memorial University’s College of Veterinary Medicine. Dr. Silver is president of the American College of Veterinary Botanical Medicine and Past-President of the Veterinary Botanical Medical Association. Dr Silver is a founding member of the Veterinary Cannabis Society and a member of the Cannabis Clinicians Society. Dr. Silver is Chief Veterinary Officer for Real Mushrooms. Dr Silver served as Chief Medical Officer of RxVitamins for the past 25 years until the company was sold in 2021.

8:45 am-9:35 am
On-Farm Nutritional Assessments and Common Nutrient Gaps

Can we visually evaluate the horse’s nutrition status? What can we see and not see? Learn some basic strategies to assess a client’s overall nutrition via two key assessments including body condition scoring and muscle scoring. Discussion to include nutrients commonly missing in the diet and ways to practically address them.

10:10 am-11:00 am
Feeding the Overweight Horse

It is estimated at least 30% of horses worldwide are overweight. This session is designed to help identify and better manage overweight or easy keeping horses, including determining caloric needs, nutritional strategies, facilitating and monitoring body weight loss, and a case study.

11:10 am-12:00 pm
Broodmare and Growing Horse Nutrition

Assessing nutrition status of the broodmare, changing nutrient needs and a focus on feeding her not just during gestation and lactation but prior to breeding. Information will include new research in dietary manipulation of the oocyte in the older mare as well as the obese mare. Feeding strategies and common challenges for the weanling and yearling including DOD will be addressed.

2:00 pm-2:50 pm
Equine Metabolic Disorders, Differentiation and Nutrition Goals

We will discuss insulin dysregulation and the common confusion amidst owners feeding horses with EMS and/or PPID. Participants will leave with knowledge of the latest research and recommendations in specific dietary interventions for these diseases/conditions to utilize with their clients.

3:30 pm-4:20 pm
Feeding the Microbiome: An Emerging Science

The equine gastrointestinal environment is simple yet complex, and while many contributing factors are at play, several aspects of diet are of interest. Various studies will be discussed with regard to veterinary medicine including topics from recent research results that indicate the horse gut microbiome responds to small changes in diet, antibiotic-induced dysbiosis, and the impact of dietary supplementation on stomach and overall GI permeability.

4:30 pm-5:20 pm
Stress, Recovery and Challenges in Feeding the Performance Horse

Whether trail riding with friends or competing on the road, the impact of stress on the gastrointestinal tract of the horse can be challenging. How do nutrient needs change as horses go into work? Practical considerations of fuel sources, muscle development, recovery, and hydration. Participants will also leave with knowledge of specific nutrient specifications for common performance horse diseases/conditions to utilize with their clients.

Abby Keegan, MN, PAS
akeegan@platinumperformance.com | platinumperformance.com

A graduate of Iowa State University, Abby also holds a master’s degree in Animal Science with a focus in Equine Nutrition and Extension from Kansas State University. Always emersed in the world of the horse, Abby has worked as an Equine Nutritionist for the past 18 years, conducting research, developing products and consulting and teaching via a technical services team. She is passionate about educating clients and working together with veterinarians to best harness the power of advanced nutrition to support the health, performance and longevity of the horse. Abby is certified with the American Registry of Professional Animal Scientists and a member in good standing with the Equine Science Society.
With the incidence of digital dermatitis (DD) or “Hairy Heel Warts” have moved from being considered as a “dairy” disease to a daily occurrence in many Midwestern feedyards. This session will provide an overview of the history, pathophysiology, and the causes of this disease in the feedlot.

8:45 am-9:35 am
Managing Digital Dermatitis in Feedyards-Part I
Presenter: Dr. Terry Engelken

Test with limited options and a lot of unfamiliar pathogens, it can be difficult to make recommendations on mastitis treatment. Despite this, there are some guidelines we can use to develop a rational approach to treatment. In this second session, we will review some recent research on mastitis treatment and delve into the practicalities of applying mastitis treatment best practices on client dairies, with a focus on antibiotic stewardship. We’ll also tackle some of the common problems and misconceptions that get in the way of implementing successful mastitis treatment protocols on dairies.

2:00 pm-2:50 pm
Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part II
Presenter: Dr. Erin Royster

Digital dermatitis (DD) or “Hairy Heel Warts” have moved from being considered as a “dairy” disease to a daily occurrence in many Midwestern feedyards. This session will provide an overview of the history, pathophysiology, and the causes of this disease in the feedlot.

10:10 am-11:00 am
Managing Digital Dermatitis in Feedyards-Part II
Presenter: Dr. Terry Engelken

With the incidence of digital dermatitis increasing in Midwestern feedyards, veterinary practitioners are being called upon to help these operations manage this disease. This session will provide current information on prevention and management strategies that can be adopted at the feedyard level to decrease the effects of this disease and improve performance and cattle comfort.

11:10 am-12:00 pm
Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part I
Presenter: Dr. Erin Royster

11:10 am-12:00 pm
Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part I
Presenter: Dr. Erin Royster

It’s been several years now since the Lab for Udder Health in the Veterinary Diagnostic Lab started using a MALDI-TOF for identification of microorganisms from milk culture. This highly accurate diagnostic instrument has given us new insight into the myriad pathogens that cause mastitis on today’s dairies. There is still much we don’t know, but some trends are clear. In this first session, we will look at mastitis pathogen trends, and discuss the implications for mastitis treatment programs.

3:30 pm-4:20 pm
Upcoming FDA Changes Regarding Reimplanting: What You Need to Know
Presenter: Dr. Grant Crawford

The FDA has asked implant manufacturers to change the language on growth-promoting implant labels to basically restrict reimplanting within a production phase after June 2023. This change will affect implant programs, particularly in feedlot cattle, and will require producers and their advisors to understand implant labeling, production phases, and how to match an implant program to specific production situations.

Grant Crawford, PhD, MS
grant.crawford@merck.com | merck-animal-health-usa.com

As the faculty advisor for the University of Minnesota Laboratory for Udder Health, Dr. Royster is involved in research, teaching and outreach related to mastitis control and diagnostics, particularly on-farm diagnostics.
8:45 am-9:35 am
**5 Uncomfortable Truths About Your Practice Worth Knowing**

Acknowledge five truths about veterinary hospitals that risk engagement, productivity, service and care.

10:10 am-11:00 am
**Communication and Workflow in the Age of Stress - Part I**

Become aware of how we inadvertently add to our stress levels with poor communication practices.

11:10 am-12:00 pm
**Communication and Workflow in the Age of Stress - Part II**

True engagement and employee happiness hinge on the ability to succeed at work. Are we getting in the way?

2:00 pm-2:50 pm
**Numbers to Watch in a Wobbly Economy**

Learn the 2023 benchmarks for our industry’s most reliably managed veterinary practices and what they mean.

3:30 pm-4:20 pm
**Train of Thought - Part I**

Learn what motivates employees and how you can improve the chances you’ll capture discretionary effort from staff.

4:30 pm-5:20 pm
**Train of Thought - Part II**

Learn to navigate emotionally charged employee discussions.

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**SUNDAY, FEBRUARY 5**

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**NORMAL DENTISTRY**

**Room: Greenway D-G-2nd floor**

**Presenter: Dr. Emily Edstrom**

8:00 am-8:50 am
**Normal Dental Radiographic Anatomy in the Dog and Cat**

Dental radiographs are an integral part of documenting oral pathology, and they help guide our treatment plans. Without them, we’re going in blind! Let’s start with normal pathology and get comfortable with what we’re seeing.

9:30 am-10:20 am
**Endodontic Disease vs. Periodontal Disease**

One of these involves the inside of the tooth, the other involves that outside. Why does it matter? In this session, we’ll talk about why this distinction matters and how it guides our treatment plan.

11:00 am-11:50 am
**The Cat’s Me-OUCH! Common Oral Pathology in Cats**

Tooth resorption and stomatitis are the two most common diseases that we see in our feline friends, and they really hurt! We’ll talk through some of the most common oral pathology we see in cats, including stomatitis and tooth resorption, and treatment options.
1:45 pm-2:35 pm  
**Malocclusions and Why They Matter**

With so many new puppies joining families over the last couple of years, we’re seeing more malocclusions than ever before! Come learn about why they matter, how to diagnose them and options for treatment.

2:45 pm-3:35 pm  
**Dental Emergencies and Oral Trauma**

Fractured teeth, fractured jaws, oral bleeding, oh my! What you need to know to triage and stabilize these traumatic occurrences in dogs and cats.

3:45 pm-4:35 pm  
**Lumps and Bumps: Common Oral Tumors**

A general practitioner’s guide to diagnosing and staging common oral tumors in dogs and cats and understanding different treatment options.

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**Emily Edstrom, DVM, DAVDC**

Emily Edstrom has been practicing veterinary dentistry and oral surgery for nearly ten years. After earning her Doctorate of Veterinary Medicine from Colorado State University in 2010, she continued her training in the Washington, DC metro area by completing an internship at VCA Veterinary Referral Associates in Gaithersburg, MD, followed by a Residency in Dentistry & Oral Surgery at the Center for Veterinary Dentistry and Oral Surgery in Gaithersburg, MD. She became a Diplomate of the American Veterinary Dental College in 2016. Dr. Edstrom currently practices as a Veterinary Dentist & Oral Surgeon at BluePearl Pet Hospital in Arden Hills, Minnesota. She enjoys all aspects of oral surgery, including root canals treatment, extractions and periodontal therapy, but she is particularly interested in treating maxillofacial fractures/trauma and different forms of oral tumors.

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**SMALL ANIMAL II-OPHTHALMOLOGY**

Room: Greenway Bi/CH-2nd floor  
Presenter: Dr. Elizabeth Giuliano

8:00 am-8:50 am  
**The Complete Ophthalmic Exam: Back to Basics**

Ocular examinations are still intimidating for many practitioners. Why is that? Join me for a chance to review critical examination techniques useful in the localization of an ocular lesion, thereby helping to narrow down the possible differential diagnosis and further hone the diagnostic work-up.

9:00 am-10:20 am  
**Let’s Put the “Fun” in Funduscopy Again**

Ocular examinations can sometimes be intimidating when the practitioner is unsure of the diagnosis. This is especially true when it comes to trying to examine the posterior segment of the eye. The goal of this lecture will be to help review techniques useful in ensuring that you can get a good look and case examples of what you are visualizing.

10:30 am-11:20 am  
**Having Trouble Getting that Chronic Superficial Ulcer to Heal? Help with those Pesky Indolent Erosions**

Corneal ulcers are a common ophthalmic condition presenting to the small animal practitioner. We will discuss management of indolent erosions (or Spontaneous Chronic Corneal Epithelial Defects, SCCED) and easy to perform therapies that the small animal practitioner can perform to improve healing outcomes.

11:30 am-12:20 pm  
**If a Picture is Worth a 1000 Words, Let’s Learn How to Capture All of the Worlds**

We now live and work in a world where telemedicine is commonplace. Capturing good extraocular photographs with your smartphone can dramatically improve your working relationship with your referral veterinary ophthalmologist and clients when it comes to patient care. We will examine good and bad examples of these sorts of consults with practical tips on how to improve your technique. In short, help us better help you!

2:45 pm-3:35 pm  
**Eyelid Surgery: Pearls to Optimize Functional and Cosmetic Outcomes**

Through the use of ample video and case examples, we will review common surgical eyelid diseases presenting to the small animal general practitioner. What can you safely perform, how can your experiences and outcomes be improved, and when should you recommend referral?

3:45 pm-4:35 pm  
**Enucleation Surgery: Why Does this Seems More Difficult than the Textbooks Say?**

Many practitioners, particularly new graduates, often do not feel comfortable removing a blind, painful eye that warrants enucleation. This lecture will provide an overview of this procedure and provide some useful tips to making each procedure a more comfortable experience for both patient and veterinarian alike.

**Elizabeth Giuliano, DVM, MS, DACVO**

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Dr. Giuliano received a Bachelor of Science with honors from Cornell University in Ithaca, New York in 1991 and her DVM degree from the University of Wisconsin-Madison in 1996. Following graduation from veterinary school, she completed a small animal rotating internship at the Animal Medical Center in New York City in 1997 and remained in private practice in midtown Manhattan the following year. In 1998, she returned to the University of Wisconsin-Madison to complete a Comparative Ocular Pathology Fellowship. Since July 1, 1999, Dr. Giuliano has been a member of the College of Veterinary Medicine at the University of Missouri where she completed a residency in veterinary ophthalmology and a Masters of Science degree. She is currently a tenured Professor of the department of Veterinary Medicine and Surgery at the University of Missouri and Section Chief of their comparative ophthalmology service.
SMALL ANIMAL III-CARDIOLOGY
Room: Regency-2nd floor
Presenter: Dr. Sandra Tou

8:00 am-8:50 am
Keeping Up to Date with Degenerative Mitral Valve Disease
This lecture will apply updates from the 2019 ACVIM Consensus Statement and 2016 EPIC Study to dogs with known or suspected valvular heart disease, including ways to assess disease severity and when to begin therapy.

9:30 am-10:20 am
Keeping Up to Date with Degenerative Dilated Cardiomyopathy
This lecture will review and compare idiopathic and diet-related dilated cardiomyopathy, as well as current diagnostic and treatment options.

11:00 am-11:50 am
Heart Murmurs in Cats: To Be or Not to Be HCM
This lecture will focus on approach to the feline murmur, why some cats have murmurs (and others don't) and various screening and diagnostic tools for hypertrophic cardiomyopathy.

1:45 pm-2:35 pm
Diagnosis of Heart Failure: Radiographs and Beyond
This lecture will discuss the traditional tests used to diagnosis heart failure, as well as "newer" modalities like point of care testing that can help when thoracic radiographs leave you guessing.

2:45 pm-3:35 pm
Diagnosis of Heart Failure: Lasix and Beyond
This lecture will discuss how to manage more challenging or recurrent heart failure cases and when to consider the addition of "newer" therapies.

3:45 pm-4:35 pm
Recognizing and Treating Life-Threatening Arrhythmias
This case-based series will discuss tips to making a fast diagnosis of the more critical arrhythmias seen in small animal practice, as well as outline both emergent and long-term treatment for each arrhythmia.

Sandra Tou, DVM, DACVIM (Cardiology and Internal Medicine)
sptou@ncsu.edu | cvm.ncsu.edu

A Dr. Sandy Tou works as an assistant professor at the North Carolina State University College of Veterinary Medicine in Raleigh, NC. Sandy received her undergraduate degree from the University of Maryland, followed by her DVM from the University of Florida. After her internship, she completed a residency in small animal internal medicine at UF and worked as an internist in Los Angeles for several years before returning to the east coast. She completed a cardiology residency at NCSU in 2010, becoming board-certified in both cardiology and small animal internal medicine. Dr. Tou’s interests include heart failure therapy and interventional cardiology for congenital heart disease.

BOVINE
Room: Lakeshore C-1st floor
Sponsored in part by:

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8:00 am-8:50 am
Practical “Biotic” Usage in Calves, Dairy, and Beef-Part I
Presenter: Dr. Ehsan Khafipour

9:30 am-10:20 am
Practical “Biotic” Usage in Calves, Dairy, and Beef-Part II
Presenter: Dr. Ehsan Khafipour

Ehsan Khafipour, PhD
ehsan_khafipour@cargill.com | cargill.com

Dr. Khafipour is the Director of Microbiome Research & Tech Support for Cargill Animal Health. In his current role, he directs a multi-species microbiome research to understand the mode of action of our existing products and assists with development of new technologies to help humans as well as food producing, and companion animals live more healthy days. He also provides support in microbiome education and training for a wide range of audience within the organization, and their customers. Ehsan has 18 years of research experience in the areas of microbiome, physiology and metabolic health in both ruminants and monogastric species. Prior to joining Cargill in 2019, he was an Associate Professor at the Department of Animal Science, Faculty of Agricultural and Food Sciences, and an Adjunct Professor at the Department of Medical Microbiology and Infectious Diseases, Faculty of Medicine, University of Manitoba, Canada. Ehsan obtained his Bachelor and Master’s degrees in Animal Science from Ferdowsi University, Iran, and his PhD in Gut Microbiology from University of Manitoba, Canada.

11:00 am-11:50 am
Practical “Biotic” Usage in Calves, Dairy, and Beef-Part III
Presenter: Dr. Mario Vailati Riboni

Livestock producers are always on the lookout for novel feed additives that would generate consistent returns and improve their profitability. Whether this is achieved via increased feedstuff utilization (digestibility, absorption, efficiency), improved performances (milk yield, growth rates), or protection of health (resistance and resilience to pathogenic infection, and environmental and management stressors), “biotics” are finding their place in the modern dairy and beef industry. This three-part short course will cover practical application of prebiotics, probiotics and postbiotics in livestock operations, by exploring published results on these supplements efficacy in dairy and beef diets.

Mario Vailati Riboni, PhD
mario.riboni@diamonvdv.com | diamonvdv.com

As Diamond V’s Ruminant Technical Service Specialist, Dr. Mario Vailati Riboni is responsible for providing dairy technical support to Diamond V customers and growing Diamond V’s business. Riboni serves the Southeast United States, and he is based in Knoxville, Tennessee. Before joining Diamond V in 2021, Riboni served as a Post-Doctoral Research Associate at the University of Illinois, Urbana-Champaign in the Department of Animal Science. Riboni earned his BS in Science & Technology of Agriculture at Università Cattolica del Sacro Cuore in Piacenza, Italy, where he also earned his MS in Animal Science. Riboni received his PhD in Animal Science-Dairy Cow Nutrigenomics from the University of Illinois.
1:45 pm-2:35 pm
**Packer’s Perspective of Beef Crosses**
Presenter: Dr. Zeb Gray

A review of why the beef dairy cross sector has grown so quickly in such a short period of time. A discussion of some of the challenges with them from packer’s perspective and how this sector impacts packers, retailer, and conventional feedlots going forward.

**Zebadiah Gray, PhD, PAS**
zeb_gray@diamondV.com | diamondv.com

Dr. Gray is an Iowa native that first attended Iowa State University and later completed his Ph.D. at the University of Wyoming focusing on growth and development as it related to meat quality.

He coached several meat judging teams for the university that culminated in an unprecedented five national contest victories as well as the Reserve National Champion team in 2015. Upon graduation, he accepted a feedlot consultant role with a regional feed company in the Midwest where he assisted cattle producers in making economic decisions pertaining to growing feedstuffs, rations, and cattle marketing. For the past two years, he has worked for Diamond V as a Feedlot Technical Consultant. In this role, he supports cattle nutritionists and their customers in the field with optimizing health and efficiency through drawing on his previous experiences as well as conducting TMR audits.

2:45 pm-3:35 pm
**Developing and Supporting Rural Veterinary Practitioners Pathways to Practice**
Presenter: Dr. Tim Goldsmith

Recruiting and retaining veterinarians in rural veterinary practices continues to be a challenge. Dr. Goldsmith will discuss challenges and opportunities from the perspective of the Ruminant Medicine Group at the University of Minnesota College of Veterinary Medicine related to existing and developing opportunities for food animal and Rural Practice interested veterinary students. Opportunities exist for practitioners and practices to establish pipelines to hire and better retain veterinarians that will also greatly benefit student training and preparedness.

**Tim Goldsmith, DVM, MPH, DACVPM**
gold0188@umn.edu | vetmed.umn.edu

Dr. Goldsmith is a Professor within the Ruminant Division at the University of Minnesota, College of Veterinary Medicine since 2008. He is a graduate of the University of Minnesota, College of Veterinary Medicine in 2001, and became board certified in the American College of Veterinary Preventative Medicine in 2009. Professional experience prior to his current position was as a private practice large animal veterinarian focusing primarily on food animals, working with clients in MN, IA and WI. Current research and academic interest is in areas of livestock production systems and emergency response planning.

Dr. Goldsmith focuses on the development and teaching of programs for veterinary students in the area of bovine production medicine and management, along with providing outreach and education to veterinarians and producers throughout Minnesota.

3:45 pm – 4:25 pm
**Movement and Management in MN’s Beef Industry**
Presenter: Dr. Joe Armstrong

Discuss the results of a survey of MN beef producers conducted in 2020 and 2021. The survey was targeted to help those who serve the MN beef industry better understand their audience and clients. Dr. Joe will discuss how the results show where we should focus our efforts to encourage practices that benefit both cow-calf and feedlot operations, with the end goal of improving Minnesota’s beef production.

**Joe Armstrong, DVM**
armsl225@umn.edu | extension.umn.edu

Dr. Joe Armstrong received his bachelor’s degree in biology from the University of Minnesota-Morris in 2011. He graduated from the University of Minnesota-College of Veterinary Medicine in 2015. After veterinary school, Joe worked as a private practitioner with beef and dairy farms at Anderson Veterinary Service in Zumbrota, MN. Currently, Dr. Joe is the Cattle Production Systems Extension Educator at the University of Minnesota where he helps beef and dairy operations with the practical application of evidence based medicine and management.

**PUBLIC HEALTH**
Room: Greenway A/J-2nd floor

8:00 am-8:50 am
**Guidance for the General Practitioner: Detect, Treat and Prevent Antimicrobial-Resistant Infections**
Presenters: Drs. Amanda Beaudoin and Jennifer Granick

Many practitioners can relate to the growing challenge of infections that are difficult to treat. Join Dr. Jennifer Granick, a small animal internist at UMN College of Veterinary Medicine, and Dr. Amanda Beaudoin, a veterinary epidemiologist at the Minnesota Department of Health to learn more about multidrug-resistant organisms, the infections they cause, and ways to detect and prevent them.

**Amanda Beaudoin, DVM, PhD**
amanda.beaudoin@state.mn.us | health.state.mn.us

Amanda Beaudoin, DVM, PhD is Director of One Health Antibiotic Stewardship at Minnesota Department of Health. She holds a Doctor of Veterinary Medicine degree from Cornell University, a PhD in veterinary epidemiology from the University of Minnesota, and board certification by the American College of Veterinary Preventive Medicine. Dr. Beaudoin has worked in equine and small animal clinical practice and conducted research on influenza in swine, poultry, and human populations. Dr. Beaudoin previously worked for the Centers for Disease Control and Prevention, providing infection prevention and control support to healthcare facilities and assisting foreign governments to establish clinical antibiotic resistance surveillance. In her current role, Dr. Beaudoin works with stakeholders of the state’s One Health Antibiotic Stewardship Collaborative to advance antibiotic resistance and stewardship activities in human, animal and environmental health, and agriculture.
Jennifer Granick, DVM, PhD, DACVIM
grani003@umn.edu | vetmed.umn.edu

Jennifer Granick, DVM, PhD, Diplomate ACVIM is an associate professor of small animal internal medicine at the University of Minnesota College of Veterinary Medicine. Her research focuses on clinical antibiotic use and antimicrobial stewardship. She is Co-director of the Antimicrobial Resistance and Stewardship Initiative (ARSI) at the University of Minnesota and the Companion Animal Veterinary Surveillance Network. She chairs the University of Minnesota Veterinary Medical Center’s Antimicrobial Stewardship Committee.

9:30 am-10:20 am
The Roles of Official Veterinarians at Livestock Concentration Point Events in Minnesota

Presenters: Dr. Brian Hoefs and Ms. Myrrh-Anna Van Zandt

An overview of the credentials to serve as an “Official Veterinarian” on behalf of the Minnesota Board of Animal Health at livestock exhibitions, sales, and markets as well as the responsibilities of that role when assigned to an event.

Brian Hoefs, DVM
brian.hoefs@state.mn.us | bah.state.mn.us

Brian Hoefs received his DVM degree from the University of Wisconsin in 1998. He has been with the Minnesota Board of Animal Health for 3 years and currently serves as the Senior Veterinarian overseeing Equine, Swine, and Livestock Concentration Point Programs.

Myrrh-Anna Van Zandt, MS
myrrh-Anna.kienitz@state.mn.us | bah.state.mn.us

Myrrh-Anna Van Zandt obtained her Master’s degree in Animal Science from the University of Minnesota with advanced training in biosecurity within animal agriculture. She has been with the Minnesota Board of Animal Health for 5 years and currently serves as the administrator of Livestock Concentration Point Programs.

11:00 am-11:50 am
Experiences from the Front Line of the 2022 Highly Pathogenic Avian Influenza Outbreak in Raptors in Minnesota

Presenters: Dr. Victoria Hall

This presentation will go over the real-life implementation of these biosecurity plans in the midst of a large disease outbreak, and how these protocols were adjusted over time. It will also discuss clinical characteristics of this strain of HPAI in wild raptor patients, diagnostic testing, and overarching HPAI lessons learned at a large raptor rehabilitation center during the spring of 2022.

Victoria Hall, DVM
victoriahallvd@gmail.com | raptor.umn.edu

Dr. Victoria Hall serves as the Executive Director of The Raptor Center and as the Redig Endowed Faculty Chair in Raptor and Ecosystem Health at the University of Minnesota’s College of Veterinary Medicine. She recently comes from the Smithsonian Institution where she served as the Veterinary Epidemiologist for the National Zoo and as a Public Health Officer for the Smithsonian Institution’s COVID-19 response. Dr. Hall formerly served as an Epidemic Intelligence Service Officer for the Centers for Disease Control and Prevention, responding to infectious disease outbreaks in human health, including outbreaks involving: multidrug resistant tuberculosis, measles virus, and Zika virus. She received her Doctor of Veterinary Medicine and her Masters of Science (Veterinary Preventive Medicine) from Mississippi State University.

1:45 pm-2:35 pm
Canine Brucellosis in Minnesota

Presenter: Dr. Veronica Bartsh

Canine Brucellosis has been identified as a zoonotic disease of increasing concern by the CDC, and cases are on the rise in MN. This session will review the pathology of the disease, clinical signs and treatment (or lack thereof), reporting requirements, and the epidemiology of cases in MN. You will leave this session with practical, clinically relevant information to confidently handle cases of canine brucellosis in your clinic.

Veronica Bartsh, DVM
(See page 21 for full bio)

2:45 pm-3:35 pm
An Overview of the 2022 MPOX Whirlwind

Presenter: Dr. Shama Cash-Goldwasser

MPOX has primarily been a threat to humans living in tropical areas of western and central Africa, with outbreaks in non-endemic areas sparked by the exotic pet trade and international travel. The 2022 global outbreak, with nearly 90,000 cases in over 100 countries, shined a light on this otherwise neglected zoonotic tropic disease. This presentation will describe the epidemiology of MPOX in humans, including the clinical course, treatment, and infection prevention strategies, vaccine availability and eligibility, and ongoing research to further understand this disease.

Shama Cash-Goldwasser, MD, MPH
Shama.cash@state.mn.us | health.state.mn.us

Shama Cash-Goldwasser is an Epidemic Intelligence Service Officer at CDC, based at the Minnesota Department of Health. She is an infectious diseases physician. She has extensive global health experience and has worked in a number of countries, including in Tanzania where she studied endemic bacterial zoonoses as a Fogarty Fellow, and in Kenya where she studied arboviral causes of undifferentiated fever. Her primary interests are public health preparedness and response to emerging infectious diseases that disproportionately effect marginalized communities. Soon after joining the Epidemic Intelligence Service in summer 2022, she was deployed for four months to the clinical consultations team within the national mpox response and also contributed to mpox response efforts in Minnesota.

3:45 pm-4:35 pm
Minnesota Board of Animal and Minnesota Department of Health Updates

Presenters: Drs. Courtney Wheeler and Stephanie Yendell

The Minnesota Board of Animal Health and Minnesota Department of Health work closely to monitor and prevent the spread of diseases in Minnesota animal and human populations. This session will offer quick update on diseases reported by veterinarians in the last year and an overview of how the agencies respond.

Courtney Wheeler DVM
(See page 20 for full bio)
Stephanie Yendell, DVM, MPH
Stephanie.yendell@state.mn.us | health.state.mn.us

Dr. Yendell is the supervisor of the Health Risk Intervention Unit in the Environmental Health Division at the Minnesota Department of Health. She is a graduate of the University of Minnesota’s dual degree program, where she received a Doctorate in Veterinary Medicine and a Masters in Public Health. Dr. Yendell completed the Epidemic Intelligence Service program at CDC working on arboviruses before returning to Minnesota to work as an epidemiologist for the lead and healthy homes program. Currently, she supervises a team that works on blood lead surveillance for children and adults, healthy homes, and the toxic-free kids program.

PRACTICE MANAGEMENT
Room: Lakeshore A-1st floor

8:00 am-8:50 am
Workers Compensation for Veterinary Practice
Presenter: Mr. Bill Butler
Sponsored by:

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Unfortunately, Workers Compensation Insurance is simple and complicated all at the same time which leaves Practice Owners & Managers with more questions than answers. The biggest question being: Why am I paying so much for my Workers Compensation Insurance? In this interactive presentation you will learn: 1. The parts of a Workers Compensation Policy & How Your Premiums are Calculated; 2. What an Experience Modification is and how to control your costs; 3. How to have a world class audit experience to prevent mistakes that could cost you thousands. Fast and easy to implement strategies that will help you when claims happen.

Bill Butler, CIC, CISR, CWCA
bill@butlervetinsurance.com | butlervetinsurance.com

Bill Butler is president of Butler & Associates Insurance Agency Inc. and founder of Butler Vet Insurance, focusing on insurance for the veterinary and pet services industry. He spent twelve years in the military with the Minnesota Army National Guard and US Army, serving in various roles both in

Stephanie Yendell, DVM, MPH
Stephanie.yendell@state.mn.us | health.state.mn.us

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Bill Butler is president of Butler & Associates Insurance Agency Inc. and founder of Butler Vet Insurance, focusing on insurance for the veterinary and pet services industry. He spent twelve years in the military with the Minnesota Army National Guard and US Army, serving in various roles both in
In this session, we will share examples of the benefits strategies that have been most effective for local veterinary practices and provide guidance on where to start if you are not currently offering benefits to your employees. Key Learnings: Gain insights from 2022 benefit and wellness employee surveys; Hear from two Minnesota veterinary practices regarding their reasons for offering benefits and what they have learned from their personal experiences; Learn how to start building an effective and sustainable benefits program; Gain an understanding of what is required from an administrative perspective to effectively manage and communicate benefits.

Andy Ahlberg
ahlberg@dystewilliams.com | dystewilliams.com

Andy leads Dyste Williams Employee Benefits Consulting Practice, providing employee benefits, health management and employee engagement strategies to more than 250 small to mid-size organizations. With more than 20 years of healthcare industry experience, Andy leverages his extensive knowledge of small group marketing segments, distribution, benefit compliance, underwriting and enrollment to help organizations understand the implications and cost of various plan designs.

Stacy Meehan
smeehan@dystewilliams.com | dystewilliams.com

Stacy leverages more than 20 years of employee benefits insurance knowledge and benefits administration experience to deliver innovative and customized solutions to her clients. She enjoys educating clients and helping them better understand their coverages. She also manages carrier relationships and administers employee enrollment and benefits administration solutions. Before joining Dyste Williams in 2016, Stacy was an Account Specialist and Benefits Administrator at BlueCross BlueShield of Minnesota for over 14 years.

2:45 pm-3:35 pm
The Art Behind Persuading Clients
Presenter: Ms. Maxine Curley
Sponsored by:

Persuading clients and dealing with objections effectively to promote the very best health care for patients. Step by step approach to do so, includes story telling of how it can impact patient quality of care and improve relationship between client and whole clinic staff. Sales is a dirty word in veterinary medicine?

Maxine Curley, CVT
maxine.curley@royalcanin.com | royalcanin.com

Maxine Curley is a high performing sales representative and serves as the district manager at Royal Canin. She earned her BS in Animal Science/Equine Science at the University of Minnesota, Crookston, and her AAS in Veterinary/Animal Health Technology from Rochester Community and Technical College. Prior to joining Royal Canin, Maxine, served as a sales consultant for Central Farm Service.

3:45 pm-4:35 pm
How to Handle Finances Meow and in the Future: Student Debt, Buying a House & Getting Into Practice
Presenter: Mr. Rob Borcherding
Sponsored by:

Veterinarians have access to specific types of lending products and services different from many other industries. The goal of this session is to educate & simply the process for DVM’s to prepare financially for these financial events in their life. Additionally, this session will work to answer some of the hottest topics for DVM’s in the world of practice ownership & personal finance. A DVM attending this session would walk away better educated and aware of the financial benefits offered to them because they are a Veterinarian Professional.

Rob Borcherding, BS, BA
rob.borcherding@panaceafinancial.com | panaceafinancial.com

Rob Borcherding is a Regional Healthcare Manager with Panacea Practice Solutions, a specialized healthcare lending division of Panacea Financial which focuses exclusively on Dentists, Veterinarians and Physicians with consumer banking, consumer loans, student loan refinances and commercial banking & loans. Rob’s responsibility is to be a regional & nationwide consultant to any doctor or student looking to do anything in the world of private practice and doctor-specific consumer banking & lending. Whether it’s preparing for ownership, starting or acquiring a practice, expanding or growing a practice, or preparing for transition, his role is to support, guide or connect that practitioner to Panacea’s vast network of resources and tools. With 20+ years experience in financial services, he is skilled in all the various aspects that a doctor needs to put together to work through the financing side of private practice ownership, plus he can support with various consumer lending & banking needs.

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