Fall 2012

Discovery Fall 2012

Misty Bailey

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Recommended Citation
Bailey, Misty, "Discovery Fall 2012" (2012). Discovery Research Newsletter.
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Recent Publications


DeVaux JL, Whiting B. Selection as Editorial Board Member for the Journal of Veterinary Science Education. Vet Med Assoc 2012, and her 5-year, 3-month term will begin in July 2013.


Hurst SE, Minkin SC, Biggerstaff J, Hecht S. Transient silencing of a type IV P-type ATPase, Atp10c, results in decreased glucose uptake in C2C12 myotubes. J Nut Metab 2012;Article ID 152902.


Publications, cont. from p. 2


Cekanova Proposal Earns Neutron Imaging Beam Time at ORNL Facility

Dr. Maria Cekanova’s project on “Neutron imaging of normal and tumor breast tissues” was selected by Oak Ridge National Laboratories (ORNL) to receive 3 days of beam time on the Neutron Imaging Prototype Station, which is a part of ORNL’s High Flux Isotope Reactor.

The imaging station allows neutron scattering research into the fundamental properties of condensed matter. The reactor itself is one of the most powerful steady-state neutron fluxes of any research reactor in the world and uses highly-enriched uranium-235 as fuel.

Recent Presentations

Adams JK, Coan PN. Developing an institutional environmental enrichment program. Presented at: Enrichment Extravaganza, Emory University; April 2012; Atlanta, GA, and American College of Laboratory Animal Medicine Forum; May 2012; St. Pete Beach, FL.


Anderson D. Bovine anesthesia and surgery. Presented at: Central Veterinary Conference; Aug. 2012; Kansas City, KS.


Baek SJ. Animal models in cancer research; Inflammation and cancer; Phytochemistry in cancer prevention. Presented at: Center of Excellence in Drug Discovery and Development; Aug. 2012; Khonkaen and Bangkok, Thailand.


Craig L. Effective lecture delivery. Invited lecture at: University of Illinois College of Veterinary Medicine; Apr. 2012; Urbana, IL.

Cui M-Z. Lysophosphatidic acid signaling in vascular smooth muscle cells. Plenary talk at: 2nd World Congress on Clinical & Experimental Cardiology; Mar. 2012; Omaha, NE.

Dhar M. From diabetes to tendon damage repair: Importance of animal models in research. American Association of Laboratory Animal Science Training Session, University of Tennessee; June 2012; Knoxville, TN.


Emery LC, Cox SK, Souza MJ. Pharmacokinetics of nebulized terbinafine in Hispaniolan Amazon parrots. Presented at: Annual Conference of the Association of Avian Veterinarians; Aug. 2012; Louisville, KY.

Favi PM, Stephens C, Neilsen N, Hammonds R, Benson R, Dhar M. Proliferation, osteogenic and chondrogenic differentiation of equine-derived bone marrow mesenchymal stem cells on bacterial cellulose scaffolds Poster presented at: Annual Experimental Biology Meeting; Apr. 2012; San Diego, CA.

Fonseca Pinto ADBC, Hecht S. Magnetic resonance imaging (MRI) of the brain in small animals – Evaluation of sequences and protocol recommendations. Presented at: IVRA/EAVDI/ECVDI Scientific Meeting; August 2012; Bursa, Turkey, and American College of Veterinary Radiologists Annual Scientific Meeting; Oct. 2012; Las Vegas, NV.

Frank L. Feline dermatology. Workshop presented at: European Society of Veterinary Dermatology; May 2012; Mallorca, Spain.

Gray MJ, Waltzek TB, Miller DL. Ranaviruses can be transmitted across ectothermic vertebrate classes. Presented at: Southeastern Partners in Amphibian and Reptile Conservation; Feb. 2012; Fall Creek Falls, TN.

Hecht S. Comparative imaging in veterinary oncology and the role of the veterinary technician in imaging of the oncologic patient. Keynote address at: Veterinary Technician Forum, Annual Conference of the Veterinary Cancer Society; Oct. 2012; Las Vegas, NV.

Hecht S, Huerta MM, Reed RB. Magnetic resonance imaging (MRI) spinal cord and canal measurements in normal dogs. Presented at: IVRA/EAVDI/ECVDI Scientific Meeting; August 2012; Bursa, Turkey, and American College of Veterinary Radiologists Annual Scientific Meeting; Oct. 2012; Las Vegas, NV.

Hecht S, Ramsay EC, Schumacher J, Thomas WB, Adams WH, Conklin GA. Magnetic resonance imaging (MRI) of the central nervous system in large felids. Presented at: IVRA/EAVDI/ECVDI Scientific Meeting; August 2012; Bursa, Turkey, and American College of Veterinary Radiologists Annual Scientific Meeting; Oct. 2012; Las Vegas, NV.


Kennedy M. Update on canine viruses; Update on feline viruses; FIP, the ultimate hypersensitivity; Immunology for dummies; Viral diagnostics: What you need to know. Invited presentations at: Atlantic Coast Veterinary Conference; Oct. 2012; Atlantic City, NJ.

Kennedy M. Update on feline viruses; Update on FIP. Invited presentations at: 24th Annual Fred Scott Feline Medicine Symposium, Cornell University; July 2012; Ithaca, NY.

[cont. on p. 6]
Discovery: Research at the University of Tennessee College of Veterinary Medicine (2012) 7.2

DVM Student McRee Funded to Study Canine Pathogens in Zimbabwe

M. Anna E. McRee, student in the UTCVM class of 2014, received a grant to study exposure of domestic dogs in Zimbabwe to important canine pathogens on communal lands.

Madhu Dhar, an associate professor in the Department of Biomedical and Diagnostic Sciences, was recently approved by the journal's editorial board in September to serve as a member of the editorial board for the journal’s 1st ed. Ronkonkoma, NY: Linus Publishing, 2012. 9 pp.

The table is organized by the type of information the user wishes to display: Mousing over each "element" shows an example of what that method might look like and how it might be applied.

To access the table, go to: http://www.visual-literacy.org/periodic_%3A_table/

Research Resource Spotlight

Alternative Periodic Table Fast Way to Determine Options to Graphically Display Data

A new twist on the familiar visually-appealing and perhaps even new period table shows options representation. Put together by the group for conceptualization of data in a visual Behind-Visual-Literacy.org, the "Periodic Table of Visualization Methods" is available free online.

Full details about all two presentations may be found in the Publications section of this newsletter.

UCVM Investigators Bring in $2,885,365 for Recently Sponsored Projects

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McEntee Named Associate Dean for Research

The interim title has been removed, and Dr. Michael McEntee has officially been appointed associate dean for research for the College of Veterinary Medicine, announced Dr. James Thompson, dean, in September. McEntee began his appointment effective October 1, 2012. He began overseeing the UTCVM Office of Research in an interim role in February 2011. 2012 marks McEntee’s leadership role in his efforts to advance our research program. McEntee will also continue his administrative responsibilities as Department Head of Biomedical and Diagnostic Sciences.

A new directorship position has also been created to coordinate and advance the Comparative and Experimental Medicine (CEM) graduate degree program. Dr. Stephen Kania will work with the UT Graduate School, program staff, the Joint Graduate Committee, CET faculty, and McEntee to increase the breadth and depth of graduate studies related to basic, translational, and clinical science research. Kania has a long history of close involvement with CET.

Hill Selected for AVMA Future Leaders Program

Dr. William Hill, clinical associate professor in the Office of Lab Animal Care, is one of 10 veterinarians selected to participate in the American Veterinary Medical Association’s (AVMA) Future Leaders Program. This program, created by the AVMA and supported by Pfizer Animal Health, is described as a means to identify and sustain veterinary leaders for all levels of organized veterinary medicine. The year-long program provides each participant (selected in part for their existing leadership accomplishments) with an opportunity to enhance their leadership skills and create useful tools for the wider veterinary profession. The AVMA describes the program as unique in that it takes a holistic approach to leadership. Its goal is to develop the strengths and talents of emerging leader veterinarians, promoting their leadership skills for the benefit of the veterinary workplace, organized veterinary medicine, and society as a whole.

Participants were selected based on their impressive achievements, from approximately 60 AVMA member nominees who had graduated from veterinary schools within the last 15 years. Dr. Hill is a graduate of North Carolina State University College of Veterinary Medicine.