**Recent Presentations**

**Bartges J.** Small animal case studies. Presentation at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Callens A.** Getting on the right track: Urinary tract issues. Presentation at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Kennedy M.** Health Workshop; March 28–April 1, 2011; associated with ranaviral disease. Invited presentation at: North American Veterinary Conference; January 16, 2011; Orlando, FL.

**Miller DL.** February 4, 2011; Redwood City, CA. Evidence for clinical use. Presentation at: Western States Veterinary Conference; January 2011; Williamsburg, VA.

**Sclater J.** Restraint and immobilization of wild sanctuary medicine; Getting hands-on: tigers and bears – Oh my! Large carnivore practical uses for the reptile patient; Lions, tigers and bears – Oh my! Large carnivore. Presented at: Comparative Gastroenterology Society Scientific Sessions; March 25, 2011; Atlanta, GA.

**Pedigo A.** Aldrich T. Odyssey A. Neuroradiology for canine otitis. Presentations at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Frank L.** Alopexia–Is it hormonal? The itchy cat; Managing canine otitis. Workshop presented at: Southeastern Partiners in Amphibian and Reptile Conservation Annual Meeting; February 13, 2011; Palmetson North, New Zealand.

**Davis J.** Dermatology techniques and special tips lab. Presentation at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Palmerston North, New Zealand.** Annual Conference; February 13, 2011; Palmetson North, New Zealand.

**Hecht S.** Small animal applications of magnetic resonance imaging–Update. Presentation at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Kennedy M.** Immunology. Lectures presented at: Western States Veterinary Conference; February 24, 2011; Las Vegas, NV.

**LeBlanc A.** PET/CT in veterinary oncology: Evidence for clinical use. Presentation at: National Carolina Oncology Forum; February 4, 2011; Redwood City, CA.

**Miller DL.** Gray MJ. Duffus ALJ, Gray MJ. Ecology and pathology of ranaviruses. Workshop presented at: Southeast Partners in Amphibian and Reptile Conservation Annual Meeting; February 2011; Louisville, MS.

**Reptile & Comparative Pathology Society Conference**

**Callens A.** Restraint and immobilization of wild sanctuary medicine; Getting hands-on: tigers and bears – Oh my! Large carnivore. Presented at: Comparative Gastroenterology Society Scientific Sessions; March 25, 2011; Atlanta, GA.

**Pluchino L.** Wang H-CR. The role of HsOS1B2 in the regulation of cellular properties. Poster presented at: The University of Tennessee/Oak National Laboratory Graduate School of Genome Science & Technology Annual Retreat; March 4, 2011; Knoxville, TN. Abstract 26.

**Rathore K.** Wang H-CR. Green tea catechins at non-cytotoxic levels suppress cellular carcinogenesis induced by environmental carcinogens. Poster presented at: The University of Tennessee/Oak National Laboratory Graduate School of Genome Science & Technology Annual Retreat; March 4, 2011; Knoxville, TN. Abstract 27.

**Schumacher J.** There is a snake in room #86: Handling and clinical procedures for wildlife snakes; Hypothermia is not an appropriate reptile anesthesia: Reptile anesthesia and analgesia; A review of selected surgical cases in reptiles; Ultrasound and CT. Practical uses for the reptile patient; Lions, tigers and bears – Oh my! Large carnivore. Presented at: Comparative Gastroenterology Society Annual Conference; March 11; Manuel Antonio, Costa Rica.

**Wilson M.** Small animal oncology: The veterinarian’s role. Poster at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Wyatt K.** Small animal behavior rounds–How the veterinary technician can be involved. Lab presented at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Wells J.** Acute renal failure. Presentation at: UTCVM Annual Conference; February 2011; Knoxville, TN.

**Whittemore J.** Presumptive steroid hepatotoxicity in dogs and cats. Presented at: International Ruminant Veterinary Conference; January 2011; Orlando, FL.

**Shearer JK.** Pathogenesis of DVMs actively engaged in scientific discovery and contributing to our global health. How do we in the UTCVM help increase the number of DVMs actively engaged in scientific discovery and contributing to our global health? We have a small research footprint compared to many other colleges of veterinary medicine, and we lack the engine of robust local biomedical research environment often provided by larger medical schools; so we need to build a strength internally (difficult to imagine more than one or two overlapping) and/or develop stronger collaborative ties with our neighbors, which will happen only when they understand what we have to offer. In summary, we can do a lot to increase our own competitive and graduate training within the CVM, and the introduction of a fresh perspective in the form of a new Associate Dean for Research will no doubt help realign our efforts and strengthen our programs.

**OIT’s Analysis System Offers Variety of Research Software for Little to Nothing**

The Office of Information Technology (OIT) at UT offers the analyses.utk.edu system, which allows users to run both quantitative and qualitative research analysis software as if it were local on their own computer. This software runs on a server and displays an image of the user’s computer. With it, users may open and save files on their own computer’s disk drive and print to their own printer, and it works from any Windows, Macintosh, Linux, or Solaris computer. Students may access these tools using their Net ID and password. Faculty and staff must purchase a client license through the Bookstore Technology Center for a one-time fee of $17. Software available on Analysis includes Amos, ATLAS.ti; Clementine, EQS; ImageJ, Mathematica, MATLAB, Mestrenova, Mplus, N6/NUP*IST, Origin, QDA Miner, R, SAS, SAS Enterprise Guide, SAS Enterprise Miner, SAS Text Miner, Scientific Notebook, SigmaPlot, SigmaScan, Statist, SPSS, Stata, and SUDAAN. E-mail StatHelp@utk.edu if problems are encountered in accessing the software.
Newkirk’s award will allow easy Web-based access to gross pathology images for faculty to use in teaching. A self-quiz feature will allow veterinary students to enhance their classroom learning of pathology. Her project title is “Development of a Web-based search engine for pathology images.”

Whitlock’s plan, “Mobile teaching and learning module for VM939 (Field Services),” is to develop a clinical, case-based learning module with interactive comprehension assessments that can be used in a mobile (truck) environment like the one the recipients described. Students spend time traveling from farm to farm, and the program will increase student opportunities to learn about equine medicine at a time when economic uncertainty is slowing the incoming caseload.

**Recent Publications**


[Available online at PubMed.]


Kalkc, Newkirk, Whitlock Recipients of ITC Faculty First Grants

The Innovative Technology Consulting division at UT accepts proposals each year for projects involving technology in teaching. Two recipients of this year’s grants are Large Animal Clinical Sciences faculty Dr. Karen Kalkc and Dr. Brian Whitlock and Pathology Faculty Dr. Kim Newkirk.

Kalkc’s project, entitled “Choose your own adventure in equine medicine,” will allow veterinary students to encounter cases through Web-based modules developed from previous hospital cases. The format will include rewards and challenges for veterinary students spending time practicing, and the program will increase student opportunities to learn about equine medicine at a time when economic uncertainty is slowing the incoming caseload.

Newkirk’s award will allow easy Web-based access to gross pathology images for faculty to use in teaching. A self-assessment feature will allow veterinary students to enhance their classroom learning of pathology. Her project title is “Development of a Web-based searchable archive for pathology images.”

Whitlock’s plan, “Mobile teaching and learning module for VM893 (Field Services),” is to develop a clinical, case-based learning module with interactive comprehension assessments that can be used in a mobile (truck) environment like the one our veterinary technicians use for transports. The objective is to reduce time driving from farm to farm. The assessment portion of the project will allow Whitlock to evaluate student comprehension in the field and in the classroom, as well.

Recent Publications


Hecht S. MRI diagnosis: Ventral intraspinal cyst in a dog. American College of Veterinary Radiology CT/MRI Society Case of the Month. Available at:


Discovery: Research at the University of Tennessee College of Veterinary Medicine (2011) 6.1

Research Resource Spotlight

PMID to PMCID Converter

All NIH-funded research articles are now required to be deposited in PubMed Central. Most journals provide this service free to authors; others require the authors to pay if they wish to use the service; and still others require the authors to submit the articles to PubMed Central themselves.

These PubMed Central identification numbers (PMCs) must then be included in NIH grant applications and progress reports when an author references his or her own NIH-funded publications, both in the references section and in the biosketch.

The National Center for Biotechnology Information (NCBI) offers a PubMed ID (PMID) to PMCID converter for easier reporting. This converter will return results for up to 2,000 PMCs in either PMCs or NIHMS IDs, if they exist. PubMed users may perform a search of their published articles and produce a PMID list to copy and paste into the converter by choosing “PMID List” from the “Format” options in the “Display Settings” drop-down arrow located at the top of the search results page.


CEMPH Research Symposium June 20 & 21

This year’s Comparative & Experimental Medicine and Public Health Research Symposium will take place on June 20 & 21 in the Veterinary Medicine Building.

Once again, we expect around 100 new investigator presentations related to human and animal health, with presenters from four different UT campuses. The format for these talks will be 10-minute oral presentations, followed by 5 minutes for questions.

Of the four featured speakers, we are especially excited to welcome Dr. Franceszia Grieder, Director of the Division of Comparative Medicine at the National Center for Research Resources (NIH). Dr. Grieder will present “One health, one medicine: Veterinary research scientists for the 21st century” on Monday morning.

Information about other speakers, as well as the call for abstracts, may be found at http://www.vet.utk.edu/research/symposium/. We will continue to update the Web site with more information as it becomes available.

Open Access Publishing Support Available

Publishing in an open-access journal is easier than ever thanks to the UT Office of Research and University Libraries. They are continuing to offer up to $3,000 per article toward article-processing fees for open-access publishing.

Applications are funded on a first-come, first-served basis, and authors must request a waiver or reduction of fees from the publisher before applying for this internal award.

More information, as well as the application form, may be found at http://www.lib.utk.edu/openpub/program.html.

UFTCM Investigators Bring in $860,664 for Recent Sponsored Projects

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Investigation of a novel approach to forensic analysis using neutron imaging techniques

Mechanisms in herpetic keratitis

Fregulatory cells in HSV immunity and immunopathology