



# MESSAGE FROM THE DEAN



August 2023

## Happy Demisemiseptcentennial!

On July 26th, UW-Madison officially kicked off a year-long celebration of its [175th anniversary](#), otherwise known as a demisemiseptcentennial. From 1848 to today, Badgers have found shared purpose in a principle called the Wisconsin Idea — an unwavering belief that our teaching, research, and public service should push beyond the boundaries of our campus to improve the lives of people (and animals) everywhere.



Whether it is how we educate our students, the research we conduct that benefits societies around the globe, or the life-changing experiences that many of our students have during their time here, there's just so much to celebrate at UW-Madison. I'm so proud that UW-Madison continues to be one of the preeminent institutions of higher education in the world at which to work, learn, and discover.

The UW School of Veterinary Medicine (SVM) is celebrating its own major milestone this year. It was the fall of 1983 that the inaugural class of SVM alumni first walked the halls of our school, and 40 years later we are one of the top schools of veterinary medicine in the world and our graduates continue to be among the best and most sought after in our profession.

Yet we continue to strive to be better in all that we do. One example of this is the advent of our new curriculum, which we hope to launch in 2025, that will both modernize and improve upon the education we are providing the next generation of veterinarians and scientists. We also continue to blaze new trails in the research we conduct, while repeatedly exceeding our previous years' total research awards. And finally, with the upcoming opening of our new North Building (which will include a significant expansion of our small animal hospital) and a new large animal arena and isolation facility, as well as new and improved research and teaching spaces, we will continue to lead the nation in much of what we do.

I'm immensely proud of having been a part of the school for more than three decades and I can't wait to see all that we will achieve in the coming years.

I hope each of you has a good remainder of your summer.

Mark Markel  
Dean, UW School of Veterinary Medicine

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**UW Veterinary Care Updates from the Director**

Please join me in welcoming the following new employees who joined our team in July:

- **Autumn Phelps** joined the ECC as a new veterinary nurse. Autumn Autumn brings 5 years of animal handling and care experience to UWVC.
- **Niki Albridge**, CVT, is returning to UWVC as a veterinary nurse in anesthesia. Niki has vast CVT experience, including working with WisCARES and Madison College.



I would also like to extend a warm welcome to our [incoming group of residents and specialty interns](#). We look forward to watching them grow as veterinarians over the next year.

## Incoming Residents

- Kirsten Andersson - Medical Oncology
- Samantha Braman - Small Animal Internal Medicine
- Kaitlin Leung - Small Animal Internal Medicine
- Callie Miller - Dermatology
- Angela Molli - Cardiology
- Christen Montesanto - Medical Oncology
- Tichaona Murambinda - Shelter Medicine
- Diana Perez - Large Animal Internal Medicine
- Karina Pinal - Neurology
- Victoria Vazin - Emergency Critical Care
- Claudia Colon - Small Animal Surgery
- Corentin Faugier - Anesthesiology
- Olivia Harris - Small Animal Surgery
- Tricia Hu - Radiation and Oncology
- Margot Ryan - Radiology
- Brenda Righter - Large Animal Surgery

## Incoming Specialty Interns

- Makayla Watros- Shelter Medicine Intern
- Sean Okada- Oncology Clinical Trials Intern
- Kimberly Law- Oncology Clinical Trials Intern
- Daria Hinkle - Special Species
- Peter Laminette - Small Animal Surgery

Finally, I'm proud to share following client comment, which highlights the excellent care and customer service delivered by all members of our team. From the reception staff to the students, nurses, clinicians and everyone behind the scenes, we all play an important role in delivering compassionate care to our patients. Thank you for all that you do.

*"Your team was SUPER! We couldn't have asked for any better care. We purposely waited for our dog to have surgery through UW because of its excellence. Dr. Bartlett was the lead doctor, and she was very knowledgeable about Trigger's assessment. I appreciate that she took the time to research all his issues and knew her client thoroughly! UW has been part of our lives with all our yellow labradors. From dermatology, bone cancer, ACL, rebuilt, etc. you have been there. We wouldn't go anywhere else."*

Christopher Snyder, DVM, DAVDC  
Director, [UW Veterinary Care](#)  
Associate Dean for Clinical Affairs

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## Teaching and Learning News

*An update from Peggy Schmidt, associate dean for professional programs*

## The language of learning outcomes.

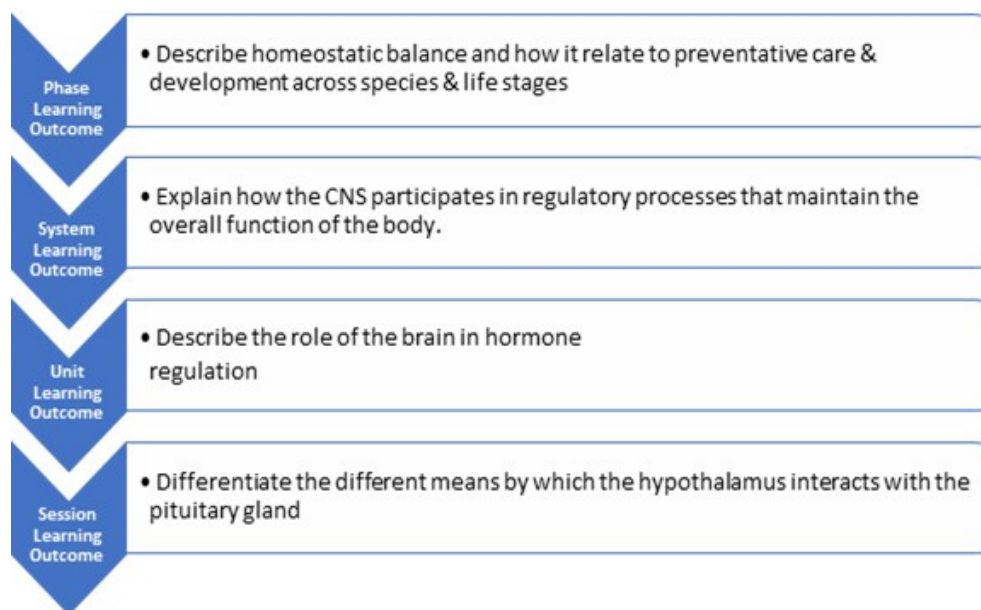
The members of our Nimble revision group continue to make progress in creating a student-centered integrated curriculum to begin in the fall of 2025. The group is currently refining learning outcomes at the system module and unit level that align upwards to phase level learning outcomes in Phases 1 and 2. Unless, like our Nimble group, you are living and breathing learning outcomes, that sentence makes little sense. Why are we focusing so much time on learning outcomes when we could be creating courses?

Learning outcomes are statements that capture what a student will know and be able to do after completing an educational experience. Learning outcomes exist at many levels in an educational program and are nested in degrees of granularity. Clearly identified learning outcomes aid in curricular and course development by:

- facilitating hard decisions about selecting course content,
- guiding design of assessments where students appropriately demonstrate their knowledge and skills, and
- aligning learning activities that allow students to develop their knowledge and skills.

Basically, well designed learning outcomes create a developmental road map for student learning from day one of veterinary school to day one of veterinary practice.

Early in our revision process, faculty used created phase level learning outcomes based on the Competency-Based Veterinary Education (CVBE) framework ([cvbe.org](http://cvbe.org)). This frames each phase learning outcome with what an entry level veterinarian needs to be *able to do*. Faculty groups then used these phase learning outcomes to create more granular learning outcomes at the body system level. Those system level outcomes then become the basis for more granular unit level learning outcomes, which in turn guide development of learning outcomes for each learning session or activity. Here is an example of nested learning outcomes:



With the Nimble the unit learning outcomes are finalized for each body system module, we are preparing to hand off this developmental road map to course development groups. These groups, made up my faculty subject matter experts and instructors, will use the learning outcomes to create assessments and learning activities that make up each course in Phases 1 and 2 revised curriculum.

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**Dean's Get Together - Ice Cream Social**



*SVM Dean Mark Markel and Anna Fowler, SVM events coordinator, getting ready to dish up some of Babcock Dairy's finest flavors to faculty, staff and students outside Hanson Lab last month.*

## School News

Construction on the North building is moving right along. With an expected opening of the first and second floors later this year, most of the work has moved inside - and it's starting to look more like the finished product! From expanded hospital facilities to new labs to enhanced collaboration and learning spaces, the North building expansion will position the School of Veterinary Medicine to achieve even more.

A new undergraduate major, [Animal & Veterinary Biosciences](#), offered through the College of Agricultural and Life Sciences (CALS), is expected to leverage a strong partnership with the SVM to grow Wisconsin's veterinary workforce.

## Faculty and Staff News

**Carrie Schroeder** (DSS) was awarded the 2023 Non-UW [Health] Faculty Teacher of the Year from the UW Department of Anesthesiology. This award from residents recognizes a non-UW faculty member for exemplary teaching of medical knowledge, technical skills, and clinical judgment.

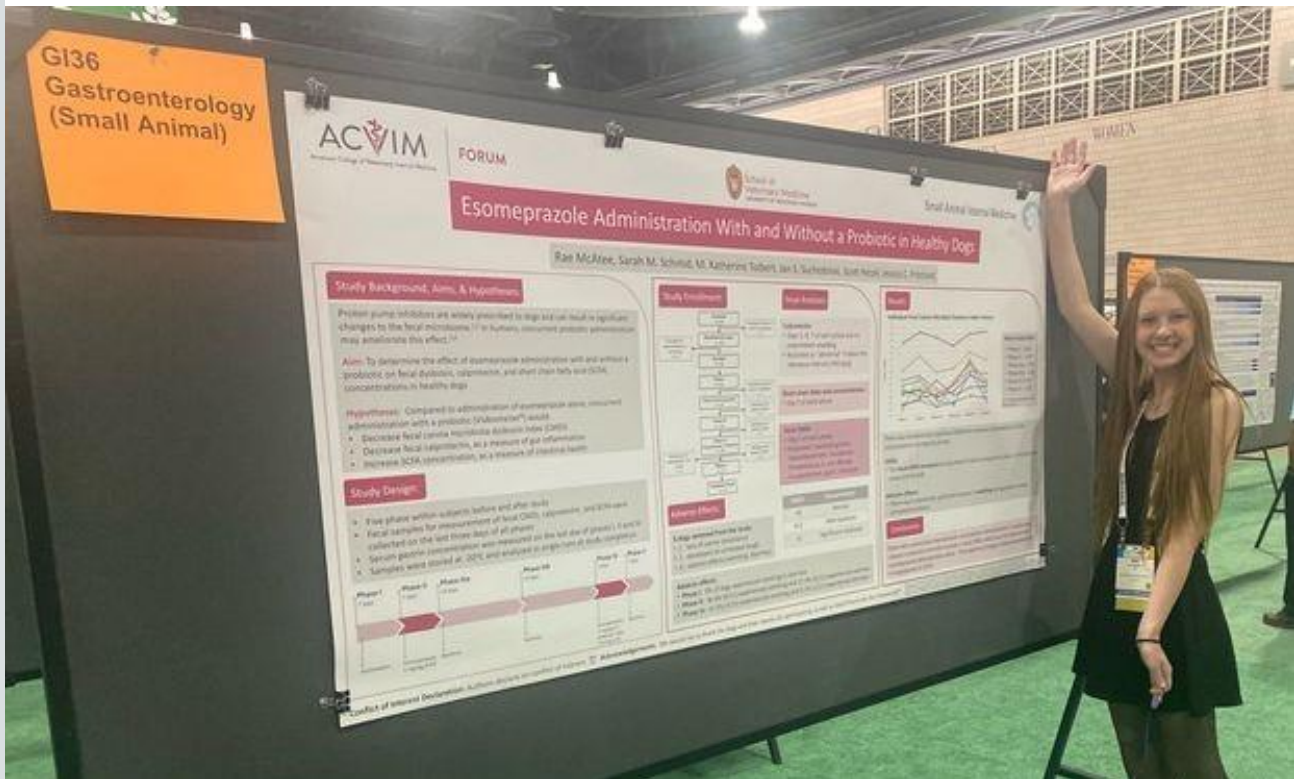
**Amy Nichelason** (DMS) has been accepted into the 2023-24 Harvard Macy Institute Program for Educators in Health Professions. The program is built around 5 major themes: the science of learning, teaching skills and strategies, inquiry and evidence in education, curriculum design, examining your assumptions, leadership development, and innovations in education.

**Peggy Schmidt**, associate dean for professional programs, presented "Competency-based education: Current status at several schools of veterinary medicine" at the University of Minnesota CVM Education Day in May.

**Karen Hershberger-Braker** (CBS) presented "Pilot Study: Successful Use of the Critical Incident Questionnaire for Feedback and Reflection After Anatomy Instruction" at the 2023 American Association of Veterinary Anatomists Conference.

**Rae McAtee**, second-year small animal Internal Medicine resident, won first place for her research poster at the American College of Veterinary Internal Medicine (ACVIM) Conference

in Philadelphia. She also received second place for the Comparative Gastroenterology Society's poster presentations!



Second-year small animal resident Rae McAtee proudly displays her winning research poster, "Esomeprazole with and without Probiotics in Healthy Dogs," at the 2023 ACVIM conference in Philadelphia

## Research News

**Freya Mowat** (DSS) received an NIH R01 grant to study whether pet (companion) dogs are an efficient sentinel model for the human health impacts of home environment-derived neurotoxicants.

**Amy Nichelason, Nathan Bollig, Tom Bach, Molly Harris, Peggy Schmidt** published a paper, "[Comparison of Community Practitioner and Clinical Educator Expectations of Veterinary Graduates](#)" in the *Journal of Veterinary Medical Education*.

**John Svaren** (CBS) received a new 5yr R01 entitled "Schwann Cell Reprogramming after Nerve Injury."

**Elizabeth Alvarez, Amy Nichelason, Simon Lygo-Baker**, published a paper "[Virtual Clinics: A Student-Led, Problem-Based Learning Approach to Supplement Veterinary Clinical Experiences](#)" in the *Journal of Veterinary Medical Education*.

**Tricia Fry, Kristen Friedrichs, and Tony Goldberg** (CBS) published a paper "[Long-term assessment of relationships between changing environmental conditions and the physiology of southern Beaufort Sea polar bears](#)" in the journal *Global Change Biology*. The research was a collaboration with Alison Ketz and Timothy Van Deelen from the UW-Madison Department of Forest and Wildlife Ecology and colleagues at Colorado State University and the US Geologic Survey- Alaska Science Center.

**Lorelei Clarke** (PBS) and **Kathy Deering** (WVDL) published a paper, "[Follicular dysplasia and hair loss in white-tailed deer](#)" that will appear in a special edition of the journal *Veterinary Pathology*.

**Adel Talaat, Bubacarr J.B. Touray, and Rachel Hildbrand** (PBS) published their paper "[Protective RNA nanovaccines against \*Mycobacterium avium\* subspecies \*hominissuis\*](#)" in the journal *Frontiers in Immunology*.

**Lyric Bartholomay** (PBS/CBMS) published the following papers: “[Ultra-low volume \(ULV\) adulticide treatment impacts age structure of Culex species \(Diptera: Culicidae\) in a West Nile virus hotspot](#)” in the *Journal of Medical Entomology*; and “[A Comparative Analysis of RNAi Trigger Uptake and Distribution in Mosquito Vectors of Disease](#)” in the journal *Insects*. The latter was co-authored by **Paul Airts** and **Bieneke Bron** (CBMS alumni) and **Katie Kudrna**, DVM '23.

## Student News

**Eddy Cruz**, a dual degree student pursuing a PhD degree in the laboratory of Dr. Johanna Efenbein, was recently awarded a highly competitive F30 fellowship from the NIH to support his project, “Differential Regulation of Three DMSO Reductases During Enteric Salmonellosis.”

**Raghu Ramesh** (CBMS) defended his dissertation, “The Schwann Cell Gene Regulatory Network in Development and Injury.”

**Kendra Dahmer** (PBS) defended her dissertation, “Molecular Surveillance and Drug Target Discovery for Human Filarial Nematodes.”

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## Upcoming Events

August 8

**Vet Med Ed Day**

8:30-3:00

DeJope Residence Hall/Mendota Room

September 15

**All School Kickoff Picnic**

5– 7 p.m.

SVM Overhang

August 18

**Dean’s Get Together**

4:30 – 6 p.m.

SVM Overhang

November 11

**Tailgate 2023**

UW vs. Northwestern

Details TBD

August 27

**WisCARES 10th Anniversary Event**

1-4 p.m.

WisCARES Clinic

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## SVM in the News

**Chelsea Holschbach**, veterinarian and assistant professor in large-animal and food-animal-production, is featured in a story in [Agri-View](#) about the key role that SVM researchers had in identifying a genetic defect affecting Holstein calves and the steps being taken to protect future generations of dairy cattle.

Dean **Mark Markel** was interviewed by NBC 26 in Green Bay about the [shortage of veterinarians](#) across the state and in rural communities.

**Lyric Bartholomay**, professor and director of the comparative biomedical sciences graduate program, was interviewed for [a story in Entomology Today](#) about how mosquito sprays can reduce the risk of West Nile Virus.

