

MVMA
Minnesota Veterinary
Medical Association

MVMA 126th Annual Meeting Program Book

Wednesday, February 1 - Saturday, February 4, 2023, Hyatt Regency Minneapolis



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

Gold Level



**The Academy of
Veterinary
Medical Practice**



2023 SPONSORS

Silver Level



Bronze Level



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SMALL ANIMAL PROGRAM

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WEGIVE

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President's Welcome

126th Annual Meeting



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!

A handwritten signature in black ink, appearing to read "Nancy Peterson". The signature is fluid and cursive, with a long horizontal line extending to the left.

Nancy Peterson, DVM

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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 for your chance to win a variety of prizes. 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

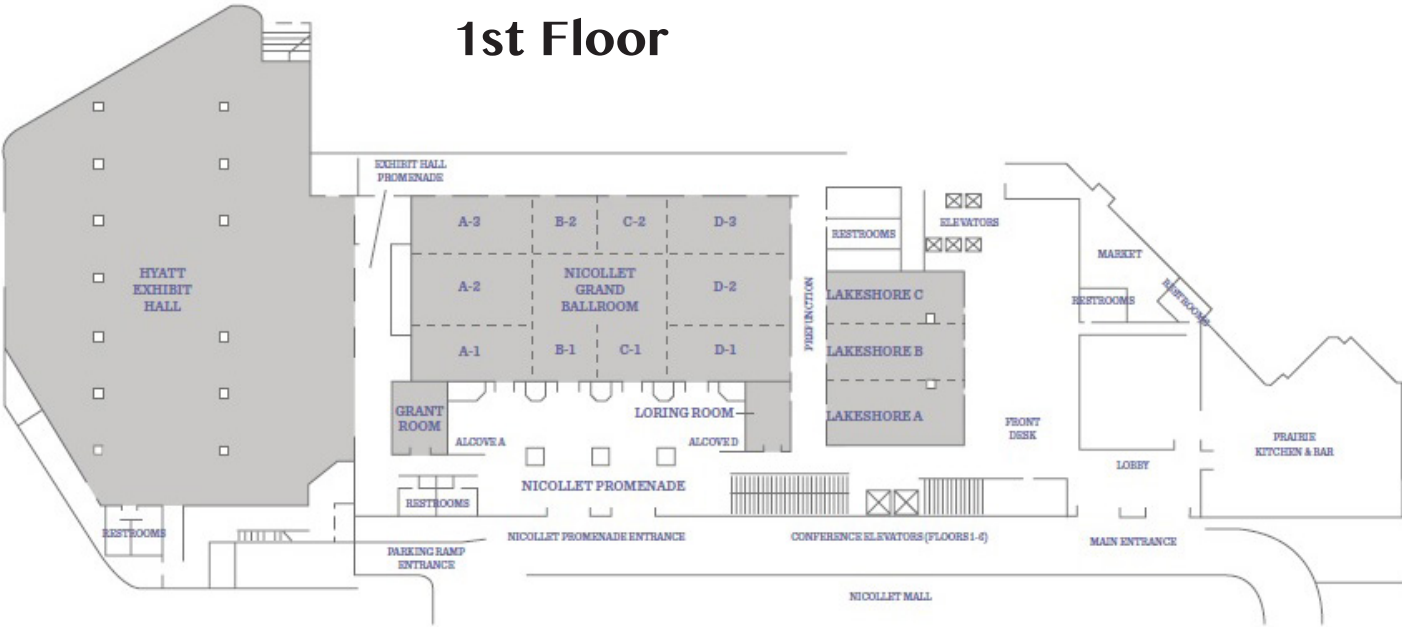
SAVMA offers coat check in the Nicollet Promenade (1st Floor). Donations received will be used to support student programs. Check your coat when you arrive and support this good cause!

Consent to Use Photographic Images

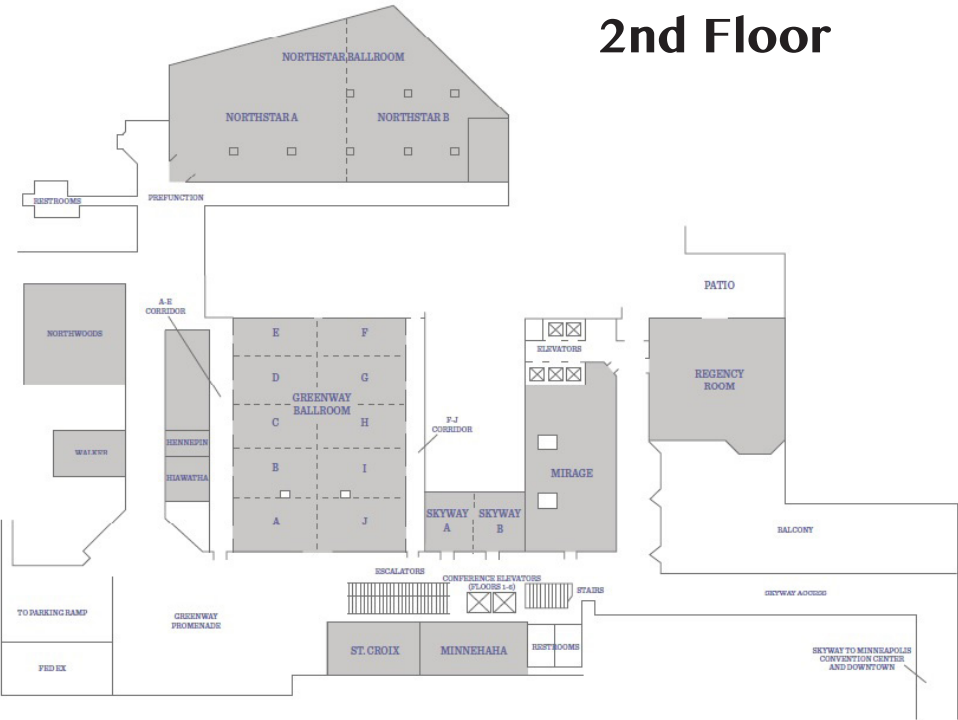
Registration and attendance at, or participation in, the MVMA Annual Meeting and other activities constitutes an agreement by the registrant to MVMA's use and distribution (both now and in the future) of the registrant or attendee's image and/or voice. This includes the use and distribution in photographs, videos, electronic reproductions, and audiotapes of such events and activities.

Hotel Map

1st Floor



2nd Floor





126th MVMA Annual Meeting CE Tracking Sheet
February 1-4, 2023—Hyatt Regency Minneapolis

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.

I certify that I attended the session(s) checked on this form, for a total of _____ CE Credits.

Participant Name: _____

Signature: _____

Wednesday February 1 st , and Thursday February 2 nd							
PRE-CONFERENCES	SA I-Oncology	SA II-Anesthesia	SA III-Exotics	SMALL RUMINANT	VET PRACTICE PLUS	SWINE	WeGIVE
Sheltering Animal Foundations in Emergencies Mr. Garret Leonard <input type="checkbox"/> 7.0 Non-Medical	Cancer Screening for Dogs Dr. Jenna Burton <input type="checkbox"/> 1.0 Medical	Opioid Crisis Dr. Jane Quandt <input type="checkbox"/> 1.0 Medical	How to Get Started with Avian Medicine Dr. Christoph Mans <input type="checkbox"/> 1.0 Medical	Out-of-Season Breeding Management Dr. Brady Myers <input type="checkbox"/> 1.0 Medical		Foreign Animal Disease & Diagnosis Mses. Diane DeWitte & Sarah Schieck Boelke <input type="checkbox"/> 1.0 Medical	Structural Changes that Promote Equity Ms. Kellie Lager <input type="checkbox"/> 1.0 Non-Medical
How Yoga Philosophy Can Help You Be a Better Vet Dr. Teresa Hershey <input type="checkbox"/> 3.0 Non-Medical	Canine Lymphoma Dr. Jenna Burton <input type="checkbox"/> 1.0 Medical	Alternative Analgesics Dr. Jane Quandt <input type="checkbox"/> 1.0 Medical	Avian Nutrition and Related Disorders Dr. Christoph Mans <input type="checkbox"/> 1.0 Medical	Assisted Reproductive Techniques Dr. Brady Myers <input type="checkbox"/> 1.0 Medical		Tools for Your Toolbox Mses. Diane DeWitte & Sarah Schieck Boelke <input type="checkbox"/> 1.0 Medical	Conflict Management and Personalities Ms. Athena Diesch-Cham <input type="checkbox"/> 1.0 Non-Medical
	Managing Mast Cell Tumors Dr. Jenna Burton <input type="checkbox"/> 1.0 Medical	New Analgesic Updates Dr. Jane Quandt <input type="checkbox"/> 1.0 Medical	Sedation and Analgesia in Birds Dr. Christoph Mans <input type="checkbox"/> 1.0 Medical	Feed Cost Control and Alternative Feeds Dr. Dan Morrill <input type="checkbox"/> 1.0 Medical		Model Protocol for Antibiotic Use and AMR Monitoring Dr. Taylor Spronk <input type="checkbox"/> 1.0 Medical	Recognizing and Responding to Crisis Ms. Emily Krekelberg <input type="checkbox"/> 1.0 Non-Medical
GENERAL SESSIONS	Bladder Cancer Dr. Jenna Burton <input type="checkbox"/> 1.0 Medical	Anesthesia for the Trauma Patient Dr. Jane Quandt <input type="checkbox"/> 1.0 Medical	Managing Common Avian Emergencies Dr. Christoph Mans <input type="checkbox"/> 1.0 Medical	Mineral and Vitamin Issues Dr. Dan Morrill <input type="checkbox"/> 1.0 Medical	New Trends in State Veterinary Regulation and MN Updates Dr. Julia Wilson <input type="checkbox"/> 1.0 Non-Medical	COMP MEDICINE	CUTTING EDGE
The Economic State of the Veterinary Profession Dr. Clinton Neill <input type="checkbox"/> 1.0 Non-Medical						Simon Brimhall, VMD, MN Vet Pioneer Dr. Thomas Meier <input type="checkbox"/> 1.0 Non-Medical	Apoquel Use in Cats Dr. Melissa Eisenschendk <input type="checkbox"/> 1.0 Medical
Getting to Know You, Getting to Know All About the MN BAH Panel <input type="checkbox"/> 1.0 Non-Medical	Update on Cancer: Diagnostics and Treatment Dr. Jenna Burton <input type="checkbox"/> 1.0 Medical	Anesthesia for the Difficult Patient Dr. Jane Quandt <input type="checkbox"/> 1.0 Medical	Avian Respiratory and Cardiac Disorders Dr. Christoph Mans <input type="checkbox"/> 1.0 Medical	Feeding Meat Goats Correctly Dr. Dan Morrill <input type="checkbox"/> 1.0 Medical	Emergency Call Group Drs. Fuhrman, Johnson & Piepgras <input type="checkbox"/> 1.0 Non-Medical	Non-traditional Veterinary Career Paths Drs. Sarrafian & Emrich <input type="checkbox"/> 1.0 Non-Medical	Utilizing the Blastomyces Urine Antigen Test Dr. Laura Motschenbacher <input type="checkbox"/> 1.0 Medical
	Targeted and Immuno-therapies in Vet Oncology Dr. Jenna Burton <input type="checkbox"/> 1.0 Medical	Anesthesia for the Patient with Renal Disease Dr. Jane Quandt <input type="checkbox"/> 1.0 Medical	Avian Reproductive Tract Disorders Dr. Christoph Mans <input type="checkbox"/> 1.0 Medical	Implementation of GFI #263 in Ways that Work Dr. Cindy Wolf <input type="checkbox"/> 1.0 Medical	Veterinary Technician Licensure in 2023 Dr. Allen Belay & Ms. Kim Horne <input type="checkbox"/> 1.0 Non-Medical	Laboratory Animal Research Platform Drs. Sherwin, Smachlo, Lawrence <input type="checkbox"/> 1.0 Medical	Veterinary Interventional Radiology Dr. Tracy Hill <input type="checkbox"/> 1.0 Medical

Friday February 3rd							Saturday February 4th						
BREAKFAST	SA I-Behavior	SA II-Surgery	SA III-Alternative Medicine	PRACTICE MANAGEMENT	BOVINE	EQUINE							
Building a LIFELINE Dr. Nikko G □ 1.0 Medical	Psychopharmacology I Dr. Meghan Herron □ 1.0 Medical	Orthopedic Diagnosis Overview Dr. Ian Holsworth □ 1.0 Medical	Intro to Vet Integrative Medicine Dr. Robert Silver □ 1.0 Medical	5 Uncomfortable Truths Mr. Bashore Halow □ 1.0 Non-Medical	Digital Dermatitis in Feedyards-Part I Dr. Terry Engelken □ 1.0 Medical	On-Farm Nutritional Assessments Ms. Abby Keegan □ 1.0 Medical							
	Psychopharmacology II Dr. Meghan Herron □ 1.0 Medical	Neuropathic Lameness & Management Dr. Ian Holsworth □ 1.0 Medical	Medicinal Magic of Functional Mushrooms Dr. Robert Silver □ 1.0 Medical	Communication & Workflow-Part I Mr. Bashore Halow □ 1.0 Non-Medical	Digital Dermatitis in Feedyards-Part II Dr. Terry Engelken □ 1.0 Medical	Feeding the Overweight Horse Dr. Krishona Martinson □ 1.0 Medical							
	My House is Not Your Toilet Dr. Meghan Herron □ 1.0 Medical	The Challenge of Shoulder Dr. Ian Holsworth □ 1.0 Medical	Review of Published Medicinal Mushroom Studies Dr. Robert Silver □ 1.0 Medical	Communication & Workflow-Part II Mr. Bashore Halow □ 1.0 Non-Medical	Mastitis Treatment: Part I Dr. Erin Royster □ 1.0 Medical	Broodmare and Growing Horse Nutrition Ms. Abby Keegan □ 1.0 Medical							
	Starting Off on the Right Claw Dr. Meghan Herron □ 1.0 Medical	The Hip Dr. Ian Holsworth □ 1.0 Medical	Introduction to Nutraceuticals Dr. Robert Silver □ 1.0 Medical	Numbers to Watch in a Wobbly Economy Mr. Bashore Halow □ 1.0 Non-Medical	Mastitis Treatment: Part II Dr. Erin Royster □ 1.0 Medical	Equine Metabolic Disorders Ms. Abby Keegan □ 1.0 Medical							
	Start Off on the Right Paw Dr. Meghan Herron □ 1.0 Medical	Stifle Instability Dr. Ian Holsworth □ 1.0 Medical	Cannabis-Part I Dr. Robert Silver □ 1.0 Medical	Train of Thought-Part I Mr. Bashore Halow □ 1.0 Non-Medical	FDA Reimplanting Dr. Grant Crawford □ 1.0 Medical	Feeding the Microbiome Ms. Keegan & Dr. Martinson □ 1.0 Medical							
	Behavior Changes-Aging Pet Dr. Meghan Herron □ 1.0 Medical	The Fracture Challenge Dr. Ian Holsworth □ 1.0 Medical	Cannabis-Part II Dr. Robert Silver □ 1.0 Medical	Train of Thought-Part II Mr. Bashore Halow □ 1.0 Non-Medical	Practical Implant Applications Dr. Grant Crawford □ 1.0 Medical	Stress, Recovery and Challenges Dr. Abby Keegan □ 1.0 Medical							
BREAKFAST	SA I-Dentistry	SA II-Ophthalmology	SA III-Cardiology	PRACTICE MANAGEMENT	BOVINE	PUBLIC HEALTH							
Recipe for Wellbeing Dr. Heidi Hulon □ 1.0 Non-Medical GENERAL SESSION Anything is Possible Mr. Matt Stutzman □ 1.0 Non-Medical	Normal Dental Radiographic Anatomy Dr. Emily Edstrom □ 1.0 Medical	The Complete Ophthalmic Exam Dr. Elizabeth Giuliano □ 1.0 Medical	Degenerative Mitral Valve Disease Dr. Sandy Tou □ 1.0 Medical	Workers Comp for Vet Practices Mr. Bill Butler □ 1.0 Non-Medical	Practical "Biotic" Usage-Part I Dr. Ehsan Khafipour □ 1.0 Medical	Guidance for General Practitioner Drs. Beaudoin & Granick □ 1.0 Medical							
	Endodontic Disease vs. Periodontal Disease Dr. Emily Edstrom □ 1.0 Medical	Let's Put the "Fun" in Funduscopy Dr. Elizabeth Giuliano □ 1.0 Medical	Dilated Cardiomyopathy Dr. Sandy Tou □ 1.0 Medical	Navigating Difficult Client Conversations Dr. Heidi Hulon □ 1.0 Non-Medical	Practical "Biotic" Usage-Part II Dr. Ehsan Khafipour □ 1.0 Medical	Official Vets at Livestock Concentration Events Dr. Hoefs & Ms. Van Zandt □ 1.0 Non-Medical							
	The Cat's Me-OUCH! Dr. Emily Edstrom □ 1.0 Medical	Chronic Superficial Ulcer Dr. Elizabeth Giuliano □ 1.0 Medical	Heart Murmurs in Cats Dr. Sandy Tou □ 1.0 Medical	Don't Be in the Dog House Mr. Marquet & Ms. Krause □ 1.0 Non-Medical	Practical "Biotic" Usage-Part III Dr. Mario Riboni □ 1.0 Medical	Front Lines of 2022 HPAAI Outbreak Dr. Victoria Hall □ 1.0 Medical							
	Malocclusions and Why They Matter Dr. Emily Edstrom □ 1.0 Medical	If a Picture is Worth 1000 Words Dr. Elizabeth Giuliano □ 1.0 Medical	Diagnosis of Heart Failure Dr. Sandy Tou □ 1.0 Medical	The Benefits of Benefits Mr. Andy Ahlberg & Ms. Stacy Meehen □ 1.0 Non-Medical	Packer's Perspectives Dr. Zeb Gray □ 1.0 Medical	Canine Brucellosis in MN Dr. Veronica Bartsch □ 1.0 Medical							
	Dental Emergencies & Oral Trauma Dr. Emily Edstrom □ 1.0 Medical	Eyelid Surgery Dr. Elizabeth Giuliano □ 1.0 Medical	Treatment of Heart Failure Dr. Sandy Tou □ 1.0 Medical	The Art Behind Persuading Clients Ms. Maxine Curley □ 1.0 Non-Medical	Pathways to Practice Dr. Tim Goldsmith □ 1.0 Non-Medical	Overview of 2022 MPOX Dr. Shama Cash-Goldwasser □ 1.0 Non-Medical							
	Lumps & Bumps Dr. Emily Edstrom □ 1.0 Medical	Enucleation Surgery Dr. Elizabeth Giuliano □ 1.0 Medical	Recognizing & Treating Arrhythmias Dr. Sandy Tou □ 1.0 Medical	How to Handle Finances Meow and in the Future Mr. Rob Borchering □ 1.0 Non-Medical	MN's Beef Industry Dr. Joe Armstrong □ 1.0 Medical	MN BAH & MN Dept of Health Updates Drs. Wheeler & Yendell □ 1.0 Medical							



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the Unexpected Happens

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Anoka

After-hours Emergency

Brooklyn Park

Urgent Care

Eau Claire

After-hours Emergency

Stop by booth 518 to play Shake-A-Day for fabulous prizes!

FIND OUT WHAT MAKES US DIFFERENT



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 - 3:20 pm
BREAK - VISIT EXHIBIT HALL
HYATT EXHIBIT HALL-1ST FLOOR

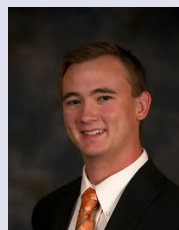
3:20 pm - 4:10 pm
CONCURRENT SESSIONS
1ST AND 2ND FLOORS

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

TIME	Small Animal I Oncology Greenway D-G	Small Animal II Anesthesia Greenway BI/CH	Small Animal III Exotics Regency
9:00 – 9:50 am	Cancer Screening for Dogs: A Veterinary Oncologist's Perspective Dr. Jenna Burton	Sponsored by Academy of Veterinary Medical Practice Opioid Crisis Dr. Jane Quandt	How to Get Started with Avian Medicine Dr. Christoph Mans
10:00 – 10:50 am	Canine Lymphoma: Update on Diagnostics and Treatment Dr. Jenna Burton	Alternative Analgesics Dr. Jane Quandt	Avian Nutrition and Related Disorders Dr. Christoph Mans
BREAK 10:50 – 11:30 am VISIT EXHIBIT HALL			
11:30 – 12:20 pm	Managing Mast Cell Tumors Dr. Jenna Burton	New Analgesic Updates Dr. Jane Quandt	Sedation and Analgesia in Birds Dr. Christoph Mans
Lunch in Exhibit Hall 12:20 – 1:00 pm			
1:00 – 1:50 pm JUST IN TIME LUNCH DISCUSSION			
2:00 – 2:50 pm	Bladder Cancer: Update on Diagnostics and Treatment Dr. Jenna Burton	Anesthesia for the Trauma Patient Dr. Jane Quandt	Managing Common Avian Emergencies Dr. Christoph Mans
BREAK 2:50 – 3:20 pm VISIT EXHIBIT HALL			
3:20 – 4:10 pm	Update on Cancer: Diagnostics and Treatment for Cats Dr. Jenna Burton	Anesthesia for the Difficult Patient Dr. Jane Quandt	Avian Respiratory and Cardiac Disorders Dr. Christoph Mans
4:20-5:10pm	Targeted and Immuno-therapies in Veterinary Oncology: What's Available and on the Horizon Dr. Jenna Burton	Anesthesia for the Patient with Renal Disease Dr. Jane Quandt	Avian Reproductive Tract Disorders Dr. Christoph Mans



GENERAL SESSION The Economic State of the Veterinary Profession

Dr. Clinton Neill
Thursday, February 2 | 8:00 – 8:50 AM
Nicollet 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.

Small Ruminant <i>Lakeshore A</i>	Swine (AM)/ Comp Med (PM) <i>Nicollet D1</i>	Veterinary Practice Plus (PM) <i>Lakeshore C</i>	WEGIVE (AM) <i>Lakeshore C</i>	Cutting Edge (PM) <i>Greenway A/J</i>
Out-of-Season Breeding Management for Small Ruminants Dr. Brady Myers	Foreign Animal Diseases & Diagnosis Mses. Diane DeWitte & Sarah Schieck Boelke <i>Sponsored by University of Minnesota Extension</i>	<i>Sponsored by MVMF</i> No Session	Structural Changes that Promote Equiety Ms. Kellie Lager <i>Sponsored by Mission Animal Hospital</i>	No Session
Assisted Reproductive Techniques for Small Ruminants Dr. Brady Myers	Tools for Your Toolbox When Calling Upon Swine Clients Mses. Diane DeWitte & Sarah Schieck Boelke <i>Sponsored by University of Minnesota Extension</i>	No Session	Conflict Management and Personalities Ms. Athena Diesch-Chham <i>Sponsored by Restorative Path Counseling and Wellbeing</i>	No Session
BREAK 10:50 – 11:30 am VISIT EXHIBIT HALL				
Feed Cost Control and Alternative Feeds Dr. Dan Morrical	Developing a Model Protocol for Tracking Antibiotic Use and AMR Monitoring Dr. Taylor Spronk	No Session	Recognizing and Responding to Crisis: A Communicative Approach Ms. Emily Krekelberg <i>Sponsored by University of Minnesota Extension</i>	No Session
Lunch in Exhibit Hall 12:20 – 1:00 pm				
1:00 – 1:50 pm JUST IN TIME LUNCH DISCUSSION				
Mineral and Vitamin Issues for Sheep and Goats Dr. Dan Morrical	Simon Brimhall, VMD, Minnesota Veterinary Pioneer Dr. Thomas Meier	New Trends in State Veterinary Regulation and MN Updates Dr. Julia Wilson	No Session	Apoquel Use in Cats Dr. Melissa Eisenschenk <i>Sponsored by Pet Dermatology Clinic</i>
BREAK 2:50 – 3:20 pm VISIT EXHIBIT HALL				
Feeding Meat Goats Correctly Dr. Dan Morrical	Non-traditional Veterinary Career Paths in Animal Research Drs. Tiffany Sarrafian & Tobin Emrich	Establishing and Implementing an Emergency Call Group Drs. Tyler Fuhrman, Rachael Johnson & Deborah Piegras	No Session	Utilizing the Blastomyces Urine Antigen Test Dr. Laura Motschenbacher
Implementation of GFI #263 in Ways that Work for Practitioners and Sheep and Goat Producers Dr. Cindy Wolf	Resident Research Platform Drs. Robin Sherwin, Julia Smachlo, Josephine Lawrence & Julie Jacobs	Veterinary Technician Licensure in 2023 Dr. Allen Balay & Ms. Kim Horne	No Session	Veterinary Interventional Radiology: Novel Treatment Strategies for Frustrating Diseases Dr. Tracy Hill

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 Schaeftbauer & Joni Schefftel

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!



**FEB. 3
2023**

FRIDAY

7:00 am – 8:45 am
GOVERNMENTAL AFFAIRS COMMITTEE MEETING

NICOLLET D1-1ST FLOOR

PICK-UP COFFEE IN EXHIBIT HALL

7:30 am – 8:20 am
CHRISTIAN VETERINARY MISSION PRAYER BREAKFAST

NICOLLET D2/3-1ST FLOOR

7:30 am – 8:20 am
COFFEE CHAT

NICOLLET A-C-1ST FLOOR

8:45 am – 9:35 am
CONCURRENT SESSIONS

1ST AND 2ND FLOORS

9:35 am – 10:10 am
BREAK - EXHIBIT HALL OPENS

HYATT EXHIBIT HALL-1ST FLOOR

10:10 am – 11:00 am
CONCURRENT SESSIONS

1ST AND 2ND FLOORS

11:10 am – 12:00 pm
CONCURRENT SESSIONS

1ST AND 2ND FLOORS

12:00 pm – 2:00 pm
MVMA BUSINESS LUNCHEON

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 - 4:20 pm
CONCURRENT SESSIONS

1ST AND 2ND FLOORS

4:30 pm – 5:20 pm
CONCURRENT SESSIONS

1ST AND 2ND FLOORS

5:20 pm – 7:00 pm
EXHIBITORS RECEPTION & MIDWAY GAMES

HYATT EXHIBIT HALL-1ST FLOOR

(MVMF SILENT AUCTION ENDS AT 6:00 PM)

TIME	Small Animal I Behavior Greenway D-G	Small Animal II Surgery Greenway B/CH	Small Animal III Alternative Medicine Regency
8:45 – 9:35 am	Psychopharmacology I-Daily Drugs: Indications, Doses and Effects Dr. Meghan Herron	Sponsored by Arthrex Orthopedic Diagnosis Overview: Gait, Clinical Exam & Imaging Choices Dr. Ian Holsworth	Introduction to Veterinary Integrative Medicine Dr. Robert Silver
BREAK 9:35 – 10:10 am VISIT EXHIBIT HALL			
10:10 – 11:00 am	Psychopharmacology II-Event Meds: Indications, Doses, and Effects Dr. Meghan Herron	Neuropathic Lameness & Management Dr. Ian Holsworth	The Medicinal Magic of Functional Mushrooms for Veterinarians Dr. Robert Silver Sponsored by Real Mushrooms
BREAK 11:00 – 11:10 am			
11:10 – 12:00 pm	My House is Not Your Toilet: Feline Elimination Disorders Dr. Meghan Herron	The Challenge of Shoulder Lameness and Treatment Dr. Ian Holsworth	Review of Published Medicinal Mushroom Studies in Veterinary Species Dr. Robert Silver Sponsored by Real Mushrooms
12:00 – 1:50 pm MVMA ANNUAL BUSINESS MEETING/AWARDS			
BREAK 1:50 – 2:00 pm			
2:00 – 2:50 pm	Starting Off on the Right Claw: The Basics of Kitten Behavior and Problem Prevention Dr. Meghan Herron	The Hip: A Ball & Socket and its Challenges from Birth to Death Dr. Ian Holsworth	Introduction to Nutraceuticals Dr. Robert Silver
BREAK 2:50 – 3:30 pm VISIT EXHIBIT HALL			
3:30 – 4:20 pm	Start Off on the Right Paw: The Basics of Puppy Behavior and Problem Prevention Dr. Meghan Herron	Stifle Instability: The Current Understanding Dr. Ian Holsworth	Cannabis in Veterinary Practice-Part I: Cannabis Constituents and their Biological Targets Dr. Robert Silver
BREAK 4:20 – 4:30 pm			
4:30 – 5:20 pm	Behavior Changes in the Aging Pet Dr. Meghan Herron	The Fracture Challenge: What to do and When Dr. Ian Holsworth	Cannabis in Veterinary Practice Part II: Practicum on Veterinary Legality; Product Selection; Safety Studies: Dosing Considerations Dr. Robert Silver



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.

Practice Management <i>Greenway A/J</i>	Bovine <i>Lakeshore C</i>	Equine <i>Lakeshore A</i>
Sponsored by <i>Boehringer-Ingelheim</i>		Sponsored by <i>Platinum Performance</i>
5 Uncomfortable Truths About Your Practice Worth Knowing Mr. Bashore Halow	Managing Digital Dermatitis in Feedyards-Part I Dr. Terry Engelken	On-Farm Nutritional Assessments and Common Nutrient Gaps Ms. Abby Keegan
BREAK 9:35 – 10:10 am VISIT EXHIBIT HALL		
Communication and Workflow in the Age of Stress-Part I Mr. Bashore Halow	Managing Digital Dermatitis in Feedyards-Part II Dr. Terry Engelken	Feeding the Overweight Horse Dr. Krishona Martinson
BREAK 11:00 – 11:10 am VISIT EXHIBIT HALL		
Communication and Workflow in the Age of Stress-Part II Mr. Bashore Halow	Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part I Dr. Erin Royster	Broodmare and Growing Horse Nutrition Ms. Abby Keegan
12:00 – 1:50 pm MVMA ANNUAL BUSINESS MEETING/AWARDS		
BREAK 1:50 – 2:00 pm VISIT EXHIBIT HALL		
Numbers to Watch in a Wobbly Economy Mr. Bashore Halow	Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part II Dr. Erin Royster	Equine Metabolic Disorders, Differentiation and Nutrition Goals Ms. Abby Keegan
BREAK 2:50 – 3:30 pm VISIT EXHIBIT HALL		
Train of Thought-Part I 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
BREAK 4:20 – 4:30 pm VISIT EXHIBIT HALL		
Train of Thought-Part II Mr. Bashore Halow	Practical Implant Applications for Today's Market Dr. Grant Crawford	Stress, Recovery and Challenges in Feeding the Performance Horse Ms. Abby Keegan

JOIN US FOR MIDWAY GAMES!

Join us in the Exhibit Hall on Friday night from 5:30 pm-7:00 pm for Friday night's reception and Midway Games! Take part in mixing and mingling with long time colleagues and new friends over heavy appetizers and refreshments. Take your turn at one of the Midway Games to earn a prize!



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



Christian
Veterinary Mission

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*.

**FEB. 4
2023**

SATURDAY

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	Small Animal I Dentistry Greenway D-G	Small Animal II Ophthalmology Greenway BI/CH	Small Animal III Cardiology Regency
8:00 – 8:50 am	Normal Dental Radiographic Anatomy in the Dog and Cat Dr. Emily Edstrom	The Complete Ophthalmic Exam: Back to Basics Dr. Elizabeth Giuliano	Keeping Up to Date with Degenerative Mitral Valve Disease Dr. Sandy Tou
BREAK 8:50 – 9:30 am VISIT EXHIBIT HALL			
9:30 – 10:20 am	Endodontic Disease vs. Periodontal Disease Dr. Emily Edstrom	Let's Put the "Fun" in Funduscopy Again Dr. Elizabeth Giuliano	Keeping Up to Date with Dilated Cardiomyopathy Dr. Sandy Tou
BREAK 10:20 – 11:00 am VISIT EXHIBIT HALL (CLOSES AT 11 am)			
11:00 – 11:50 pm	The Cat's Me-OUCH!: Common Oral Pathology in Cats Dr. Emily Edstrom	Having Trouble Getting that Chronic Superficial Ulcer to Heal? Help with those Pesky Indolent Erosions Dr. Elizabeth Giuliano	Heart Murmurs in Cats: To Be or Not to Be HCM? Dr. Sandy Tou
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			
1:45 – 2:35 pm	Malocclusions and Why They Matter Dr. Emily Edstrom	If a Picture is Worth a 1000 Words, Let's Learn How to Capture All of the Words Dr. Elizabeth Giuliano	Diagnosis of Heart Failure: Radiographs and Beyond Dr. Sandy Tou
BREAK 2:35 – 2:45 pm			
2:45 – 3:35 pm	Dental Emergencies and Oral Trauma Dr. Emily Edstrom	Eyelid Surgery: Pearls to Optimize Functional and Cosmetic Outcomes Dr. Elizabeth Giuliano	Treatment of Heart Failure: Lasix and Beyond Dr. Sandy Tou
BREAK 3:35 – 3:45 pm			
3:45 – 4:35 pm	Lumps and Bumps: Common Oral Tumors Dr. Emily Edstrom	Enucleation Surgery: Why Does this Seem More Difficult than the Textbooks Say? Dr. Elizabeth Giuliano	Recognizing and Treating Life-Threatening Arrhythmias Dr. Sandy Tou



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	Bovine Lakeshore C	Public Health Greenway A/J
Sponsored by MVMA Industry Partners		
Workers Compensation for Veterinary Practices Mr. Bill Butler <i>Sponsored by Butler Vet Insurance</i>	Practical "Biotic" Usage in Calves, Dairy and Beef-Part I Dr. Ehsan Khafipour <i>Sponsored by Diamond V</i>	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 <i>Sponsored by Elanco</i>	Practical "Biotic" Usage in Calves, Dairy and Beef-Part II Dr. Ehsan Khafipour <i>Sponsored by Diamond V</i>	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 <i>Sponsored by Trust Point Inc.</i>	Practical "Biotic" Usage in Calves, Dairy and Beef-Part III Dr. Mario Riboni <i>Sponsored by Diamond V</i>	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 MVMA REPORT, ANIMAL AWARDS & MVMA PRIZE DRAWINGS		
12:30 – 1:45 pm KEYNOTE-MATT "THE ARMLESS ARCHER" STUTZMAN		
The Benefits of Benefits Mr. Andy Ahlberg & Ms. Stacy Meehen <i>Sponsored by Dyste Williams</i>	Packer's Perspective of Beef Crosses Dr. Zeb Gray <i>Sponsored by Diamond V</i>	Canine Brucellosis in Minnesota Dr. Veronica Bartsch
BREAK 2:35 – 2:45 pm		
The Art Behind Persuading Clients Ms. Maxine Curley <i>Sponsored by Royal Canin</i>	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 Borcherdorf <i>Sponsored by Panacea Financial</i>	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

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.



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.

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

Save the Dates!

MVMF Golf Classic: July 13, 2023

MVMF Shoot for the Future Clay Shoot: September 14, 2023



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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**



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THURSDAY, FEBRUARY 2

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

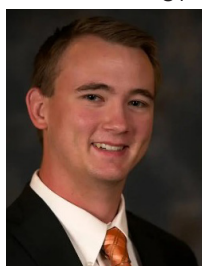
The Economic State of the Veterinary Profession

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 Neil, 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 for the Cornell Center of Veterinary Business and Entrepreneurship. Dr. Neill's 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 Scheffel, Stephan Schaeffbauer, 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.

James Bennett, DVM

bennettvac@gmail.com | dairymed.com



Dr. Jim Bennett graduated from the U of MN College of Veterinary Medicine in 1981 after previously completing his undergraduate work at Saint John's University. Since that time Dr. Bennett has been a practice owner of two clinics in southeastern MN, and has been actively practicing bovine medicine throughout his professional life. He

recently sold his bovine practice in Plainview, although he is still practicing full time, and has retained his ownership stake in a small animal practice in Rochester.

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 Scheffel, DVM, MPH, DACVPM

joni.scheffel@state.mn.us | health.state.mn.us



Dr. Scheffel's group is responsible for zoonotic disease surveillance and outbreak investigation, and zoonotic disease prevention activities. Dr. Scheffel 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 Schaeffbauer, DVM, MPH

stephan.l.schaeffbauer@usda.gov | aphis.usda.gov



Dr. Stephan Schaeffbauer 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.

Veronica Bartsch, DVM

Veronica.Bartsch@state.mn.us | bah.state.mn.us



Dr. Bartsch graduated from the University of Minnesota, College of Veterinary Medicine in 2004. She went on to practice companion animal medicine in the Twin Cities for the next 18 years, working in both private practices and

animal shelters. In 2020, Dr. Bartsch earned her Master of Public Health degree from the University of Minnesota. She joined the Board of Animal Health in 2022 as a senior veterinarian. Her program responsibilities include: companion animals, commercial dog and cat breeders, kennels, and rabies.

SMALL ANIMAL I ONCOLOGY

Room: Greenway D-G-2nd floor
Presenter: Dr. Jenna Burton

9:00 am – 9:50 am Cancer Screening for Dogs: A Veterinary Oncologist's Perspective

Early detection of cancer is correlated with better outcome for both people and animals. There are several new blood tests for cancer screening in dogs that are available to veterinarians, and this talk will discuss the utility of these cancer screening tests. We will also review results of cancer screening using exam findings, routine bloodwork, and imaging of a large number of healthy, older dogs at risk for cancer development. This session will provide practitioners information to help guide their clients through the discussion of pros and cons of cancer screening in healthy pets.

10:00 am – 10:50 am Canine Lymphoma: Update on Diagnostics and Treatment

Lymphoma is one of the most common cancers diagnosed in dogs and this session will provide a review of ancillary diagnostics such as flow cytometry and PARR, and discuss how these tests may provide additional prognostic information. Common treatment options for lymphoma will be reviewed and will include the efficacy and side effects of newer therapies for canine lymphoma, such as Tanovea® and Laverdia™-CA1.

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

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 Stelfonta®.

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 are currently being investigated and may be available soon.

Jenna Burton, DVM, MS, DACVIM (Oncology)

jenna.burton@colostate.edu |

<https://vetmedbiosci.colostate.edu/>



Dr. Jenna Burton attended veterinary school at The Ohio State University then joined the team at the Flint Animal Cancer Center at Colorado State University (CSU) as an intern, medical oncology resident, and finally as a faculty member leading the Oncology Clinical Trials Program. She then joined the faculty of the University of California, Davis where she served as the director of the Veterinary Center for Clinical Trials. She returned to CSU in 2020 and currently serves as the Oncology Service Chief at the Flint Animal Cancer Center.

SMALL ANIMAL II ANESTHESIA

Room: Greenway BI/CH-2nd floor

Presenter: Dr. Jane Quandt

Sponsored by:

The Academy of Medical Practice

9:00 am – 9:50 am Opioid Crisis

We will discuss the handling of schedule II opioids, how to order them, store them and dispose of them. We will also identify warning signs of abuse in clients and employees. Finally, we will explain how to treat overdose in pets.

10:00 am – 10:50 am Alternative Analgesics

Describe what other analgesic agents are available and how they may be used.

11:30 am – 12:20 pm New Analgesic Updates

There are new agents to provide analgesia and anesthesia that have recently become available. We will discuss how to include them in your practice.

2:00 pm – 2:50 pm Anesthesia for the Trauma 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.

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.

4:20 pm – 5:10 pm
Anesthesia for the Patient with Renal Disease

Describe the pre-operative stabilization of this patient and identify what anesthetic agents can be utilized.

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.

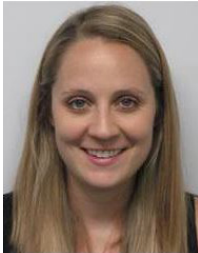
3:20 – 4:10 pm
Utilizing the Blastomyces Urine Antigen Test

Presenter: Dr. Laura Motschenbacher

Discuss how to use the blastomyces urine antigen to diagnosis, manage, and provide prognostic information for your canine blastomycosis patients. disorders. In this presentation, we will review the various methods used to diagnose Malassezia dermatitis and the currently available treatment modalities.

Laura Motschenbacher, DVM, DACVIM

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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
Veterinary Interventional Radiology: Novel Treatment Strategies for Frustrating Cases

Presenter: Dr. Tracy Hill

Highlight a number of different applications of minimally invasive procedures including: nasopharyngeal stent placement for nasopharyngeal stenosis, ureteral stent placement for obstructed ureters, and tracheal stents for tracheal collapse. This interactive session will use real world case examples.

Tracy Hill, DVM, PhD, DACVIM-SAIM

tthill@umn.edu | vetmed.umn.edu



Dr. Hill is currently an Associate Professor in Small Animal Medicine and Interventional Radiology at the University of Minnesota. She has been practicing minimally invasive procedures since being

fellowship trained at the Animal Medical Center starting in 2010. Dr. Hill has started Interventional Radiology services at several academic centers.

SMALL RUMINANT

Room: Lakeshore A-1st Floor

9:00 am-9:50 am
Out-of-Season Breeding Management for Small Ruminants

Presenter: Dr. Brady Myers

Management considerations for sheep and goat producers when implementing an out of season breeding protocol, whether it be natural or artificial breeding.

10:00 am-10:50 am
Assisted Reproductive Techniques for Small Ruminants

Presenter: Dr. Brady Myers

Update on currently utilized assisted reproductive techniques (ARTs) for sheep and goats. Topics include Laparoscopic artificial insemination, Mass ovulation embryo transfer, Laparoscopic ovum pick-up, In-vitro maturation and fertilization.

Brady Myers, DVM

bsmyers5@gmail.com | tricountyvetclinic.com



Dr. Brady Myers earned his DVM from the University of Minnesota in 2017. He has lived and worked in Southwest MN for the past 5 years, predominantly practicing large animal medicine with a heavy emphasis on advanced

reproductive techniques in Cattle, sheep, goats, and farmed cervids.

11:30 am-12:20 pm
Feed Cost Control and Alternative Feeds

Presenter: Dr. Dan Morrical

Discuss controlling costs by balanced rations, feed waste, lowering death loss and increasing productivity.

2:00 pm-2:50 pm
Mineral and Vitamin Issues for Sheep and Goats

Presenter: Dr. Dan Morrical

Describe vitamin and mineral requirements as developed in the 2007 NRC for Small Ruminants.

3:20 pm-4:10 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

wolfx006@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 and 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.

SWINE

Room: Nicollet D1-1st floor

9:00 am – 9:50 am

Sponsored by:



Foreign Animal Diseases & Diagnosis

Presenters: Ms. 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

Sponsored by:



Tools for Your Toolbox When Calling Upon Swine Clients

Presenters: Ms. 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.

Diane DeWitte, MS

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Diane DeWitte serves as a UMN Extension Educator focused on swine. She works with pig farmers and related industry to resolve issues surrounding pig farm management, reproduction, and health. Recent projects include Foreign Animal Disease preparedness, biosecurity plan development, quality assurance certification education and organic pig production research. DeWitte grew up on an Indiana livestock & grain farm and was educated at Purdue University. She has several years' experience managing a pig farm in central Indiana and previously served with Purdue Extension.

Sarah Schieck Boelke, MS

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Sarah is a Swine Extension Educator, out of the U of MN Regional Extension Office in Willmar. Her current programming focuses on Pork Quality Assurance and Transport Quality Assurance certification, Common Swine Industry Audit, Secure Pork Supply, biosecurity practices and other pork management topics. Sarah grew up on a farrow-to-finish pig farm in Minnesota where she took an active part in that lead to her passion for pigs and agriculture. Prior to her current position, Sarah was an instructor in Ridgewater College's Agriculture Department in Willmar, MN.

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.

Taylor Spronk, DVM

taylor.spronk@pipestone.com | pipevet.com



Diane DeWitte serves Dr. Taylor Spronk is a 2020 graduate from the University of Minnesota, where she received her DVM through the VetFAST program. She is originally from Pipestone, MN where she returned to practice swine exclusive veterinary medicine. Through Pipestone, Taylor is a staff veterinarian and data analyst within PART (Pipestone Antibiotic Resistance Tracker).

COMPARATIVE MEDICINE

Room: Nicollet D1-1st floor

2:00 pm-2:50 pm

Simon Brimhall, VMD 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.

Thomas Meier, DVM, DACLAM

meier.thomas@mayo.edu | mayoclinic.org



Dr. Thomas Meier is a veterinarian in the Mayo Clinic Department of Comparative Medicine in Rochester, MN. He is a 2002 graduate of University of Minnesota College of Veterinary Medicine. He is a diplomate of the American College of Laboratory Animal Medicine and an Assistant Professor of Comparative Medicine in the Mayo Clinic College of Medicine. He joined Mayo Clinic in 2007 and served 9 years as Mayo Clinic's Attending Veterinarian prior rotating to his current role in the organization.

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

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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 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 Pyometra in a Cynomolgus Macaque (*Macaca fascicularis*); Bathe Your Pigs! 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 Dr. Smachlo is currently a second-year laboratory animal medicine resident at the University of Minnesota. She received my veterinary degree and a masters in public health through the

University of Minnesota College of Veterinary Medicine dual degree program.

Josephine Lawrence, DVM

lawrence.josephine@mayo.edu | mayoclinic.org



Josephine Lawrence is a second-year veterinary resident 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

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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.

3:20 pm-4:10 pm 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

tylerfuhrman@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 where she obtained her DVM in 2009. After two years of working as an associate veterinarian, Dr. Johnson and her husband, Dr. Kyle Anderson, purchased Crosslake Veterinary Hospital in 2011. They have devoted their time to growing Crosslake Veterinary Hospital into a full-service facility to meet nearly every patient's need.

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.

4:20 pm-5:10 pm Veterinary Technician Licensure in 2023

Presenter: Dr. Allen Balay and Ms. Kim Horne

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 Associations Veterinary Technician committee.

Kim Horne, AAS, CVT, VTS (Dermatology)

horne003@umn.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, Kim 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.

WE GIVE (WELLNESS AND GENDER IN VETERINARY ENVIRONMENTS)

Room: Lakeshore C-1st floor

9:00 am-9:50 am

Sponsored by:



Structural Changes that Promote Equity

Presenter: Ms. Kellie Lager

Equity has become a common theme for organizations looking to increase access to care. How can we provide equitable, accessible care for our clients? Often that question leaves out an important element: How do we make sure our own employees don't become the same clients that need greater access to care and other resources? This session will take a hard look at internal organizational structures and how you can modify and improve them to increase equity within your organization. These structures include pay, professional development, benefit offerings, and cultural tweaks that will promote a workplace where both clients and staff are supported.

Kellie Lager, BS, BA

kelliel@missionah.org | missionah.org



Born and raised in the Minneapolis community, Kellie holds a Certified Professional certification from the Society for Human Resource Management, as well as a B.S. in Fisheries and Wildlife from the University of Minnesota and a B.A. in Drama from Washington University in Saint Louis.

10:00 am-10:50 am

Sponsored by:



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 hurting or helping our teams, as well as talking about resolution and repair.

Athena Diesch-Chham, MSW, CSW, VSW

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Ms. Diesch-Chham earned her bachelors 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.

11:30 am-12:20 pm

Sponsored by:



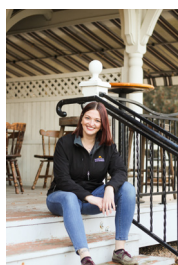
Recognizing and Responding to Crisis: A Communicative Approach

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.

FRIDAY, FEBRUARY 3

7:30 am-8:20 am

Coffee Chat

Sponsored by:



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

Presenter: Dr. Nikko Grossapoulos

Room: 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.

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 Prayer Breakfast

Room: Nicollet 2/3-1st floor

Presenters: Drs. Jenny Aldridge and Cherie Igieski

Updates of CVM's work around 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. Suan Jones

Room: Nicollet 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

nlpdvm@gmail.com |
nurvc.com



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.

SMALL ANIMAL I-BEHAVIOR

Room: Greenway D-G-2nd floor

Presenter: Dr. Meghan Herron

8:45 am-9:35 am

Psychopharmacology I-Daily Drugs: Indications, Doses, and Effects

This lecture will give an overview of the main classes of drugs used for daily treatment of emotional disorders in dogs and cats – how they work, what the therapeutic expectations are for each, and what side effects may be expected. Drug interactions, adverse effects, and weaning protocols will also be discussed.

10:10 am-11:00 am

Psychopharmacology II – Event Meds: Indications, Doses, and Effects

This lecture will give an overview of the main classes of drugs used for as needed treatment of predictable panic/fear triggers in dogs and cats – how they work, what the therapeutic expectations are for each, and what side effects may be expected. Drug interactions, adverse effects, and combination protocols will also be discussed.

11:10 am-12:00 pm

My House is Not Your Toilet - Feline Elimination Disorders

This session aims to boost general practitioners' knowledge regarding the current literature on feline elimination problems. This includes how to make an accurate diagnosis, as well as to implement safe and effective treatment strategies.

2:00 pm-2:50 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 feline behavior will be presented. A special emphasis on undesirable, but normal, behavior will be presented as well as means of providing outlets to prevent these behaviors from becoming a major nuisance.

3:30 pm-4:20 pm

Starting Off on the Right Paw – The Basics of Puppy Behavior and Problem Prevention

This session walks through the behavioral developmental periods in dogs 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 diplomate 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 BI/CH-2nd floor

Presenter: Ian Holsworth

Sponsored in part by:



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 radial 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 shelbow 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 physal 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 (CrCL) 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.

Ian Holsworth, BSc, BVSc, MANZCVSc, DACVS

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Dr. Holsworth graduated in 1991 from the University of Melbourne Veterinary School, and became Member of the Surgery College of the Australian and New Zealand College of Veterinary Scientists in 1995. Relocated to the US in 1999 for International Surgical Fellowship at Michigan State Veterinary Teaching Hospital. Completed Surgical Residency at Michigan State Veterinary Teaching Hospital in 2003. Examined Diplomate of American College

of Veterinary Surgeons (ACVS) in 2004. Spent past twenty years in specialty clinical practice, clinical research, as surgical instructor and in surgical instrument and implant design. Founding Fellow of ACVS Minimally Invasive Small Animal Orthopedic Surgery. Founder and Surgical Director of VetSurg in Ventura, California, and surgical curriculum contributor for large North American continuing education program.

SMALL ANIMAL III-ALTERNATIVE MEDICINE

Room: Regency-2nd floor

Presenter: Robert Silver

Sponsored in part by:



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 bio-active 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, cats and horses.

Robert Silver, DVM, MS

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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.

EQUINE

Room: Lakeshore A-1st floor
Presenters: Ms. Abby Keegan & Dr. Krishona Martinson
Sponsored in part by:



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 that 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

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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 immersed 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.

Krishona Martinson, PhD

krishona@umn.edu | extension.umn.edu



Dr. Krishona Martinson holds a BS, MS, and PhD in Agronomy from UW-River Falls (BS) and the University of Minnesota (MS and PhD). Since 2008, Dr. Martinson has been the Equine Extension Specialist in the

Department of Animal Science at the University of Minnesota where she was promoted to Professor in 2018. Dr. Martinson leads the University of Minnesota Extension Horse Program, which reached over 5.5 million horse owners and professionals in 2021. This was a result of her successful efforts to incorporate technology and social media into research and Extension programming, including the development of two mobile apps, a Facebook page, a YouTube channel, infographics, and a monthly e-newsletter.

BOVINE

Room: Lakeshore C-1st floor

8:45 am-9:35 am

Managing Digital Dermatitis in Feedyards-Part I

Presenter: Dr. Terry Engelken

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.

Terry Engelken, DVM, MS

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Dr. Terry Engelken graduated with his DVM in 1987 from Kansas State University. He joined a mixed animal practice in Onaga, KS before returning to KSU for a residency and master's program

in Beef Cattle Production Medicine. He then joined the faculty at Mississippi State in 1991 and worked out of the Field Service Unit teaching clinical production medicine, performing applied beef cattle research, and didactic teaching. In 2007, he moved to the Iowa State University College of Veterinary Medicine where his appointment still includes field service clinical rotations, research and classroom teaching.

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.

2:00 pm-2:50 pm

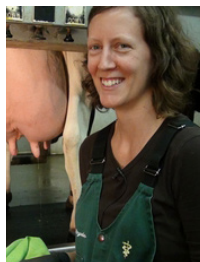
Mastitis Treatment: A Rational Approach in the Face of Uncertainty-Part II

Presenter: Dr. Erin Royster

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 guideposts 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.

Erin Royster, DVM, MS

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Dr. Royster received her DVM from the North Carolina State University College of Veterinary Medicine in 2011. She completed a Master of Science in Veterinary Medicine at the University of Minnesota College of Veterinary Medicine in 2014, with an emphasis in milk quality and udder health. Dr. Royster is currently an Assistant Professor in Dairy Production Medicine at the University of Minnesota College of Veterinary Medicine.

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.

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.

4:30 pm-5:20 pm

Practical Implant Applications for Today's Market

Presenter: Dr. Grant Crawford

There are currently 27 growth-promoting implants on the market. They are all effective, safe products that provide a clear return on investment. They are not all the same, however. By knowing the different categories of implants, and where they best fit, veterinary practitioners can provide sound direction to optimize the use of these products.

Grant Crawford, PhD, MS

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Grant Crawford is an Associate Director for Cattle Technical Services with Merck Animal Health, providing technical support for cattle producers, veterinarians, and nutritionists in the Upper Midwest. Prior to joining Merck Animal Health in 2015, Grant worked as a feed company technical nutritionist for 3 1/2 years and spent five years in beef cattle extension and research at the University of Minnesota. Grant is a graduate of South Dakota State University (BS in Ag Education), University of Minnesota (MS in Animal Science), and University of Nebraska (PhD in Animal Science).

PRACTICE MANAGEMENT

Room: Greenway A/J-2nd floor
Presenter: Mr. Bashore Halow
Sponsored by:



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

Bashore Halow, CVPM, LVT

bash@Halowconsulting.com | bashhalow.com



Bash is a graduate of the College of William and Mary, a certified veterinary practice manager and a licensed veterinary technician. As a veterinary business advisor and a veteran practice manager with more than 20 years of experience, Mr. Halow has helped dozens of veterinary hospitals understand how to build stronger teams and responsibly and ethically grow their businesses. He is a frequent contributor to DVM360 and publications like AAHA Trends and Veterinary Practice News. He is a member of the editorial advisory board for the Fetch DVM360 veterinary conferences.

SATURDAY, FEBRUARY 4

7:00 am-7:50 am

Coffee Chat

Sponsored by:



Recipe for Wellbeing

Presenter: Dr. Heidi Hulon
Room: 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 our practice.

Heidi Hulon, DVM, CCFP, MHFA

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Dr. Heidi Hulon graduated from Auburn University with both her undergraduate degree (Bachelor's of Science, Zoology) and with her D.V.M. She has practiced in a variety of areas during her career, including small animal practice (associate and owner), relief vet, shelter medicine, Department Chair for a Veterinary Technology Program, and as a Technical Veterinarian for Hill's Pet Nutrition. Since 2011, Dr. Hulon has been a Regional Consulting Veterinarian for Elanco Animal Health. Her current role is as the Wellbeing Consulting Veterinarian where her personal and professional passion and experience

are shared in the delivery of education on wellbeing topics to our veterinary customers across the country. Subjects in which Dr. Hulon has certifications include Insights Discovery, Compassion Fatigue, Positive Psychology, QPR Suicide Training, Fear Free, the Human Animal Bond and Mental Health First Aid and FRANK Communication Training.

12:30 pm - 1:45 pm

Animal Awards & Keynote Luncheon

Anything is Possible

Presenter: Mr. Matt Stutzman

Room: Nicollet A-C-1st floor

Learn more on page 15.

SMALL ANIMAL DENTISTRY

Room: Greeway 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.

Emily Edstrom, DVM, DAVDC

emilyjedstrom@gmail.com | bluepearlveter.com



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.

SMALL ANIMAL II-OPHTHALMOLOGY

Room: Greenway BL/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.

9:30 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.

11:00 am-11:50 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.

1:45 pm-2:35 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 Seem 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.

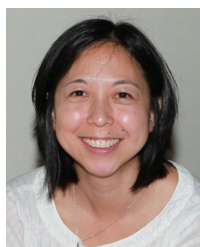
3:45 pm-4:35 pm

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)

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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:



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

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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

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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 Vs 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 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

armst225@um.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

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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**

Presenter: 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

victoriahalldvm@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 Bartsch

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 Bartsch, 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

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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:



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; 4. Fast and easy to implement strategies that will help you when claims happen.

Bill Butler, CIC, CISR, CWCA

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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

Minnesota and 101st Airborne Division, Ft. Campbell, Kentucky, before entering the insurance industry. He is active in his local business community, veterinary associations, and Rotary Club, and is passionate about giving back to others.

9:30 am-10:20 am

Navigating Difficult Client Conversations

Presenter: Dr. Hedi Hulon

Sponsored by:



Is the difficulty with this client or with this situation? How to identify and manage 4 types of perceived difficult clients for better outcomes. Sharing communication tips for all members of the Team.

Heidi Hulon, DVM, CCFP, MHFA
(See page 32 for full bio)

11:00 am-11:50 am

Don't Be in The Doghouse! Understand How Fiduciary Duties Impact Your Retirement Plan

Presenters: Ms. Allyson Krause and Mr. Jon Marquet

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Federal law requires that those responsible for managing employer-based retirement plans act as fiduciaries. Generally speaking, fiduciaries must carry out their responsibilities prudently and solely in the interest of the plans participants and beneficiaries. Often business owners believe that their plan advisor, plan record keeper, or other plan-related vendors are the plan fiduciaries. But this may not be the case. And, even if it is, not all fiduciary duties can be delegated to plan-related vendors and not all fiduciaries are created equal. This educational presentation will address what fiduciary duties may, and may not, be delegated by business owners. It will also take a deep dive into the various levels of fiduciary duty that may be delegated to plan-related vendors and the potential impact and liability for business owners associated with the various fiduciary structures that may be adopted in connection with their employer-based retirement plans.

Allyson Krause, CRPP

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As the Managing Director for Retirement Plan Services, Allyson is responsible for overseeing the account management team. Under her direction, the team is an advocate and partner for our business clients and their

401(k) plans, which includes ongoing education, technology, and efficient investment options to help attract and retain employees. Allyson and her team take great pride in providing businesses retirement plan solutions that enhance their employees' financial well-being and prepare them for their financial future. Allyson is a Certified Retirement Plan Professional™ (CRPP™). The process included a demanding educational track and comprehensive exam. This designation further strengthens her retirement plan knowledge and industry understanding. Her dedication to this process further exemplifies Allyson's commitment to Trust Point's clients.

Jon Marquet, JD

jmarquet@trustpointinc.com | trustpointinc.com



As a Retirement Plan Consultant, Jon counsels clients and prospective clients concerning the intricacies and benefits of employer-based retirement plans. He advocates within the community for our retirement plan services

group and the important services and products they can offer, while also developing essential, sustainable relationships with business owners and other community members. Jon holds a Bachelor of Science in mechanical engineering from Northwestern University and a Juris Doctor from Boston College Law School. Before joining Trust Point, Jon practiced law for more than twenty years in Minnesota, Iowa, New York, and New Jersey. He maintains his licenses to practice law in all four states, as well as his admissions to various federal bars.

1:45 pm-2:35 pm

The Benefits of Benefits

Presenters: Mr. Andy Ahlberg and Ms. Stacy Meehen

Sponsored by:



Remaining competitive in the hunt for the right job candidates is a struggle. A strategic, quality benefits package can help you attract and retain employees.
(Continued on next page)

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

aahlberg@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 Borcharding

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Veterinarians have access to specific types of lending products and services different from many other industries. The goal of this session is to educate & simplify 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 Borcharding, BS, BA

rob.borcharding@panaceafinancial.com | panaceafinancial.com



Rob Borcharding 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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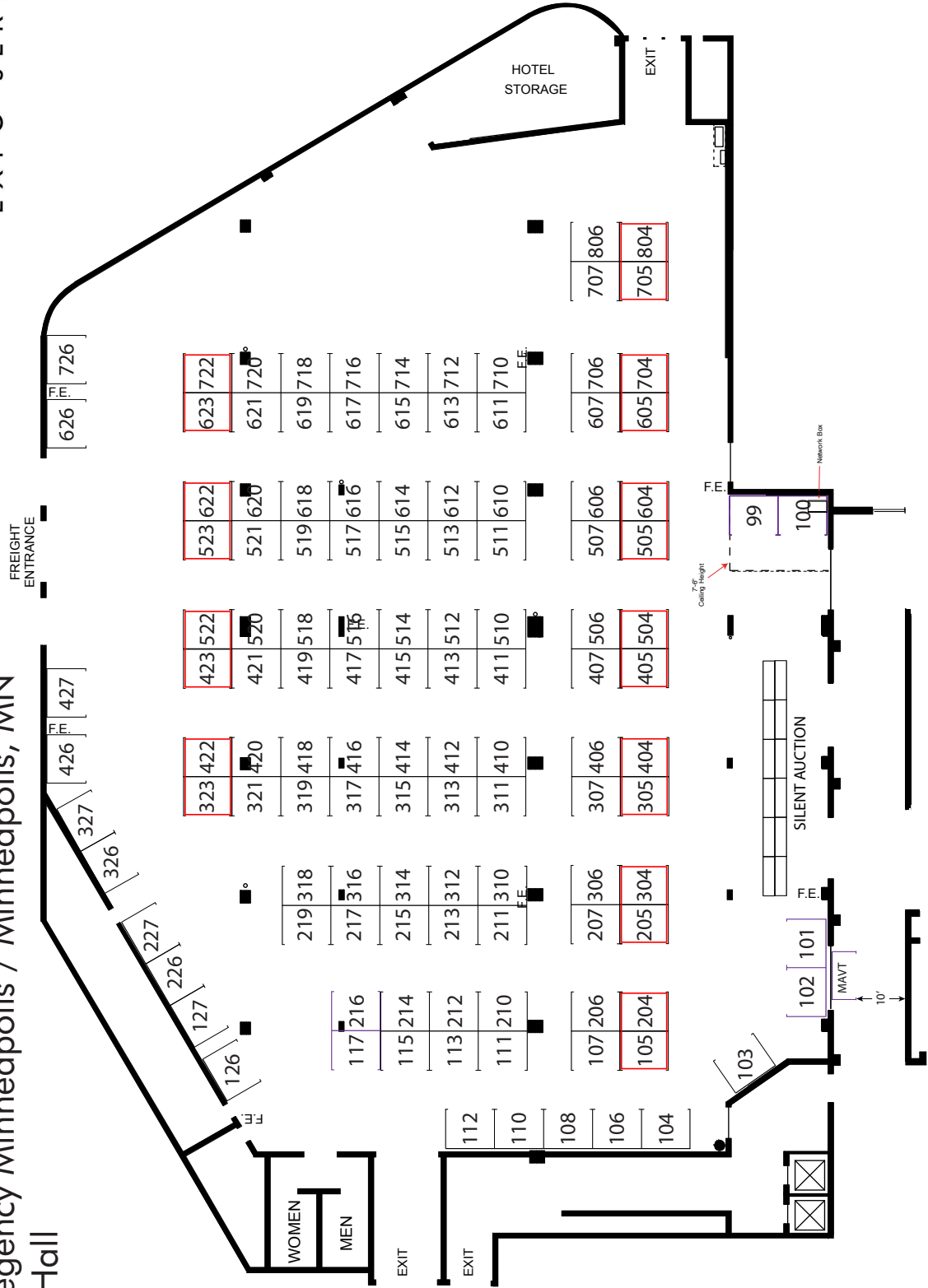
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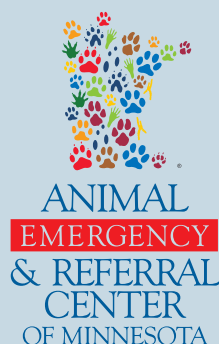
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