Newman SJ, Jankovsky J, Rohrbach BW, LeBlanc AK. Oit in canine mucocutaneous melanomasarcomas. Poster presented at: American Association of Veterinary Dermatologists Annual Meeting; November 2010; Minneapolis, MN.

Newman SJ, Jankovsky J, Rohrbach BW, LeBlanc AK. Oit in canine mucocutaneous melanomasarcomas. Oral presentation at: American College of Veterinary Pathologists Annual Meeting; October 2010; Baltimore, MD.

Novak JM, McQueen TD, Moore JD, Saputo J, Uzel FA, Craig LE. Histologic characterization of Lasioderma tritici-induced canine hemorrhagic gastroenteritis. Presented at: American College of Veterinary Pathologists Annual Meeting; October 2010; Baltimore, MD.

Peretz R, Narak J. Intravenous safety of brilliant blue G in the normal dog. Presented at: South Eastern Veterinary Neurology Society Meeting; September 2010; Athens, GA.

Ramsay EC, Craig L, Henry G. Intravenous safety of brilliant blue G in the normal dog. Presented at: South Eastern Veterinary Neurology Society Meeting; September 2010; Athens, GA.

Ramsay EC, Craig L, Henry G. Not all radiolucrency is osteomyelitis: A case report of an African elephant (Loxondonta africana). Presented at: American Association of Zoo Veterinarians & American Association of Wildlife Veterinarians’ Joint Conference; October 2010; South Padre Island, TX.

Roberson J. Mastitis treatment efficiency: Are we making progress? Mastitis control. Do the old ways still work? Small random parasite control; Food animal pathology: Parts I and II; Farm animal production medicine: Parts I and II. Presented at: Central Veterinary Conference (CVC) San Diego; October 2010; San Diego, CA.

Roberson J, Gomez de Witte F, Sick cria in the Tennessee Butt: The Tennessee method. Presented at: Central Veterinary Conference (CVC) San Diego; October 2010; San Diego, CA.

Solyman S, Kania S, Bemis D. Study of populations genetic structure in Staphylococcus pseudintermedius. Oral presentation at: Kentucky Academy of Science/Kentucky Tennessee Branch of the American Society of Microbiology meeting; November 2010; Bowling Green, KY.

Tobias K. Gastrointestinal surgery and portosystemic shunts. Lecture presented at: Memphis/Tunica Veterinary Medical Association Annual Meeting; November 2010; Tunica, MS.


Wang H-CR. Reactive oxygen species-mediated selective apoptosis of oncogenic Ras-expressing cancer cells. Invited oral presentation at: China Medical University, October 29, 2010; Taichung City, Taiwan.


Wang H-CR. Reactive oxygen species-mediated selective apoptosis of oncogenic Ras-expressing cancer cells. Invited oral presentation at: BIT’s 8th Annual Congress of International Drug Discovery and Technology, October, 2010; Beijing, China.

Wang H-CR. Veterinary education in the USA: Reactive oxygen species-mediated selective apoptosis of oncogenic Ras-expressing cancer cells. Invited oral presentations at: Xijiang Agricultural University College of Veterinary Medicine; October 20, 2010; Urumqi City, Xinjiang Province, China.


Wellborn M. Update on zoonotic and foreign animal diseases; Die-n ing on these plans would be hazardous to your patient’s health. Presented at: Tennessee Veterinary Technicians Association Fall Conference; October 2010; Pigeon Forge, TN.
Six biologists who have served on grant panels or as program officers talk about content, format, and relationships with the grant program director in their fateful article “How to Fail in Grant Writing.” Although almost a cynical collection of pet peeves, the article does offer some sound advice on opposites.

Below are a few of the better techniques listed for improving the chances of grant rejection:

- On content: “Make sure that the feasibility of your proposal’s second and third objectives depends on a particular result from your first objective”
- On format and style: “Reviewers love 10-point, serif fonts. Use larger fonts for subheadings, and single-space your text.”

To perform an advanced search and save not only the results but also the search itself for use later on. By choosing to receive weekly e-mail alerts based on a saved search, users can feel certain they are not missing out on opportunities that might cater to their needs.

To help the best results from COS is to develop a carefully-crafted list of broad keywords and perform an advanced search. The best searches are those that use general terms. For example, a search using “Staphylococcus aureus” yields only three results, but a search for “bacteria” gives 23.

To learn more about COS, visit www.cos.com, or talk to Tammy Berry about funding opportunities (tberry@utk.edu; 974-5572).

Coryneform bacteria associated with atopic dermatitis in feline skin: Implications for an atopic etiology in cats

Kania SA, Frank LA, Aalbaek B, Phipps JE, Mihm MS, Newman SJ

Recent Publications


Lee SH, Bahn JH, Whitchock NC, Baek SJ. Activating transcription factor 2 (ATF2) controls tolfenamic acid-induced ATF3 expression via heat shock factor 2 (ATF2) controls tol.


The newly-formed Research Committee at the UTCVM is charged with promotion of quality research programs within the college. Established last summer, the committee will serve as an advisory group to the associate dean for research and graduate studies and to the dean on the following matters: college research policies, promoting and funding a diverse research program, awards given by the research office, UTCVM core research facilities, compilation of a list of research opportunities, and the Comparative & Experimental Medicine and Public Health Research Symposium.

The Research Committee has 10 members: two from each UTCVM department, one from the Animal Science Department, and the associate dean for research and graduate studies. Current committee members include Drs. Joe Bartges (chairperson), Seung Baek, David Brian, Madhu Dhar, Nicholas Frank, Stephen Kania, Amy LeBlanc, Stephen Oliver, and Hwa-Chain Robert Wang, in addition to Dr. Leon Potgieter. Term limits are in place for all departmental representatives, but voting on committees reports to the Executive Committee of the college.

UTCVM Investigators Bring in $254,554 for Recent Sponsored Projects

<table>
<thead>
<tr>
<th>Title</th>
<th>PI</th>
<th>Agency</th>
<th>Start</th>
<th>Type</th>
<th>$ Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation of cranberry-derived proanthocyanidins for prevention and treatment of induced Escherichia coli urinary tract infection in dogs</td>
<td>Bartges</td>
<td>Nutramax Laboratories</td>
<td>10/1/10</td>
<td>1/1</td>
<td>39,669</td>
</tr>
<tr>
<td>Pilot efficacy study: Field efficacy evaluation of Spinosaust paste formulations for clinical improvement in wound healing</td>
<td>Mohling</td>
<td>Eli Lilly and Co.</td>
<td>12/1/10</td>
<td>1/1</td>
<td>133,125</td>
</tr>
<tr>
<td>Safety and efficacy of a novel anthracine, AD198, in dogs with refractory lymphoma</td>
<td>A Legendre</td>
<td>Morris Animal Foundation</td>
<td>10/1/10</td>
<td>1/1</td>
<td>54,000</td>
</tr>
<tr>
<td>The use of Webinar technology for conducting study sessions</td>
<td>M Sims</td>
<td>UT Office of Information Technology</td>
<td>1/1/11</td>
<td>1/1</td>
<td>3,000</td>
</tr>
<tr>
<td>Evaluation of topical delivery methods for the introduction of siRNA into feline corneal cells in vivo</td>
<td>R Wilkes</td>
<td>Winn Feline Foundation</td>
<td>12/1/10</td>
<td>1/1</td>
<td>24,780</td>
</tr>
</tbody>
</table>

Community of Science: Grant-finding Tool

All faculty, staff, and students at the university have access to one of the best grant-finding tools available: Community of Science (COS). Its “Searching Funding Opportunities” feature provides information about federal, private, and industry grants for research, graduate studies, and travel.

The COS interface allows the user to perform an advanced search and save not only the results but also the search itself for use later on. By choosing to receive weekly e-mail alerts based on a saved search, users can feel certain they are not missing out on opportunities that might cater to their needs.

To help the best results from COS is to develop a carefully-crafted list of broad keywords and perform an advanced search. The best searches are those that use general terms. For example, a search using “Staphylococcus aureus” yields only three results, but a search for “bacteria” gives 23.

To learn more about COS, visit www.cos.com, or talk to Tammy Berry about funding opportunities (tberry@utk.edu; 974-5572).

Samar Solyman received first place for her oral presentation in the microbiology division of the graduate student competition at the Kentucky Academy of Science/Kentucky Tennessse Branch of the American Society of Microbiology meeting. She was the only non-Kentucky graduate student to win an award. Solyman is a PhD candidate working with Dr. Stephen Kania, who was a co-author, along with Dr. David Benis, on the presentation entitled “Study of population genetic structure in Staphylococcus pseudintermedius.”
On your grant program director: “Always keep in close communication with the program director managing your proposal, especially in those critical few days right after the panel meets to review the proposals. Multiple e-mails during that period are OK, but telephone calls really get their attention.”


Discovery: Research at the University of Tennessee College of Veterinary Medicine (2010) 5.3

Community of Science: Grant-finding Tool

All faculty, staff, and students at the university have access to one of the best grant-finding tools available: Community of Science (COS). Its “Searching Funding Opportunities” feature provides information about federal, private, and industry grants for research, graduate studies, and travel.

The COS interface allows the user to perform an advanced search and save not only the results but also the search itself for use later on. By choosing to receive weekly e-mail alerts based on a saved search, users can feel certain they are not missing out on opportunities that might cater to their needs.

The key to getting the best results from COS is to develop a carefully-crafted list of broad keywords and perform an advanced search. The best searches are those that use general terms.

For example, a search using "Staphylococcus aureus" yields only three results, but a search for “bacteria” gives 23.

To learn more about COS, visit www.cos.com, or talk to Tammy Berry about funding opportunities (tberry@utk.edu; 974-5572).
Recent Presentations


Businge D, Pedigo A, Odoi A. Does where you live affect your access to health care and heart attack care? The Middle Tennessee Case. Presented at: The Ninth Annual Middle Tennessee Forum on Geographic Information Systems; November 2010; Murfreesboro, TN.

Craig L. Potomac horse fever abortion: Placenta and fetus mystery slide seminar; Lecturing for the short attention span. Presented at: 61th Annual Meeting of the American College of Veterinary Pathologists; November 2010; Baltimore, MD.

Frank L. Alopecia – Is it hormonal?, Alopecia: Invited presentations at: International Congress of Veterinary Endocrinology; November 2010; Buzios, Brazil.

Harris BJ, Lumley RJ, Cekanova M, Dalhaimer P. Micron-length cylinders that wrap-up malignant B-lymphocytes from lymphomic BALB/c mice. Presented at: American College of Veterinary Pathologists Annual Meeting; October 2010; Baltimore, MD.

Novak JM, McQueen TD, Moore JD, Saputo J, Uthal FA, Craig LE. Histologic characterization of Clastodermia C4-induced canine hemorrhagic gastroenteritis. Presented at: American College of Veterinary Pathologists Annual Meeting; October 2010; Baltimore, MD.

Perez R, Narak J. Intravenous safety of brilliant blue G in the normal dog. Presented at: South Eastern Veterinary Neurology Group Meeting; September 2010; Athens, GA.

Ramsay EC, Craig I, Henry G. Not all radiolucrency is osteomyelitis: A case report of an African elephant (Loxodonta Africana) with a P3 lesion. Presented at: American Association of Zoo Veterinarians & American Association of Wildlife Veterinarians’ Joint Conference; October 2010; South Padre Island, TX.

Roberson J. Mastitis treatment efficacy: Are we making progress?, Mastitis control. Do the old ways still work?, Small random parasite control; Food animal neurology: Parts I and II; Farm animal production medicine: Part I. Presented at: Central Veterinary Conference (CVC) San Diego; October 2010; San Diego, CA.


Solmany S, Kania S, Bemis D. Study of populations genetic structure in Staphyloccocus pseudintermedius. Oral presentation at: Kentucky Academy of Science/Kentucky Tennessee Branch of the American Society of Microbiology meeting; November 2010; Bowling Green, KY.

Tobias K. Gastrointestinal surgery and portosystemic shunts. Lecture presented at: Memphis/Tunica Veterinary Medical Association Annual Meeting; November 2010; Tunica, MS.


Wang H-CR. Reactive oxygen species-mediated selective apoptosis of oncogenic Ras-expressing cancer cells. Invited oral presentation at: China Medical University, October 29, 2010; Taichung City, Taiwan.


Wang H-CR. Reactive oxygen species-mediated selective apoptosis of oncogenic Ras-expressing cancer cells. Invited oral presentation at: BIT’s 8th Annual Congress of International Drug Discovery and Technology, October, 2010; Beijing, China.

Wang H-CR. Veterinary education in the USA: Reactive oxygen species-mediated selective apoptosis of oncogenic Ras-expressing cancer cells. Invited oral presentations at: Xijinjiang Agricultural University College of Veterinary Medicine; October 20, 2010; Urumqi City, Xijinjiang Province, China.

Wang H-CR. Veterinary education in the USA at the UT Knoxville campus. Invited oral presentation at: Hanoi University of Agricultural Faculty of Veterinary Medicine and the US CDC Office in Vietnam; November 4, 2010; Hanoi City, Vietnam.

Weiborn M. Update on zoonotic and foreign animal diseases; Die-ning on these plans would be hazardous to your patient’s health. Presented at: Tennessee Veterinary Technicians Association Fall Conference; October 2010; Pigeon Forge, TN.\(\triangleright\)

Achievement Goes to . . . Dr. Hildegard Schuller

Dr. Hildegard Schuller’s phenomenal achievements reached a crescendo over the past year and earned her a spot among only four recipients of a 2010 University of Tennessee Chancellor’s Honor for Research and Creative Achievement. To recognize the second time Dr. Schuller has won the award; the previous time was in 1991. The honor is given to tenured faculty who have received national and international recognition in their field. Dr. Schuller’s NIH Challenge Grant proposal was in the top 4% last year and was the only one of its kind funded from a UT Knoxville investigator. She received two other NIH awards around that same timeframe.

The Chancellor’s selection committee had this to say about Dr. Schuller:

Hildegard Schuller, distinguished professor of pathology, has been studying the effects of environmental carcinogens for 35 years. She has developed vast expertise in the mechanisms of how normal cells are transformed into cancer cells by the components of cigarette smoke, in particular nicotine. Schuller made the discovery that lung cancer cells express receptors that bind to nicotine and its derivatives. She hypothesized that the components of tobacco smoke bind to nicotinic acetylcholine receptors, which are now known to be expressed throughout the body and can have profound effects on cell behavior:\(\triangleright\)

TERA System to Change How Investigators Submit Research Proposals for Review & Approval

The Tennessee Electronic Research Administration (TERA) system will create a paperless system for routing a research proposal for review & approval. TERA reviewers will soon be using the Proposal & Award Management System (PAMS) portion of TERA to submit their routing forms (called an IFP—internal processing form) and proposals to the UTCVM Office of Research. The new IFP will include much of the same requested information as before, and the proposal itself will be uploaded as an attachment. The IFP, which also includes the budget, and attachments will then be routed to Tammy Berry for review and subsequently placed in a workflow for departmental approval. TERA will generate several E-mails throughout the routing process to inform investigators of the progress of their proposal review.

Collaborations with other UT campuses (such as UTK or UTM) will likely be treated as informal subcontracts. The new system will replace the C0EUS proposal and award tracking system already in place, and also serve as a way to monitor compliance for research involving human or animal subjects, as well as conflicts of interest. In addition, intellectual property can be managed and traced. Investigators will have access to their own proposals through TERA and will be able to print reports of both proposal submissions and awards, as well as department heads and dean.

Instructors and training will be provided before the new system is implemented in spring 2011. For questions about TERA, please contact Tammy Berry at 974-5572 or tberry@utk.edu.\(\triangleright\)

In this issue

p1 – Schuller’s Chancellor’s Honor, TERA proposal systems, p2 – grant rejections, publications, p3 – finding funding opportunities, college research committee, Solyma award, externally funded awards, p4 – presentations

In the news

The History Channel \(\triangleright\)

Research at the University of Tennessee College of Veterinary Medicine