

2014 Highlights

UNIVERSITY OF MINNESOTA

College of Veterinary Medicine

Driven to DiscoverSM

Preparing the next generation of veterinarians and veterinary researchers

Accreditation

The American Veterinary Medical Association (AVMA) Council on Education (COE) granted the University of Minnesota College of Veterinary Medicine full accreditation. Accreditation by the AVMA COE represents the highest standard of achievement for veterinary medical education in the United States.

Tuition freeze

The University of Minnesota Board of Regents agreed to freeze tuition for resident undergraduates and professional resident and nonresident students in the College of Veterinary Medicine and Medical School. College administration recommended the tuition freeze in an effort to make tuition more affordable for students, who often graduate with significant student loan debt.



Commencement

Doctor of veterinary medicine degrees were awarded to 96 students at the college's commencement ceremony at Ted Mann Concert Hall on May 10. Eight PhD degrees, four DVM/MPH degrees, and three MS degrees were also awarded. The commencement address was presented by Dr. Link Welborn, chairman of the American Veterinary Medical Association's Veterinary Economics Strategy Committee.

Scholarships

The college awarded more than 80 scholarships totaling \$370,000 and recognized the generous support of donors at the annual spring scholarship reception in April. Dr. Mike McMenemy, class of 1969, an Alumni and Friends Society board member and past president of the Minnesota Veterinary Medical Association, was honored with the college's Outstanding Service Award. Donors established three new scholarships through the University of Minnesota Foundation's Fast Start 4 Impact program, committing a total of \$225,000 to build the college's endowments for student support.

Education Day

The college hosted its fifth annual Education Day on May 30, when faculty attended seminars and a plenary session, made presentations, and participated in roundtable discussions related to education and innovative teaching methods. Education Day also included the presentation of teaching awards, including the Zoetis Distinguished Teacher Award, presented to Dr. Christina Clarkson; departmental and graduate advising/teaching awards; excellence in course coordination awards; and Veterinary Medical Center technician teaching awards.

Applications for fall admission

The college's admissions office received 961 applications for the 102 seats in the fall 2015 freshman class. Seven University of Minnesota students were accepted into VetFAST, an early admission program for students interested in food-animal veterinary medicine.

Veterinary education twinning project

The University of Minnesota College of Veterinary Medicine and Chiang Mai University in Thailand took part in a veterinary education twinning project under the World Organisation for Animal Health (OIE) Veterinary Education Twinning Program. Part of a wider OIE initiative to improve the capacity of veterinary services in developing countries, "twinning" is an approach that enables peer-to-peer exchange of knowledge, ideas, and experience between two universities.

Plans for preventive health center

The Veterinary Medical Center (VMC) began the design phase of renovations for a proposed preventive health center to better support the training and preparation of veterinary students for careers in general practice.

Discovering and sharing new knowledge



International Conference on One Medicine One Science (iCOMOS)

The inaugural iCOMOS took place on April 27-30 at the Commons Hotel in Minneapolis. More than 300 participants from around the world attended the meeting,

discussing key challenges to human, animal, and environmental health through a scientific lens. The conference focused on infectious disease and global food production challenges.

Global food ventures funding

When the University of Minnesota awarded more than \$3 million to 17 projects as part of the first round of MnDRIVE's global food ventures funding, nine of the projects involved College of Veterinary Medicine faculty. Nearly all of the efforts were interdisciplinary, with collaborators from across the University, as well as external partners.



Research on canine epilepsy

The AKC Canine Health Foundation awarded a grant to Dr. Ned Patterson, associate professor, for his work with canine epilepsy.

Points of Pride Research Day

The college hosted its annual Points of Pride Research Day on October 1, presenting the Distinguished Research Alumnus award to Dr. Charles Thoen, professor of veterinary microbiology and preventive medicine at Iowa State University, who received his DVM and PhD from the University of Minnesota. Dr. Kent Reed, professor in the Veterinary and Biomedical Sciences Department, received the Zoetis Award for Excellence in Research; the National Pork Board and Minnesota Pork Board were honored as Distinguished Research Partners; and Dr. Montserrat Torremorell, associate professor in the Veterinary Population Medicine Department, was presented with the Mark of Excellence Award. Fifteen graduate students, postdoctoral fellows, and summer scholars received awards in the Points of Pride poster competition.

Leman Swine Conference, Saint Paul RiverCentre

The college hosted the 2014 Allen D. Leman Swine Conference at RiverCentre in St. Paul September 13-16. One of the international swine community's premier events, the Leman



conference drew a record-setting number of more than 900 swine veterinarians, producers, research scientists, industry experts, and government officials from around the world. In addition to two days of presentations and seminars on topics ranging from swine diseases to production to consumer issues, the conference included a two-day preconference program, trade show exhibits, awards, and poster presentations.

Leman China Swine Conference

The third annual Leman China Swine Conference was held at the Quijiang International Conference Center in Xi'an, China, October 21-22. The conference welcomed more than 1,100 swine veterinarians, producers, research scientists, and industry experts from 15 countries, providing 18 speakers and 30 presentations.

More than 80 exhibitors displayed products and services.



Minnesota Dairy Health Conference

About 180 dairy veterinarians, producers, and other industry professionals discussed the latest developments in dairy production science, health, management, and food quality at the annual conference, which was held May 20-22.

New China Dairy Conference

The College of Veterinary Medicine hosted the first China Dairy Conference in Beijing, China, November 3-4. Nine dairy experts from the United States and China spoke at the event, which was organized in response to the rapid development of the Chinese dairy industry and the demand for knowledge and solutions to the complex challenges facing dairy production and management in China. Four hundred participants from 15 countries attended, and 47 exhibitors displayed products and services.

Minnesota Veterinary Institute

This new collaboration of the Minnesota Veterinary Medical Association, Veterinary Hospitals Association, and University of Minnesota College of Veterinary Medicine offered continuing education programs for veterinary practitioners. The inaugural program was an advanced dentistry series featuring lectures, wet labs, and online content.

Camelid Health Conference

More than 100 alpaca and llama owners, veterinarians, and veterinary technicians gathered at the Pomeroy Student-Alumni Learning Center on January 11 for the college's annual Camelid Health Conference. Coordinated by Dr. Anna Firshman, the conference included a keynote speech by Dr. Norm Evans. Topics included genetics, nutrition, breeding, maximizing fiber, and health concerns such as internal and external parasites.

Serving the community in Minnesota and around the world

\$50 million grant funds One Health Workforce

Under a new five-year award of up to \$50 million, the University of Minnesota and Tufts University became part of an international partnership of universities to strengthen global workforce development against emerging pandemic threats. Called One Health Workforce, the effort is part of a new United States Agency for International Development (USAID) Emerging Pandemic Threats 2 program focusing on disease surveillance, training, and outbreak response. Faculty from the University of Minnesota's programs in veterinary medicine, human medicine, nursing, public health, education and development, and environmental health are collaborating on the work, with the College of Veterinary Medicine in the lead.

Tests for porcine epidemic diarrhea virus

College of Veterinary Medicine researchers developed a second porcine epidemic diarrhea virus (PEDV) diagnostic test to help stem the spread of the virus threatening North American swine populations. The test can detect evidence of the virus, allowing swine producers to identify which pigs have been exposed to PEDV, even if the animals have not shown symptoms of the disease.

Partnership with Animal Humane Society

The College of Veterinary Medicine joined forces with Animal Humane Society (AHS) to offer reduced-cost spay and neuter surgeries to cats and dogs being cared for by rescue organizations and animals awaiting adoption at AHS. Fourth-year veterinary students complete a rotation at the Animal Humane Society's Golden Valley location, performing spay and neuter surgery on rescue and shelter animals under the guidance of CVM veterinarians.

Veterinary Diagnostic Laboratory

The official laboratory of the Minnesota Board of Animal Health, the University of Minnesota Veterinary Diagnostic Laboratory (VDL) continued to be a national leader in providing rapid diagnosis of animal diseases, identifying emerging diseases, and developing new diagnostic methods, as well as training diagnosticians and veterinarians. The VDL provides quality diagnostic services for all animal species, including necropsy, bacteriology, clinical chemistry, electron microscopy, serology,

endocrinology, histopathology, immunohistochemistry, virology, parasitology, molecular diagnostics, and toxicology. A national leader in protecting animal and human health, the VDL's full-service laboratories perform some 1.4 million procedures annually.



Veterinary Medical Center



The most advanced, full-service referral care center for large and small animals in Minnesota, the University of Minnesota Veterinary Medical Center (VMC) saw more than 35,000 cases, with specialists available in all areas of medicine and surgery. More than 50 of the veterinarians on staff have undergone several years of additional training to become board-certified specialists in a particular area of veterinary medicine. In 2014, the VMC began the design phase of renovations for a proposed preventive health center to support the training of veterinary students for careers in general practice.

The Raptor Center

The Raptor Center (TRC) celebrated its 40th anniversary in 2014, a milestone year in which more than 800 raptors were treated, the educational Raptor Lab was funded, and a new strategic plan was developed. With the help of the center's supporters, a major capital campaign was completed, allowing TRC to break ground and begin construction on the new Douglas Dayton Education Wing. TRC also continued its work training veterinarians and veterinary students from around the world and presenting educational programs to thousands of people of all ages.



University of Minnesota Equine Center

In addition to conducting research, providing veterinary education through internships and residencies, and treating patients, the Leatherdale Equine Center teamed up with Bleu Valley Farm, LLC, of Stillwater, Minnesota, to give veterinary students an opportunity to get hands-on experience with the breeding and foaling process. The center also offered an online course, "Introduction to the Horse," and hosted a variety of events at the Barescheer Arena and Nutrena Conference Center, including horse shows, riding clinics, horsemanship camps, and the annual Challenge of the Unwanted Horse.



RESPOND

The College of Veterinary Medicine, School of Public Health, School of Nursing, Medical School, College of Food, Agricultural and Natural Resource Sciences, and College of Education and Human Development completed the RESPOND project, a five-year cooperative agreement funded by the U.S. Agency for International Development. RESPOND improved the capacity to respond to zoonotic and emerging infectious diseases around the world, paving the way for the new One Health Workforce project funded in 2014.

One Health Partnerships Workshop

Hosted by the Center for Animal Health and Food Safety on April 30, the annual One Health Partnerships Workshop focused on One Health, the actors who make the One Health system work, animal-human interactions in public settings, and how One Health works in the “real world.”

VetCamp

Developed and taught by DVM students and sponsored by the Minnesota Veterinary Medical Foundation, this three-hour program for students in grades 9-12 engages students with interactive, hands-on learning activities and games. VetCamp takes place at various venues throughout the year, including summer day camps at the college and county fairs around the state.

Distinguished achievements

National leadership



Dean Trevor Ames became president of the Association of American Veterinary Medical Colleges, a nonprofit membership organization working to protect and improve the health and welfare of animals, people, and the environment by advancing academic veterinary medicine.

Award for Excellence



The American College of Veterinary Dermatology (ACVD) honored Dr. Sheila Torres, professor and head of the Veterinary Medical Center's Dermatology Service, with the ACVD Award for Excellence for Outstanding Contributions to Science and Education. The award was presented at the North American Veterinary Dermatology Forum in April.

Outstanding mentors

The University of Minnesota Postdoctoral Association presented Dr. Cathy Carlson with an Outstanding Postdoctoral Mentor Award, which recognizes extraordinary performance in mentoring postdoctoral fellows, postdoctoral associates, and research associates. Dr. John Fetrow was honored as the Merck Animal Health Mentor of the Year, which honors an individual who has dedicated his or her career to educating, mentoring, and advancing the careers of bovine veterinary medical students. Dr. Nicholas Robinson was awarded the American College of Veterinary Pathology Mentor of the Year Award based on excellence in teaching and dedicated mentorship to students.

MVMA honors

The Minnesota Veterinary Medical Association (MVMA) honored Dr. Kurt Rossow, associate clinical professor in the Veterinary Diagnostic Laboratory, with the Outstanding Faculty Award at the MVMA annual meeting in February. The Outstanding Faculty Award is given to a CVM faculty member who has provided outstanding service to Minnesota veterinarians, given time and talent to the veterinary profession, and been a dedicated contributor to organized veterinary medicine. Rossow's research and clinical interests include disease diagnosis and infectious diseases of swine.

Innovative ideas

The University of Minnesota Graduate School recognized Dr. Rebecca Davies, director of Quality Central, for her innovative ideas in interdisciplinary graduate education, awarding funding

for her proposal, "The Case for Quality: Creating Training Tools to Integrate Quality Assurance into Academic Research Programs."

Clinician-Scientist Fellow

The American Kennel Club's Canine Health Foundation (CHF) named Dr. Eva Furrow, assistant professor, as one of five 2014 Clinician-Scientist Fellows. Furrow received support from the CHF for her research on urinary stones in dogs.

AABP honors

Veterinary students Lindsey Borst, Andy Kryzer, Lee Michels, and Megan Thompson were honored by the American Association of Bovine Practitioners (AABP) with AABP Foundation-Zoetis Veterinary Student Scholarships to support their careers in large-animal veterinary medicine. Borst and Michels also received Merck Animal Health Student Recognition Awards; Kryzer was presented with the AABP Foundation-Cargill Scholarship; and Megan Thompson received a first-place award in the 2014 Student Case Competition (Research).

Veterinary Student Scholar

Veterinary student Samantha Gardner was a Morris Animal Foundation Veterinary Student Scholar. Her project, "Minnesota Moose (*Alces alces*) Mortality Study: Development of Protocols for Anesthesia and Serology," was one of 25 veterinary student projects across the country

A new book

Large Animal Medicine for Veterinary Technicians, a book edited by Laura Lien, a Wisconsin veterinary technician, and CVM staff members Sue Loly, large animal technical supervisor, and Sheryl Ferguson, manager, Large Animal Hospital, was published by Wiley-Blackwell.



Outstanding service

Lisa Berg, library assistant III, was honored with a 2014 President's Award for Outstanding Service. The University of Minnesota award recognizes faculty and staff who have provided exceptional service to the University, its schools, colleges, departments, and service units.