

## Grant makes research painless for Dr. Coetzee



**Dr. Hans Coetzee recently received a \$325,000 grant from the USDA-NRI Animal Well-being section. He is studying pain relief treatments for production cattle.**

This is one grant that could perhaps be described as a cash cow, and Dr. Hans Coetzee couldn't be more pleased. Over the summer, he led a research team on the initial phase of a project that investigated the pharmacokinetics and pharmacodynamics of drugs used to alleviate pain in cattle. This research project was funded by a \$325,000 grant from the Animal Well-being section of the USDA-National Research Initiative.

According to Dr. Coetzee, "The primary focus of this research is to understand the relationship between analgesic drug administration and alleviation of pain in cattle. Pain is unavoidably associated with dehorning and castration in farm animals; yet, remarkably there are no drugs specifically approved for pain relief in livestock in the United States. To facilitate these approvals, scientific measures of pain are needed."

This research is the first to concurrently measure plasma analgesic drug concentrations and an innovative combination of pain biomarkers and behavioral indicators. Together, these will allow identification of effective, practical and affordable pain relief protocols in cattle.

Studies of this magnitude require a great deal of planning and organization.

"The most significant challenge we encountered was the intensive blood sampling and measurement of behavioral changes over a very short period of time," Dr. Coetzee said. "This was necessary because the effects of pain relieving drugs can be very brief and transient."

To help on the project, Dr. Coetzee had a team of 14 students. He also collaborated with other Ag Practices faculty, including Drs. Anderson, Apley, Gehring and White.

"We believe the veterinary profession and livestock producers must be proactive in terms of developing and utilizing techniques that are shown to alleviate pain in cattle," Dr. Coetzee said. "Our group is committed to developing science-based pain relief methods that are cost-effective, convenient and user-friendly."

### CE Conference: Enhancing Patient Care through Nutrition

This conference will provide up-to-date information on how to incorporate nutrition into the optimal care of small animal patients. Included will be practical issues of pet nutrition that will help veterinarians and veterinary technicians answer

common questions from owners, and learn the latest information on optimizing nutrition for healthy animals. See Linda or Marci at VMCE, 1 Trotter Hall to register.

**Guest speaker:  
Dr. Lisa M. Freeman,  
of Tufts University  
Saturday,  
September 13, 2008**

**Information and Registration Form: [http://ww2.vet.k-state.edu/Intranet/ce/pdf/2008/Emerg\\_med.pdf](http://ww2.vet.k-state.edu/Intranet/ce/pdf/2008/Emerg_med.pdf)**



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## Note from SCAVMA: What's on tap for 2008-2009

Welcome back to all the returning students and hello to all the faculty, staff and students who remained in Manhattan this summer. The 2008-2009 school year bodes to be an exciting one. SCAVMA at K-State is working hard to bring you exciting speakers, events and opportunities all year long.

We began our year of All-School Meetings Aug. 27 with a great talk from Dr. Gary Brown of Princeton, W. Va., who is the new vice president of the AVMA. He came to K-State to talk to our student body about the benefits of being involved with organized medicine on both the local and national levels. The meeting was a great success, and we are excited to continue on with these types of programs.

Next, I would like to introduce you to the newest members of our SCAVMA Executive Board. The third-year students who joined us at the end of last semester are: Megan Oelstrom (vice president), Melissa Peterson (wellness chair), and Megan Stark (mentoring chair). Our second-year students on the board are Adam Lukert (president-elect), Lauren Passantino (secretary), Julia Paul (treasurer-elect), Jennifer Reischman (fundraising chair-

elect), and Sarah Joy (intramural chair). Our new faculty adviser-elect is Dr. Meredyth Jones.

We have several events toward the end of September, so keep an eye out for our advertising. On Sept. 24 at 7:00 p.m. in Frick Auditorium, we will be hosting an Internship/Residency Panel for all your questions about continuing education. On Sept. 26 at 6:00 p.m., SCAVMA and the Public Health Club will host a One Health, One Medicine Lecture Series with dinner. This is meant to be informative in regard to the widespread crisis of rabies. On Sept. 28 at 11:00 a.m. at CICO Park, SCAVMA will be hosting our Annual World Rabies Day celebration. This will include a 5K/10K and Kid's Fun Run, Live Music, Kid's Amusements, massages, local vendors, food from our Bovine and Swine Clubs, and the support of all of our veterinary organizations here at the veterinary college.



**Chris Potanas,  
SCAVMA president**



**By Carol Elmore**

Those of us who work at the veterinary college are quite familiar with databases that index veterinary literature such as PubMed and CAB Abstracts, but are often unaware of the many other electronic databases available to us. I would like to recommend several that are not directly related to veterinary medicine, but can be valuable sources of information.

Databases that deal with

## Check it Out at the Library

### Databases you should know about

historical topics can be used when researching the history of diseases in veterinary medicine. Using Heritage Quest Online, I found information on the history of typhoid fever topic.

Although this is an excellent source of U.S. federal census information from 1790-1930, the database also has a periodical index called PERSI for many genealogy publications. There is also a section that shows full-text access to historical books. I needed information on the City of St. Louis and its

typhoid fever outbreak during the early 1900's. I found references in journals and books about the city's health problems during this time period.

Another valuable database that indexes historical books and periodicals is America: History and Life that makes searching by topic very easy. Topics on the history of medicine and veterinary medicine and their effects on historical America can be located through this index. Access to these two and other databases can be obtained at:

<http://www.lib.k-tate.edu/db/index.html> or through links on our Veterinary Medical Library homepage.

Another database, Lexis/Nexis Academic, gives legal (including court cases that have been appealed) and medical information. Court cases on both the state and federal level can provide valuable information about legal issues that have been litigated on medical and health issues throughout the history of our country. Sometimes this type of information is available only through published court cases. An imaginative use of some of our many library databases can reveal interesting and unusual insights to veterinary medicine.

# Staff appreciation picnic draws a crowd



The CVM held its annual staff appreciation picnic Aug. 14. Attendees were treated to hamburgers, hot dogs, lemonade, CVM T-shirts and a drawing for several door prizes.



## Development office welcomes Megan Kilgore



**Megan Kilgore is the new development officer for the CVM. She replaces Marty Kramer who is now with the College of Education.**

Please stop by 103 Trotter and say hello to Megan Kilgore. She was recently named as the new development officer for the College of Veterinary Medicine, employed through the Kansas State University Foundation. She takes the place of Marty Kramer who is now the director of development for the K-State College of Education.

Prior to joining the CVM, Megan was the marketing/business development manager for Kansas State University Federal Credit Union in Manhattan, where she developed key marketing strategies to increase membership and product usage. Megan's additional experience includes serving as the executive director of Hillsboro Management Board in Hillsboro, Kan., and as an economic

development representative for the Kansas Department of Commerce, Agriculture Division, in Topeka, Kan.

Megan, a native of Lyndon, Kan., and earned her bachelor's degree in animal science and industry in 2000 from the College of Agriculture at K-State.

She will be responsible for assisting with the direction and implementation of a comprehensive development program for raising private support for the College of Veterinary Medicine at K-State.

Megan's husband is Tim. They have an English setter named Scout.



## Under the microscope: Dr. Fernando Alves

Postdoctoral Fellow  
Schultz Laboratory  
Anatomy & Physiology



**Place of birth:** Ribeirão Preto, State of São Paulo, Brazil

**Family information:** I grew-up in a great family: Mom, Dad, two sisters and two brothers. I was the fourth born, my younger brother was the one closest in age and the one who I had the most fun with growing up. My wife, Val, is a fundamental part of my family.

**What do you find to be most exciting about the start of a new school year?** Provided I am full time on the research side of things, my calendar year is little influenced by the typical school calendar. We're here to accomplish at the academic level, by generating and publishing novel scientific information. Therefore, we are excited about the possibility to publish two more original research articles in the upcoming year.

**Name the most recent book you've read:** "Good to Great" by Jim Collins. In my opinion, it contains valuable information about the inner workings of processes that lead to extraordinary development.

**What's your favorite food to have at a picnic?** I am a big fan of good typical American barbecue — items on that neighborhood are great at a picnic.

**What's a hobby or skill you always wanted learn?** Playing the clarinet, a long-term project for fun.

## Big money for scholars



Smiles were plenty for the Veterinary Research Scholars upon receipt of this \$12,000 check from the KC Animal Health Corridor. Pictured left to right are: Emily Archer with Cairo, Andrea Eyer, Jenny Girard, Brian Godsey, Sarah Barron, Craig Pauly, Dr. Lisa Freeman, associate dean for research and associate vice president for innovation for the K-State Olathe campus, and Stephanie Young.

## CVM News Ticker

**Congratulations** to student worker, **Amy Jo Wright**, who is now Mrs. Amy Jo Coltrane. She and her husband Caleb were married Aug. 9 in Ottawa, Kan. The bride and groom are shown displaying a gift of beads from Amy Jo's colleagues in the Development Office, who brought the beads back from New Orleans during the AVMA Convention.



**Dr. Anuradha Ghosh** has joined Dr. Zurek's lab as a postdoctoral research associate and will be working on the ecology of antibiotic resistant enterococci in companion animals.

**Dr. Judy Klimek** spoke July 27-31 at the WVC in Vancouver, on BVDV in North American Beef Cow Herds; Assessing the Economic Impact of BVDV in North America; and BVDV Control Programs in North America.

**Dr. James W. Carpenter** was the past-president/conference chair at the 29th Annual Conference of the Association of Avian Veterinarians and the Association of Exotic Mammal Veterinarians in Savannah, Ga., Aug. 9-14. He also presented a paper, "Pharmacokinetics of Piperacillin/Tazobactam in the Hispaniolan Parrot" (co-authored with **Dr. Ronette Gehring**).

**Dr. Maria Ferrer** presented at the Society for Theriogenology meeting Aug. 12.

## new arrivals welcome

**Takayuki Kudo** - A&P  
**Carl Myers** - DM/P  
**Eugene DeDonder** - VMTH  
**Liqiong Lan** - A&P  
**Maite S. Torres-Irizarry** - VMTH  
**Don Peterson** - DM/P  
**Kevin Skarbek** - VDL  
**Danielle Miller** - DM/P

## recent departures thanks

**Manuel Chamorro Ortega** - VMTH  
**Debra Blanding** - VMTH  
**Justin Rombeck** - VMTH  
**Joshua Hahn** - VMTH