# Discovery Fall 2009

Misty Bailey  
*Editor*

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Recent Presentations

Egger CM, Qu W, Johnson SA. Development of sustained release formulations of buprenorphine in dogs: pharmacokinetics and pharmacodynamics. At: American College of Veterinary Anesthesiologists/International Veterinary Emergency and Critical Care Symposium; September 11, 2009; Chicago, IL.


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Publications, cont. from p. 2


Tobias KM. Manual of Small Animal Soft Tissue Surgery. Ames, IA: Wiley-Blackwell; 2010. [Students from the class of 2008 soft tissue surgery elective course were contributing authors for 17 chapters; class of 2009 students edited chapters.]

Odoi A. GIS technology in veterinary research and practice: how useful is it? Invited seminar at: Faculty of Veterinary Medicine, Makerere University; August 27, 2009; Kampala, Uganda.

Pedago A, Odai O. Geographic access to myocardial infarction and stroke care in Tennessee. At: ESRI Health GIS Conference; September 21-23, 2009; Nashville, TN.


Peek J, Whitlock B, Prado T. Feline ovarian remnant syndrome. At: Society for Theriogenology & American College of Theriogenologists Annual Conference; August 2009; Albuquerque, NM.


Love L, Egger CM, Doherty T, Rohrbach B. The effect of ketamine on the MACBAR of sevoflurane in dogs. At: American College of Veterinary Anesthesiologists/International Veterinary Emergency and Critical Care Society meeting; September 11, 2009; Chicago, IL.


Newman S. A unique presentation of rabies in a horse. At: Midwest Pathology Meeting; August 13–14, 2009; Turkey Run State Park, IN.

The Facilities and Other Resources section will require an explanation of how the scientific environment will contribute to the success of the project, and the Biosketches will include a new personal statement and will limit publications to 15. Publications should be chosen based on recency, relevance, and importance.

NIH Restructures Applications for Jan. 25 Submissions

As of January 25, 2010, faculty applying for NIH grant awards will see some changes. The changes are to align the new peer review criteria (see winter 2008/2009 issue of Discovery) to the content of the applications and to reduce the size of the applications.

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Section headings will also change, according to the following table:

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<thead>
<tr>
<th>Background &amp; significance</th>
<th>• Research strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary studies/Progress report</td>
<td>• Significance</td>
</tr>
<tr>
<td>Research design &amp; methods</td>
<td>• Innovation</td>
</tr>
<tr>
<td>• Approach</td>
<td></td>
</tr>
<tr>
<td>• Preliminary studies (new appl.)</td>
<td></td>
</tr>
<tr>
<td>• Progress report (renew/revise appl.)</td>
<td></td>
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Popular Journal Publisher Starts Plagiarism Detection

Lippincott Williams and Wilkins (LWW) e-publishes over 300 journals, including Anesthesia and Analgesia; Arteriosclerosis, Thrombosis, and Vascular Biology; Current Opinion in Infectious Diseases; and Epidemiology.

Now, LWW will also be scanning submissions to some of these journals with a plagiarism detection program. According to LWW, the CrossCheck program database contains over 20 million journal articles with which to compare new submissions.

The new system has been put into place to curtail the growth in plagiarism that has occurred as a result of electronic access to scientific information.

CrossCheck works by compiling a similarity report that shows originality and a detailed summary of any text found to match sources in the database. The system also has the ability to exclude direct quotes from the report.

The company warns, however, that the system is used as a preliminary screening tool; a high similarity report indicates only that the publisher should take a closer look at what was submitted, not necessarily that plagiarism took place. Red-flag manuscripts are further reviewed by LWW staff. 
Agricola Odol and colleagues from Colorado State University and USDA organized an investigative workshop titled “Modeling the Impact of Cattle Movements on Transmission of Veterinary Agnosomas.”

The workshop, which attracted scientists from around the globe, was sponsored and hosted by the National Institute for Mathematical and Biological Synthesis (NIMBioS) and was held at the University of Tennessee, Knoxville, July 7-9, 2009. In keeping with the NIMBioS focus, the workshop involved talks about how mathematical modeling might affect disease transition models to help reduce the spread of bovine TB. Details are available at www.nimbios.org/workshops/WS_BovineTB.html.

Recent Publications


Schuller’s application, entitled “Modulation of cancer prevention by social stress,” focuses on how chronic psychological stress might stimulate the development and progression of cancer, thus counteracting the effects of cancer preventive agents, particularly in humans and non-human primates.

Dr. Schuller is a distinguished professor in the Department of Pathobiology and has been funded as an independent investigator by the NIH since 1986.

Bovine TB Investigative Workshop Held

D L Love Wins Resident Abstract Award

Linda Love, resident in the Large Animal Clinical Sciences Department, placed third in the resident abstract competition at the recent American Association of Veterinary Anesthesiologists' International Veterinary Emergency and Critical Care Symposium in Chicago.

Her abstract was titled “The effect of ketamine on the MACBAR of "isoflurane in dogs" and was co-authored by Egger CM, Doherty T, and Rorhrbach B. The abstract is a result of Love’s residency project.

Fraudulent Elsevier E-Mails Circulating

Publisher Elsevier wants its authors to know that several fraudulent E-mails have been circulating that appear (falsely) to originate from Elsevier.

These E-mails have subject lines reading: "Submission, "Call for Papers," and "Editorial/Reviewer Appointment" and are asking authors to either pay a handling fee for article processing or to pay a fee to sign up as a reviewer.

Elsevier is investigating the origin of the E-mails but warns its authors that communication from Elsevier will not come from E-mails ending in .edu, .net, or any other free E-mail service.

Authors with more than one article may request funds more than once as a long as separate application is filed. Publisher recommends not responding to the E-mails.

Instead, Elsevier has set up a fraudulent E-mail system to which these messages may be forwarded: elsemailbase@elsevier.com.

As with other phishing E-mails, the E-mails or opening any attachments or links. Instead, Elsevier has set up a fraudulent E-mail system to which these messages may be forwarded: elsemailbase@elsevier.com.

UCVM Faculty Eligible for Open Access Publishing Support Funds

Publishing in an open access journal just got even better–UCVM faculty are eligible to apply for university funds that cover open access article processing fees up to $3,000.

To be eligible for the funds, faculty should take these steps to apply:

• Request a waiver or reduction of charges from the publisher.

• Apply before an article has been accepted or immediately thereafter.

Faculty with sufficient funding from grants or contracts are encouraged not to request funds in order to allow others to share in the benefit of open access.

Any open access publication will be considered, and a list of publishers who provide open access is available on the fund’s Web site, along with the application form: http://www.lib.utk.edu/openpub/program.html.

October 19-23 is Open Access Week, so celebrate by submitting to an open access journal and requesting funding from UT’s open access support fund.

UCVM Investigators Bring In Over $1.2 M for Recent Sponsored Projects

Discovery: Research at the University of Tennessee College of Medicine (2009) 4.2

Schuller Research Project Receives Prestigious NIH Challenge Grant Award

In April, the scramble was on around the country for researchers to apply for a piece of the millions of dollars in new NIH Challenge Grant funds, made possible by the American Recovery and Reinvestment Act (ARRA).

At the end of the funding cycle, 20,000 applications were received, but only 841 were funded–an approximate 4% payline and a dismal funding rate compared to the usual 10%.

Dr. Hildegard Schuller’s application was one of those funded grants, and the only one funded from UT Knoxville. In addition, it was one of only 152 in the country to be funded at the full level of $1 million over 2 years.

Schuller’s application, entitled “Modulation of cancer prevention by social stress,” focuses on how chronic psychological stress might stimulate the development and progression of cancer, thus counteracting the effects of cancer preventive agents, particularly in humans and non-human primates.

Dr. Schuller is a distinguished professor in the Department of Pathobiology and has been funded as an independent investigator by the NIH since 1986.

Table 1. Type $ Amount

Type $ Amount

Pharmacokinetics of morphine, butorphanol, meloxicam, and tramadol pain relievers in bearded dragons (Pogona vitticeps)

C Greenacre Morris Animal Foundation 10/1/09 1/1 30,927

Veterinary career pathways for under-represented minorities: enhancing veterinary admissions success

WA Hill North Carolina State University 4/1/09 1/1 5,400

Developing non-surgical pet contraceptives

T Martinez Morris Animal Foundation 10/1/09 3/3 12,145

The GABA-B-R-mediated prevention of pancreatic cancer

HM Schuller NIH 9/30/09 1/2 294,088

Modulation of cancer prevention by social stress

HM Schuller NIH 9/30/09 1/2 500,000

Terrestrial mammal health studies

MJ Souza Private industry 7/8/09 1/1 32,850

Pharmacokinetics and pharmacodynamics of Tamoxifen in humans and non-human primates

MJ Souza Morris Animal Foundation 7/1/09 1/1 56,536

The role of the new zeta cleavage in A beta formation

X Xu NIH 4/9/09 1/3 291,365
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Developing non-surgical pet contraceptives | LC Mendi-Handagama | Alliance of Women Philanthropists–Giving Circle | 9/1/09 | 1/1 | 18,000
The GABA-B-R-mediated prevention of pancreatic cancer | HM Schuller | NIH | 9/30/09 | 1/5 | 294,088
Modulation of cancer prevention by social stress | HM Schuller | NIH | 5/30/09 | 1/2 | 500,000
Terrestrial mammal health studies | MI Souza | Private industry | 7/8/09 | 1/2 | 32,850
Pharmacokinetics and pharmacodynamics of Tramadol HCL in Hispaniolan Amazon parrots | MI Souza | Morris Animal Foundation | 7/1/09 | 1/1 | 56,536

The role of the new zeta cleavage in Albeta formation | MJ Souza | Private industry | 7/1/09 | 1/1 | 33,991

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Other portions of the application package will be renumbered, making any previous instructions obsolete. The new application packages will be made available in December 2009, and faculty should download a new application package and new instructions for all submissions due Jan. 25 or later. Previous application forms will be automatically rejected by Grants.gov.

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