



Also inside this issue of *lifelines*:



Grad student wins UDP grad student award at K-State. See page 2



AABP awards scholarships to CVM students. See page 2



New Early Admit Scholars are chosen. See page 3



Video report on equine bandaging after colic surgery. See page 3

Swine viruses 'under surveillance'

CEEZAD teams up with St. Jude Children's Hospital Center of Excellence for Influenza Research and Surveillance

Scientists in the CVM are playing the part of detectives looking for clues to help solve mysteries in human and animal health. By utilizing a methodology known as syndromic surveillance, researchers isolate and characterize swine influenza viruses causing disease to support a collaborative project with the St. Jude Children's Research Hospital in Memphis, Tennessee.

Dr. Jürgen A. Richt, and Dr. Wenjun Ma have obtained a seven-year \$1,078,543 National Institutes of Health grant to fund the project, "Swine Influenza Syndromic Surveillance and Research." Dr. Richt is the Regents Distinguished Professor at Kansas State University and an Eminent Scholar of Kansas Bioscience Authority and the director of the Department of Homeland Security Center of Excellence for Emerging and Zoonotic Animal Diseases (CEEZAD) at K-State. Dr. Wenjun Ma is an assistant professor of virology in the Department of Diagnostic Medicine/Pathobiology.

"We are one of the only specialists in the world who can handle the swine influenza virus in a very sophisticated manner," Dr. Richt said. "We are working with the Kansas State Veterinary Diagnostic Laboratory and Abilene Animal Hospital to collect samples from diseased pig populations. Sequence analysis of these samples can provide knowledge of the genetic evolution of influenza A viruses in pigs. If the genetics are different than what was known before, then we can characterize viruses in more detail and help in the development of novel vaccines and diagnostic tests if necessary."



Researchers have swine influenza viruses 'under surveillance.' (Undated file photo)

The project is in collaboration with Dr. Richard Webby at St. Jude Children's Research Hospital, who works in its infectious diseases department. Dr. Webby is the director of the World Health Organization Collaborating Center for Studies on the Ecology of Influenza in Animals and Birds. This center is part of a larger group of institutions collectively called the Centers of Excellence for Influenza Research and Surveillance, which comprises facilities in New York, Maryland and Georgia. The overall goal of these centers is to provide the government with public One Health tools and strategies needed to control and lessen the impact of epidemic influenza and the increasing threat of pandemic influenza.

"With us working with livestock at the veterinary college, we also involve our important stakeholders, which is the livestock industry in the state, because agricultural products are very important export items for our state and the nation," Dr. Richt said.

K-State selects Holdsworth for grad student award

K-State's highest achieving faculty members are honoring the next generation of exceptional researchers with 2014 University Distinguished Professors Graduate Student Awards.

A Sept. 16 awards ceremony honored three students including Clark Holdsworth, doctoral student in anatomy and physiology, Vestal, New York, who received \$2,500.

The other two students who received the award are outside the CVM. They were Jessica Rupp, doctoral student in plant pathology, Pittsburg, who received \$5,000; Bryan Cafferky, doctoral student in marriage and family therapy, Walla Walla, Washington, who received \$2,500.

The award recognizes students who have shown outstanding achievement in scholarship through publications and other accomplishments appropriate for his or her academic field.

K-State's university distinguished professor, or UDP, group, has established a set of guidelines and criteria for the evaluation of candidates, and Carol Shanklin, dean of the Graduate School, coordinates the selection process.

Holdsworth's dissertation is "KATP channel function in vascular and metabolic control during exercise: implications for cardiovascular disease." He is researching possible causes of an oxygen imbalance in individuals with chronic heart



Dr. Timothy Musch congratulates his grad student, Clark Holdsworth, on being one of three students selected from across campus for K-State's University Distinguished Professors Graduate Student Award.

failure and diabetes, which leads to an intolerance to exercise. Holdsworth will use the funds for national conference travel and to present science career advocacy lectures to advanced placement high school students. His adviser is Timothy Musch, professor of anatomy and physiology.

The awards are made possible through a combination of donations from individual university distinguished professors and support from the university's vice president for research.

Beefy trio earns scholarships at annual AABP conference



Fourth-year students Aaron Schaffer and Doug Shane and third-year student Jacob Hagenmaier took home scholarship awards from the annual AABP Conference in Albuquerque, New Mexico.

Three CVM students were recently among two different groups of 15 students from across the nation chosen to receive American Association of Bovine Practitioners Foundation scholarships; one supported by Zoetis and the other by Merck Animal Health. Aaron Schaffer, Fairbury, Illinois, and Douglas

Shane, Louisburg, Kansas, both fourth-year students, received the Zoetis scholarship and Jacob Hagenmaier, a third-year student from Randolph, Kansas, received the Merck scholarship.

"Aaron and Doug are two beef and dairy cattle production medicine graduate students who are pursuing a DVM as well," said Dr. Dan Thomson, Jones Professor of Production Medicine and director of the Beef Cattle Institute at K-State. "They are very deserving of these scholarship awards from AABP. Both Aaron and Doug have been examples of excellence in their studies and in their research. Jacob is a humble, hard-working young man who is very deserving of this award. He is conducting a Ph.D. while completing his DVM degree. Awards are not hurdles — they are expectations of great things to come."

"It is an honor to be chosen by groups as respected as Merck and AABP," Jacob said. "The support they have given me via this scholarship will help tremendously. I have every intention of using this award to give back to the industry and the future of bovine veterinary medicine."

CVM welcomes early admit scholars

A group of 24 Kansas State University undergraduate students have had their passions for veterinary medicine rewarded by being accepted into the Early Admission Program in the College of Veterinary Medicine. Since being established in 1999, the Early Admission Scholars program has recruited the best and brightest undergraduate students who want to study veterinary medicine. After acceptance into the program and completion of 64 hours of preprofessional requirements, the scholars are guaranteed admission into the CVM.

“This is the top 5 percent of K-State students according to their college acceptance test scores,” said Dr. Ronnie Elmore, associate dean for academic programs, admissions and diversity programs. “Qualifying for this program is a big deal because there are hundreds of applicants for only a limited number of positions.”

Successful candidates in the Early Admission Scholars program must maintain a 3.4 grade point average during completion of the preprofessional requirements. Each student must also take the GRE test. By their third year of undergraduate studies, the scholars may petition for enrollment in the first year of the DVM degree program.

The 2014 class of Early Admission Scholars are: Amanda Bennett, Sydney Bigger, Tara Brandt, Chris Clarkson, Kacie



An eager group of undergraduate students listen as Dr. Ronnie Elmore explains the requirements and expectations of the early admissions program.

Daentl, Danielle DePriest, Brandi Feehan, Ashley Gasiorwski, Danielle Gieselman, Nathan Hansen, Kristen Helmer, Alexandria Hernandez, Brittany Hilfiker, Anna Kucera, Tori Matta, Taylor Ochsner, Megan Scharping, Paige Schoonveld, Seth Schriwise, Katherine Spaulding, Jessica Stephenson, Emily Turnquist, Kristen Wilbeck and Conor Williams.

Double feature: Videos spotlight Chinese DVM program reunion and equine bandaging

This month, Lifelines features two special video reports.

Video No. 1: “U.S.-China Center Student Reunion”

The U.S.-China Center for Animal Health in the Kansas State University College of Veterinary Medicine welcomed special guests from the China Scholarship Council as part of an inaugural student reunion event held Sept. 24.

So far, 12 students from China have been sent to K-State for preveternary studies and six of those students are now in the first and second years of their DVM programs.



Second-year student Yaoqin Shen shares some of her experiences in large animal medicine.

Video No. 2: “Equine veterinarians examine benefits of abdominal bandages”

While colic surgery in horses is a common procedure for large animal veterinarians, patient care after an operation can be a topic of debate. To help remedy this situation, a team of Kansas State University veterinarians started a line of research to examine the benefits bandages might provide following abdominal surgery.

See both video reports online at: www.vet.k-state.edu/development/lifelines/1410.html



A new study looks at post-surgical equine bandaging.

VHC thanks its dedicated employees



10-10-30-10 = the years of experience as state employees for each of the VHC staffers above. These four were recognized and awarded pins for their service. From left to right: Diane Beets, assistant to the hospital administrator, Jennifer Teeter, medical records auditor, Cindy Bryant, administrative specialist, and Christine Hackworth, veterinary technician in exotics/dermatology. Congratulations!

UPCOMING EVENTS

Oct. 14: 3 – 5 p.m. — Open House: Institute of Computational Comparative Medicine and Nanotechnology Innovation Center of Kansas State, 2nd Floor Mosier Hall

Oct. 15: 3:30 – 4:30 p.m. — Creating and Managing Course Content in Canvas, 104A Trotter Hall

Oct. 15: 3:30 – 4:30 p.m. — Oz to Oz Seminar - Dr. Jill Thistlewaite, Frick Auditorium

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