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KANSAS STATE UNIVERSITY COLLEGE OF VETERINARY MEDICINE

lifelines



Dr. Lisa Freeman co-leads 'One Health Kansas'

K-State collaborates with the Kansas Health Foundation on \$2.3 million project

K-State recently announced a collaborative project with the Kansas Health Foundation with the goal of making Kansans healthier. "One Health Kansas" will promote awareness and understanding of the interconnections among human, animal and environmental health.

"One Health Kansas" will be directed by Dr. Lisa Freeman, associate vice president for innovation, K-State Olathe Innovation Campus, and Dr. Beth Montelone, associate dean, College of Arts and Sciences, and interim scientific director, Biosecurity Research Institute.

The project is funded by a three-year award of \$2,292,308.

"The project has two components," Dr. Freeman said. "The first is to build the pipeline of future public health professionals and the second is to provide broader and more in-depth education for current and future professionals. This will develop a public health workforce capable of addressing emerging and re-emerging zoonotic diseases. In addition, 'One Health Kansas' will enable K-State to develop new collaborations focused on infection prevention with Stormont Vail HealthCare and the Olathe Medical Center."

"One Health Kansas is an exciting opportunity for K-State to utilize its strengths in collaboration, communication and integration," said K-State President Jon Wefald. "K-State will take a leadership role in promoting

One Health concepts across the state of Kansas. Moreover, with K-State as the site for the National Bio and Agro-defense Facility — NBAF — this award will help meet NBAF's workforce needs and allow more of our best and brightest graduates to stay in Kansas."

"To achieve these outcomes, the project will create a series of outreach and education programs to be delivered on K-State's Manhattan campus and at partner community college sites, including Dodge City, Johnson County and Kansas City, Kan.," Dr. Montelone said. "It also will link current master of public health programs offered by the University of Kansas and K-State and promote curricular sharing between these to enhance both."

These programs will build on a United States Department of Agriculture Higher Education Challenge Grant previously awarded to K-State under the direction of Freeman, Montelone and others. The USDA project "Pathways to Public Health" will result in development of an introductory public health course offered jointly with the community college partners; a summer undergraduate residency experience in public health, and establishment of five year combined bachelor's/master of public health degrees at K-State.

"One Health is a concept endorsed by the major national organizations



Dr. Lisa Freeman says "One Health Kansas" will address emerging zoonotic diseases and other public health issues.

representing physicians, veterinarians and public health professionals," Dr. Freeman said. "Collaboration among these groups is needed in Kansas, so that citizens of our state can understand and manage the complexity associated with emerging zoonotic diseases, globalization of the food system, blurring of the urban-suburban-rural interface and many other challenges affecting the health of Kansas children and adults."

"One Health Kansas" will involve faculty and students from the Colleges of Agriculture, Arts and Sciences, Human Ecology and Veterinary Medicine, the K-State Graduate School and the K-State Olathe Innovation Campus.

Veterinary Medical Continuing Education calendar

UPCOMING EVENTS

January 9, 2009
Reproduction, Calving, and Calf Care
in Cow-Calf Herds
<http://www.vet.k-state.edu/CE/2009/heifer.htm>

January 24, 2009
Canine Care Workshop
<http://www.vet.k-state.edu/CE/2009/canineKennel.htm>

Why NBAF will be a valuable partner for the BRI & K-State

Editor's Note: This is a commentary written by Dr. Jürgen Richt, K-State's Regents Distinguished Professor of Diagnostic medicine/Pathobiology and Kansas Bioscience Authority Eminent Scholar.

On Wednesday, Dec. 3, 2008, Associated Press reports indicated that the federal government had recommended Kansas State University the No. 1 site for the new \$450 million National Bio and Agro-defense Facility, or NBAF laboratory. The NBAF would be the nation's premier site for the study of threats to our nation's livestock population.

It comes as no surprise that the Department of Homeland Security has recommended K-State as the No. 1 site for its most modern animal disease research facility. The NBAF will provide an opportunity for federal, national and international animal health researchers to tap into K-State's expertise and a well-educated student body to help fight the threat of exotic and endemic animal diseases.

With this announcement, Kansas State University has tremendous opportunities to excel in basic and translational research on foreign animal and zoonotic diseases. This was only possible because the state of Kansas has strong agricultural roots and is committed to food security and food safety.

Animal health is obviously central to achieve this goal. This commitment of the state of Kansas has resulted in the construction of the \$54 million Biosecurity Research Institute at K-State in Manhattan, Kan. This state-of-the-art facility enables scientists to conduct research on pathogens which threaten the health of our nation's livestock population and citizens. The Biosecurity Research Institute is a testament to Kansas' commitment. It is part of a

comprehensive scientific effort involving scientists — many of whom are international experts — who spend their time working directly on keeping the nation's food supply safe from biological threats.

Choosing K-State as the No. 1 site for the new federal research facility only solidifies this commitment. I am excited about having the chance to be part a scientific team like none other in the nation. With the new federal NBAF facility, the Biosecurity Research Institute, and Kansas State University — soon all together — the state of Kansas has unlimited possibilities in becoming a leader in research on foreign and zoonotic diseases of animals, not only within our nation but worldwide.

More importantly, the physical presence of these biocontainment facilities and animal health experts in Manhattan will ensure our nation's agricultural security for decades.

Establishing state-of-the-art research programs requires serious fiscal, intellectual and physical investments. K-State has the experience, resources and expertise to widely contribute to the establishment of a multifaceted premier research enterprise to combat the world's most dangerous zoonotic and foreign animal diseases.

Not only will the new NBAF facility benefit the scientific community of Kansas and the nation, but it is also expected to generate 1,500 construction jobs and more critically 300 permanent jobs. The presence of NBAF with its workforce translates into an economic



Dr. Jürgen Richt, Regents Distinguished Professor; Tom Thornton, president and CEO of the Kansas Bioscience Authority; Dean Ralph C. Richardson; K-State Provost Duane Nellis; and K-State President Jon Wefald meet at the International Symposium on Emerging Infectious Diseases held on campus in December.

boost that could approach \$30 million annually once the project is completed. This sustainable growth opportunity not only will benefit the people directly involved in this project, but indirectly the citizens of Manhattan and the surrounding communities.

Over the next several years, K-State will need to work very closely with the federal government to establish a plan capable of being executed immediately once the new research facility becomes fully functional in 2015. My previous federal service as a veterinary medical officer with USDA, while at the National Animal Disease Center in Ames, Iowa, will allow me to help bridge the gap between government and academia to ensure the best collaborative efforts. This collaboration is critical for the long-term safety of livestock in Kansas and across the nation. The NBAF laboratory will make Kansas a future international center for infectious disease and bioscience research. I am very proud and excited to be an integral part of this future.

Gingerbread competition fosters creativity



Above: Dr. Roger Fingland takes a few close-up pictures of what turned out to be the second-place winner. Right: The "unknown judge" inspects one of the entries in this year's gingerbread house competition. See more pictures in Lifelines online: www.vet.k-state.edu/depts/development/lifelines/0901.htm



Check it Out at the Library

Staffers spread cheer

By Carol Elmore

Finals week and the week after were busy for the Veterinary Medical Library. Since finals can be a stressful time for students, we tried to provide activities and treats to show our veterinary college students that we care about them.

We shared hot chocolate mix the first day of finals and later in the week we had granola bars, peppermint candy and animal crackers for them. We set out puzzles and games if anyone wanted to have a tiny bit of stress relief from finals.

Peanut butter, jelly, and bread were provided so quick snacks could be made to refuel brain cells. During finals week, many students came to the library to study and experienced the many types of study and seating arrangements that we have as our response to different learning styles. Our "Cocoa Puff" beanbag chairs are especially popular.

The library staff also thought about our community during the holiday

season by contributing bags of animal food, animal treats, cleaning supplies, and cat litter for the animals at the T. Russell Reitz animal shelter.

The shelter staff, although busy doing adoptions on the afternoon when we visited, accepted our donations and graciously thanked us. Several CVM staff members gave monetary contributions that will go toward dog care, medications, and the new building the shelter is planning to add space for their many animal endeavors.

The library staff also participated in the Dean's Office open house by sharing flavored popcorns made from Susie Larson's famous recipes as well as lemonade and ice water. We were hosts to many college staff, faculty, and emeritus faculty and spouses who came to view our library decorations, sample our "cup of crunch" popcorn, and meet with friends.



Hally, Willie and Barbara, staff at the T. Russell Reitz Animal Shelter, accept library staff donations to the shelter.



(Left of tree, from back): Dave Adams, Cindy Logan, Hava Nauss. (Right side, left to right): Mal Hoover, Carol Elmore, Gayle Willard, Mary Girard and Susie Larson.



Under the microscope:

Dr. Howard Erickson

Professor of Physiology
Department of Anatomy
and Physiology



Place of birth: I was born in Wahoo, Neb.

Family Information: My wife, Ann, and I will be married 50 years on June 6 of this year. We have two sons: Jim and David and also two granddaughters: Zinnia and Dahlia.

Pets: Maggie, 10-year-old English springer spaniel

Which part of your position in the veterinary college gives you the most personal satisfaction and why? I have enjoyed all facets of my work at K-State, but working with students in the classroom and laboratory probably gives me the most satisfaction.

Who has been the most inspirational person in your life? There are many, beginning with my father and mother, and local veterinarians, including Dr. Person, a 1913 graduate of the Kansas City Veterinary College. Two great mentors when I was in the Air Force were Drs. Neville Clarke and George Mohr.

What's the most recent state you've visited and why did you go there? We went to Ohio in October to celebrate our granddaughter, Dahlia's 4th birthday and my wife's birthday. They were both born the same day, Oct. 19.

Tell about a time when you surprised yourself through an unexpected accomplishment: On Aug. 1, 2006, I notched a hole-in-one at Colbert Hills on the 8th hole.

What predictions do you have for the New Year? I belong to the Manhattan Breakfast Optimist Club, so my prediction is that 2009 will be much better than 2008.

CVM News Ticker

Retired Brig. Gen. Michael B. Cates, former commander of the U.S. Army Center for Health Promotion and Preventive Medicine and chief of the U.S. Army Veterinary Corps, has been named director of the Master of Public Health program



Brig. Gen. Cates, a native of Frisco, Texas, graduated from Texas A&M University's College of Veterinary Medicine in 1980 and was named an outstanding alumnus of the college in 2005.



Big winners at the Conference of Research Workers in Animal Diseases (CRWAD) held in Chicago: **Megan Jacob** (left) won the Association for Veterinary Epidemiology and Preventive Medicine Award - Food Safety Oral Presentation for "Evaluating Methods for Detecting Salmonella in Fecal and Carcass Samples using Bayesian Analysis." **Dr. Ethel Taylor** (center) won the Association for Veterinary Epidemiology and Preventive Medicine Award - Food Safety Poster Presentation, for "Genetic variation and Shiga toxin production of Escherichia coli O157:H7 isolates from bovine and human feces."

Dr. Brandon Reinbold won the Society for Tropical Veterinary Medicine Award - For Comparison of three oral chlortetracycline treatment regimens for persistent Anaplasma marginale carrier clearance.

Dr. Dan Thomson spoke Dec. 5 in Wichita for the Kansas Livestock Association on the subject: "Raising Cattle in a First World Country: Media, Politics, & Science."

Holiday Helpers



VMTH staffers Amy Heyroth, Bertie Lovett, Jennifer Haden, Trent Armbrust and Robyn Dreher gather gifts for a family sponsored through the Flint Hills Breadbasket community organization. Gifts included toys and much-needed cleaning supplies.

new arrivals welcome

- Kelly Jones - VMTH
- Catherine Welser - KSVDL
- Dr. Chris Blevins - Clinical Sciences