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COVER STORY

Drs. Peking Fong and Jeff Comer cover the topic of CLC transport proteins in latest physiology journal

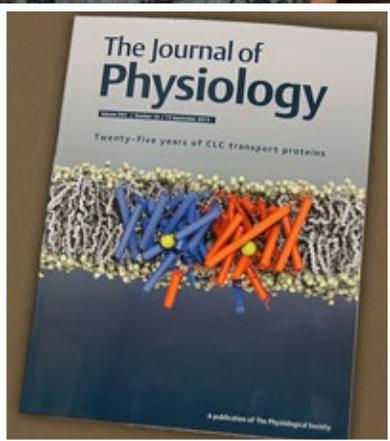
The Sept. 15 issue of *The Journal of Physiology* highlighted a pair of CVM faculty members for independent contributions on the featured topic of CLC transport proteins: Drs. Peking Fong and Jeffrey Comer.

Both work in the Department of Anatomy and Physiology. Dr. Fong is an associate professor who is also a senior editor for *The Journal of Physiology*. She commissioned the five featured Invited Reviews and edited additional submissions comprising the Special Section, "Twenty-five years of CLC transport proteins." She also wrote the lead editorial, which recognizes the landmark achievements leading to

understanding this important family of transport proteins, the dysfunction of which has been associated with what Dr. Fong describes as a "constellation of human genetic diseases."

"One such human disease is myotonia congenita," Dr. Fong said. "Mutations in the corresponding gene in goats underlie the characteristic 'fainting' behavior displayed by the Tennessee fainting goat."

Dr. Comer is an assistant professor whose research focuses on the molecular simulation of interactions between biological molecules and synthetic nanostructures. He is also a core faculty member of Institute for Computational Comparative Medicine and the Nanotechnology Innovation Center for Kansas State. Much of his work involves creating digital, 3-D models of such structures. He contributed the cover artwork.



Inside this issue of *lifelines*



CVM promotes leaders to interim positions.
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CVM names interim leaders for A&P and BCI: Drs. Bruce Schultz and Brad White



Dr. Bruce Schultz

The CVM has selected Dr. Bruce Schultz as the interim head of Anatomy and Physiology to become effective Dec. 1. The current head, Dr. Mike Kenney has accepted a position as associate dean for research in the College of Science at the University of Texas, El Paso, after serving 23 years on the faculty in the college.

Dr. Schultz has been on the veterinary college faculty at Kansas State University since 1997 when

he was appointed as an assistant professor.

“Dr. Schultz has many years of experience with the department has served as the associate department head of A&P since 2012,” Dean Tammy Beckham explained. “I am looking forward to having him serve in this position and lead the department as we move forward. I also look forward to seeing Dr. Schultz taking a more prominent role in the administration of the college.”

“I appreciate having the support of my colleagues and the confidence of our administration to fill in for this position,” Dr. Schultz said. “We want to have a smooth transition and help keep the department moving forward with the same momentum that we enjoyed under Dr. Kenney’s leadership.”



Dr. Brad White

Dr. Brad White has been named as the interim director for the CVM’s Beef Cattle Institute (BCI), which was found in 2007 to create an important connection with the beef cattle industry. Under the previous leadership of Dr. Dan Thomson, a world-renowned beef cattle expert, the Beef Cattle Institute (BCI) grew to become an international resource for educational tools and outreach and an entity that works closely with

the beef cattle industry to address critical challenges.

Dr. White has been on the faculty in the agricultural practices section of the college’s clinical sciences department since 2005.

“We are pleased Dr. White has accepted the interim position,” Dean Tammy Beckham said. “His connections and collaborations within our college and the College of Agriculture at K-State help to ensure the Beef Cattle Institute will move forward seamlessly.”

“The Beef Cattle Institute at K-State is an excellent program for the university and the beef industry,” Dr. White said. “I am excited about this opportunity and look forward to continuing the great work done by the BCI.”

Talented trio earns top teaching awards



Dr. Joshua Rowe, left, accepts the the 2015 Merial Teaching Excellence Award from Dr. Mike Kenney, A&P department head. The award is presented in recognition of outstanding instruction of first-year veterinary students.



Dr. Butch KuKanich receives the Bayer Animal Health Second Year Award in recognition of outstanding instruction of second-year veterinary students.



Dr. Warren Beard receives the 2015 Third Year Teaching Excellence Award from Dr. Bonnie Rush, head of clinical sciences and acting director of the Veterinary Health Center.

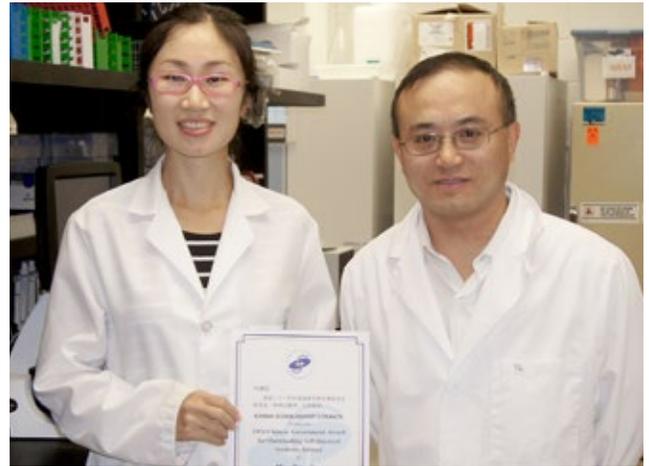
Ma receives prestigious Chinese scholarship for outstanding self-financed students

One tenth of one percent: This is the percentage of students who have received a special scholarship each year from the China Scholarship Council. Kansas State University's Jingjiao (jing-jow) Ma is now one of those fortunate students to receive a 2014 Chinese Government Award for Outstanding Self-financed (non-government sponsored) Students Abroad. This award is made available to about 500 students each year out of an estimated 400,000 Chinese graduate students who are studying overseas.

Jingjiao Ma is a graduate student in the diagnostic medicine/pathobiology department in the College of Veterinary Medicine. She works under the supervision of Wenjun (when-june) Ma (no relation to Jingjiao), an assistant professor of virology in the same department. The award was formally recognized on Sept. 26 at the University of Illinois Urbana-Champaign in Chicago during an awards ceremony. The

scholarship award is in the amount of \$6,000.

"Jingjiao received this award for her highly impressive research on the characterization of newly discovered influenza viruses," Dr. Wenjun Ma said. "She had to provide a demonstrated publication record during her Ph.D. studies [August 2011- July 2015]. In this project, novel bat influenza viruses have been comprehensively studied. The technologies and outcomes of the project have been patented, could be used to develop a safer, live attenuated vaccine and have attracted attention from some industrial companies."



Grad student Jingjiao Ma shows the certificate she received for the 2014 Chinese Government Award for Outstanding Self-financed Students Abroad with major professor Dr. Wenjun Ma.

"I am very much honored to be selected for this competitive award that recognizes my Ph.D. work at Kansas State University," Jingjiao Ma said. "This will motivate my future career development."

Spooky fun for Halloween



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CVM faculty, staff and students celebrate Halloween by dressing up their children, both human and animals. Top left: First-year students Kaitlyn Banks, Rena Heimsoth and Kate Holden with a set of costumed canines. Right: Jakob and Dylan Jacklovich as a Minion and minotaur (submitted by Deanna Jacklovich). Front cover thumbnail: Fourth-year student Brande Beyer's cats, Willie and Adalida, dressed as pumpkins. See more Halloween pics at Lifelines online.

FDA Deputy Commissioner tours VHC



Fourth-year student Alex Moran welcomes Michael Taylor to K-State. Taylor is the deputy commissioner for foods and veterinary medicine for the Food and Drug Administration in Washington, D.C. He was visiting Kansas to learn about the practicalities of beef production, including how animal drugs are being used and managed, with the KSUCVM being one stop on his tour.

CVM News Ticker



Dean Tammy Beckham, testified before the House Agriculture Committee at a hearing on "American Agriculture & Our National Security." She said food

insecurity caused by any reason often leads to negative social and geopolitical consequences.



Tinisha Selvy, Christine Hackworth, Lisa Bryant and Jen Panzer gave guest lectures at the Colby Community College 44th Annual Veterinary Technicians Continuing Education Conference.



Veterinary Health Center

AT KANSAS STATE UNIVERSITY

Funded Clinical Study:

Effectiveness of low-dose meloxicam in slowing the progression of renal dysfunction in cats with chronic kidney disease

The Veterinary Health Center is now accepting participants for a clinical trial that is designed to assess the effectiveness of low-dose meloxicam (Metacam® marketed by Boehringer Ingelheim) in slowing the progression of renal dysfunction in cats with chronic kidney disease. Studies in cats suggest that low-dose, long term nonsteroidal anti-inflammatory drug (NSAID) treatment can slow CKD progression and improve survival time. Participation in this study may extend and improve the patient's quality of life and contribute to research that will change the way we treat CKD in the future. This study is funded in part by the American College of Veterinary Internal Medicine Foundation.

Trial Eligibility Requirements

- Cats with stable CKD
- CKD must be mild to moderate and stable (IRIS Stage II and early stage III CKD) with serum creatinine concentrations ≥ 2.0 but ≤ 4.0 mg/dL.
- Cats with concurrent systemic hypertension and/or proteinuria may be included.

Study Requirements

- CKD will be confirmed and other concurrent disease ruled out at the initial visit.
- Stable kidney disease will be confirmed at a follow up visit approximately 2 weeks later by demonstrating a $< 20\%$ variation in serum creatinine.
- Cats will then be randomly assigned to a treatment group (receive meloxicam) and a control group (receive a placebo).
- Renal function will be monitored at 1, 3, and 6 months

For more information, please contact the VHC at 785-532-5555.

