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Misty Bailey
Editor

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Andrews FM. Gastric ulcer research. The Horse. October 2006:34.


Dhar MS, Plummer HK. Protein expression of G-protein inwardly rectifying potassium channels (GIKRs) in breast cancer cells. BMC Physiol [serial online]. 2006;6 (8):[7 p.].


Van Amstel SR, Steiner J, Jain S. Percutaneous needle biopsy in Ruminants; Nov. 2006; Colonia, Uruguay.

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Sura Ears ACVS Award

Dr. Patricia Sura, resident in small animal clinical sciences, received the first place Resi dent Clinical Research Award at this year’s American College of Veterinary Surgeons (ACVS) Symposium in Washin gton, DC.

The ACVS provides annual recogni tion to those residents in their first year who have performed clinical research and completed a presentation at the annual meeting. Residents must have completed at least one year of training at an ACVS-recognized residency program. The symposium award is sponsored by the American College of Veterinary Surgeons Foundation (ACVS) and recognize excellence in both research and residency training in the veterinary profession.

Sura was recognized for her research titled “In vivo silence of the amyloidogenic light chain” at the 11th International Symposium on Amyloidosis in Woods Hole, MA, in November. Dr. Karen Tobias and Dr. Dominique Mason, faculty members at the University of Tennessee College of Veterinary Medicine, were among the judges for this year’s symposium.

Dr. Sura is an ACVS initiate in the ACVS-recognized residency program in small animal internal medicine at the University of Tennessee College of Veterinary Medicine. She is originally from Peru but currently lives in Raleigh, NC. She earned her Bachelor of Science degree in veterinary technology from the University of Nevada, Reno, in 2003, and her Doctor of Veterinary Medicine degree from the University of Tennessee College of Veterinary Medicine in 2006.

Sura has been active in the ACVS and has presented research at various meetings and symposia. She has also been involved in clinical research and has published several research articles in peer-reviewed journals.

The ACVS recognizes Sura’s contributions to the field of veterinary medicine and celebrates her dedication to clinical research.

Sura’s research focuses on understanding the pathogenesis of amyloidosis, a disease that affects various tissues and organs in animals and humans. Her research has been published in several peer-reviewed journals, including the Journal of Veterinary Internal Medicine and the American Journal of Pathology.

Sura is currently a resident in small animal internal medicine at the University of Tennessee College of Veterinary Medicine. Her research has been funded by the ACVS and the College of Veterinary Medicine, and she has received several awards for her research, including the ACVS Initiate Award and the ACVS Resident Clinical Research Award.

Sura is a member of the American College of Veterinary Surgeons (ACVS) and the American Veterinary Medical Association (AVMA). She is currently involved in clinical research and is a member of the American Society for Investigative Pathology (ASIP).

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Sura’s research has been published in several peer-reviewed journals, including the Journal of Veterinary Internal Medicine and the American Journal of Pathology.
The CVM’s Center for Agriculture and Food Security and Preparedness team was honored by the Gamma Sigma Delta Honor Society of Agriculture November 2 for the center’s outstanding contribution to agriculture research and outreach.

Led by Dr. Sharon Thompson, the CVM team also includes Ann White, Babett Harbison, Aaron Killian, David Smesser, Phil Snow, Linda Beets, Tina McComb, Drs. Fred Hopkins, Nancy Howell, Robert Linnabary (ret.), John New, Michael Sims, and Matthew Welborn.

The CVM team collaborates with other UTIA team members and has joined forces with seven other colleges and government agencies.

The award is based on accomplishments such as product development, audience reach, and impact on agriculture, with a focus on teamwork of the group.

The center formed in 2006 with 31 members across the country and is funded with a $2 million competitive grant through the U.S. Department of Homeland Security. CVM’s focus is training communities and industries to strengthen their capabilities for preventing and deterring terrorist attacks aimed at agriculture and food systems.

‘LeadDiscovery’ Selects Dhar, Plummer Research for Headline Article

Dr. Mathan Dhar and Dr. Howard Plummer’s recently published article in BMC Physiology was chosen to be featured in LeadDiscovery’s Daily Updates. The article entitled “Protein expression of G-protein inwardly rectifying potassium channels (GIRK) in breast cancer cells,” was one of only 30 papers to be featured by LeadDiscovery in October as a breaking publication for the infectious diseases drug development sector.

Each month, a research panel at LeadDiscovery reviews 2,500 articles listed on PubMed, which posts over 100,000 new scientific articles each week.

From those 2,500 articles, the research panel selects 210 and further divides those into several core focus areas. For each core area, one article is featured each day in an E-mail update. Drs. Dhar and Plummer’s article was featured October 4.

Funding Deadlines Drawing Near

Deadline Sponsor Program Amount URL
Dec. 15 Collie Health Foundation Health problems in collies and other dogs Limited none
Dec. 15 American Association of Feline Practitioners Feline medicine or surgery 15,000 www.aapfeline.org
Dec. 15 Susan G. Komen Foundation Biomarker identification & validation: experimental models of ductal carcinoma in situ; environmental 300,000 to 3 million www.komen.org
Dec. 15 American Institute of Cancer Research PI and post-docs 75,000 and 25,000/yr www.aiact.org
Dec. 15 American Heart Association (NA) Beginning researchers 65,000/yr up to 4 yrs. www.heart.org
Jan. 8 American Heart Association (SE) Fellowships, grant-in-aid up to 70,000,000/yr www.american-heart.org
Jan. 10 U.S. Equestrian Federation Concern for performance & show horses 25,000,000 vet.wku.edu/research
Jan. 16 American Cancer Society Postdoc fellowships in cancer research 42,000-66,000/yr. (3) www.cancer.org
Feb. 3 NIH New R01 Various www.nih.gov
Feb. 6 Morris Animal Foundation Veterinary student scholar program--clinical & basic 4,000 www.morrisani-malfoundation.org

CVM Takes in Over $596,000 in Grant Funding Since September

<table>
<thead>
<tr>
<th>Title</th>
<th>PI/Agency</th>
<th>Start Date</th>
<th>Type</th>
<th>$ Amount</th>
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<tbody>
<tr>
<td>Evaluation of calcium metabolism and urinary saturation in cats with hypercalciuria and calcium oxalate stones</td>
<td>JW Bartges Morris Animal Foundation 10/1/06</td>
<td>Year of 1</td>
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<td>Influence of an orally-administered solution on 24-hr urinary saturation with calcium oxalate uroliths and urinary epithelial cell shedding</td>
<td>JW Rouse Lloyd, Inc. 10/1/06</td>
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<td>Evaluation of a soy protein hydrolysate diet on 24-hr urinary uric acid excretion and urinary saturation with urate in urolith- and non-urolith-forming dalmatians</td>
<td>JW Bartges Morris Animal Foundation 10/1/06</td>
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<td>Pain relieving effect of opioids and nonsteroidal anti-inflammatory drugs in bearded dragons</td>
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<td>1/1</td>
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<tr>
<td>The effect of physiologic dacryocystitis on bacterial growth in dogs following congenital proptosis surgery</td>
<td>JA Fectau AKC Canine Health Foundation 10/1/06</td>
<td>1/1</td>
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<td>Primary markers of feline idiopathic cystitis (FIC) multi-center trial</td>
<td>CA Kirk Morris Animal Foundation 10/1/06</td>
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<tr>
<td>Evaluation of neutrophil function in treated tumor-bearing dogs</td>
<td>C LeBlanc AKC Canine Health Foundation 10/1/06</td>
<td>1/1</td>
<td>12,980</td>
<td></td>
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<tr>
<td>Histopathology services</td>
<td>D Rotstein NOAA 09/15/06</td>
<td>1/1</td>
<td>15,600</td>
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<td>Mechanisms in herpes keratitis</td>
<td>HT Rouse NIH 09/03/06</td>
<td>5/5</td>
<td>347,575</td>
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<td>Dog bite prevention program</td>
<td>MH Sims Kenneth A. Scott Charitable Trust 10/1/06</td>
<td>1/1</td>
<td>13,340</td>
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</table>

The National Eye Institute (NEI), a division of the National Institutes of Health (NIH), recently invited Dr. Barry Rouse to Serve on NIH Board of Scientific Counselors (BSC). Members of the BSC advise NEI administration on the productivity and performance of research programs and scientists within the division. Board members must also refer to electronic submission forms every cycle to avoid unnecessary delays in the review of the application. Some examples of “publication,” according to the law, may include a thesis in the UT library, submission of a proposal to a funding agency, a report sent to a sponsor, or a poster at a conference. All of these possibilities ultimately rely on consideration of the previous paragraph. Making the issue even more complicated are patent laws in foreign countries. Unlike the United States, most other countries expect a patent application to be filed before publication. There is no one-year grace period. And if a researcher will ever try to file for a patent in another country, a U.S. patent must have also been filed before publication.

The university’s research foundation (UTRF) office urges researchers to inform them of a new invention before they publish by filling out an invention disclosure form. The staff at UTRF will assist in the patenting process: Tel: 974-1882.
1. The CVM’s Center for Agriculture and Food Security and Preparedness team was honored by the Gamma Sigma Delta Honor Society of Agriculture November 2 for the center’s outstanding contribution to agriculture research and outreach. Led by Dr. Sharon Thompson, the CVM team also includes Ann White, Babette Harbison, Aaron Kilian, David Smelsey, Phil Snow, Linda Beets, Tina McConnell, Drs. Fred Hopkins, Nancy Howell, Robert Linnabary (ret.), John New, Michael Sims, and Matthew Weiborn. The CVM team collaborates with other UTIA team members and has joined forces with seven other colleges and government agencies.

The award is based on accomplishments such as product development, reach and impact on agriculture, with a focus on teamwork of the group.

The center formed in 2006 with 31 members across the country and is funded with a $2 million competitive grant through the U.S. Department of Homeland Security. CVM’s focus is training communities and industries to strengthen their capabilities for preventing and detecting terroristic attacks aimed at agriculture and food systems.

2. Realize! Selects Dhar, Plummer Research for Headline

Dr. Madhu Dhar and Dr. Howard Plummer’s recently published article in BMC Physiology was chosen to be featured in LeadDiscovery’s Daily Updates. The article, entitled “Protein expression of G-protein inwardly rectifying potassium channels (GIRK) in breast cancer cells,” was one of only 30 papers to be featured by LeadDiscovery in October as a breaking publication for the infectious diseases drug development sector.

Each month, a research panel at LeadDiscovery reviews 2,500 articles listed on PubMed, which posts over 100,000 new scientific articles each week.

From those 2,500 articles, the research panel selects 210 and further divides those into seven core focus areas. For each core area, one article is featured each day in an E-mail update. Drs. Dhar and Plummer’s article was featured October 4.

3. NIH Electronic Submission

Starting in February 2007, the National Institutes of Health (NIH) will accept R01 grant applications ONLY through electronic submission. All R01 applications in response to the February 5 receipt date and beyond will require electronic submission.

The new electronic submission process that funding agencies (not just NIH) are using may have changed the application format. It is worthwhile to download new application forms for any project you are considering to avoid unnecessary delays in the review of the application.

4. The effect of phytoestrogens enterolactone and enterodiol on steroidogenesis in adrenocortical cells: Investigating a potential therapy for canine hyperestrinism

Effect of phytoestrogens enterolactone and enterodiol on steroidogenesis in adrenocortical cells: investigating a potential therapy for canine hyperestrinism

5. Discovery: Research at the University of Tennessee Veterinary College of Medicine (2006) 1.4

Research Resource Spotlight
Citrin Server Provides Electronic Submission Relief, Not Cure, for Mac users

Macintosh users can expect some relief when uploading grant applications electronically, but this relief still does not solve the underlying problem.

PureEdgeViewer, a software application that allows grant applications to be submitted on grants.gov, is compatible only with Windows. Although grants.gov expects a permanent solution to be in place by the end of 2007, for now, Mac users are advised to use Electronic Grant Applications electronically and access the applications through the CTRCitrin server works by allowing a remotely launched Windows session on a Mac. Essentially, the Mac temporarily becomes a virtual PC, which allows users to complete the electronic submission process, even without a Mac.

Although use of the Citrin server is free, the program must be downloaded, and only a limited number of users can be logged on simultaneously. Off-peak use hours are between 10 p.m. and 10 a.m.

Grants.gov plans to convert to an Adobe-based submission system sometime next year, a system compatible with both PCs and Macs.

In the meantime, to download the Citrin server and for more information, visit www.grants.gov/resource/download_self-ware.jsp.

6. Publication and Patentability Protection

If researchers think they might have something patentable, they have one year from the time information that was first published to file a U.S. patent application. Upon publication, the invention has been publicly disclosed, and that public disclosure date could determine whether a patent is granted or denied.

To be considered published, the invention “was one of only 30 papers to be featured by LeadDiscovery in October as a breaking publication for the infectious diseases drug development sector.”

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7. CVMS in Over $596,000 in Grant Funding Since September

Funding Deadlines Drawing Near

<table>
<thead>
<tr>
<th>Deadline</th>
<th>Sponsor</th>
<th>Program</th>
<th>Amount</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec. 15</td>
<td>Collie Foundation</td>
<td>Health problems in collies and other dogs</td>
<td>Limited</td>
<td>none</td>
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<tr>
<td>Dec. 15</td>
<td>American Association of Feline Practitioners</td>
<td>Feline medicine or surgery</td>
<td>15,000</td>
<td><a href="http://www.aafponline.org">www.aafponline.org</a></td>
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<tr>
<td>Dec. 15</td>
<td>Susan G. Komen Foundation</td>
<td>Biomarker identification &amp; validation: experimental models</td>
<td>300,000 to 3 million</td>
<td><a href="http://www.komen.org">www.komen.org</a></td>
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<tr>
<td>Jan. 8</td>
<td>American Heart Association (Nat.)</td>
<td>Beginning researchers</td>
<td>65,000/year up to 4 years</td>
<td><a href="http://www.heart.org">www.heart.org</a></td>
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<tr>
<td>Jan. 8</td>
<td>American Heart Association (SOC)</td>
<td>Fellowships, grants-in-aid</td>
<td>Up to 70,000</td>
<td><a href="http://www.american-heart.org">www.american-heart.org</a></td>
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<td>Jan. 10</td>
<td>U.S. Equestrian Federation</td>
<td>Concern for performance &amp; show horses</td>
<td>25,000</td>
<td><a href="http://www.vet.usu.edu/research">www.vet.usu.edu/research</a></td>
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<td>Jan. 16</td>
<td>American Cancer Society</td>
<td>Postdoc fellowships in each discipline</td>
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<td>Feb. 5</td>
<td>NIH</td>
<td>New R01</td>
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<td><a href="http://www.nih.gov">www.nih.gov</a></td>
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<td>Feb. 6</td>
<td>Morris Animal Foundation</td>
<td>Veterinary student scholar program--clinical &amp; basic</td>
<td>4,000</td>
<td><a href="http://www.morrisanimalfoundation.org">www.morrisanimalfoundation.org</a></td>
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</tbody>
</table>
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Publications & patentability
Funding awards
Happy Holidays!

NIH request for information: Should page limits for the research plan on R01 grant applications be reduced? grants.nih.gov/grants/guide/pdf/R01_research_plan_add.htm

What to Know Before Applying for Grant Funding

“I am applying for funding for work that I will do, but I am required to get college approval before I even apply!” This is a valid and common question, especially for new investigators who may not be familiar with university policy. The simple answer is “Yes.” The reasons behind the answer, though, are a bit more complicated.

All researchers applying for grant funding as employees of the university must submit a common proposal form and budget worksheet (available at: www.vet.utk.edu/research/info/). Before submitting the proposal to the funding agency.

These forms are first reviewed by the research coordinator, who ensures all the necessary reviews are done and that the proposal application will render useless, even if the research coordinator, who ensures all the necessary reviews are done and that the proposal application will render useless, even if the proposal application will render useless, even if

CVM Part of International Multi-task AllianCe Program

Last month, Dean Michael Blackwell and Dr. Hwa-Chain Robert Wang visited China Agricultural University’s College of Veterinary Medicine (CAU) as part of an effort to jointly develop cooperative educational, research, and cultural exchange programs to study livestock diseases and human health.

The goal of the International Multi-task AllianCe Program (I-MAP) is to develop an international network for promoting cooperation between veterinary colleges to the international community. Using the I-MAP, Drs. Blackwell and Wang hope to promote the exchange of ideas in laboratory training, alternative medical medicine, veterinary medicine, and animal nutrition.

The collaboration will likely enhance the research capabilities of CAU and expand research scopes for students, postdocs, and faculty at our own college. Clinical researchers here will benefit from CAU faculty knowledge about alternative medicine, such as acupuncture, and how to apply those methods to animals. In turn, our experts will offer CAU state-of-the-art, nutrition administration and veterinary services.

This program will also promote the veterinary profession’s role in China and will enhance the broad understanding of the veterinary curriculum to current and future needs of international communities.

Sura Earns ACVS Award

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dent Clinical Research Award at this year’s American College of Veterinary Surgeons (ACVS) Symposium in Washing- ton, D.C.

Dr. Sura, in collaboration with Drs. Karen Tobias and Frederica Morandi, earned the award for her research on two clinicographic methods for diagnosis of portosystemic shunts in dogs.

The ACVS provides annual recognition for outstanding surgical resident presenta-
tions, publications, and posters. This recognition is intended to encourage the continued development of clinically important research, particularly that conducted by surgical residents in training.

To be eligible for the award, presenta-
tions, publications, and posters must represent the original work of the resident, who must be the primary researcher for the project.

Sura (L) and Dr. Dominique Griffs, ACVS Diplomate.

Photo courtesy of ACVS.

Dr. Tobias, Dr. Sura, and Frederica Morandi (ACVS Executive Director) presented "A Clinical Research Award at this year’s American College of Veterinary Surgeons (ACVS) Symposium in Washington, D.C.

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