Discovery December 2006

Misty Bailey
Editor

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Recommended Citation
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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 human research routing form and budget worksheet (available at: www.vet.utk.edu/research/infosheet) before submitting the proposal to the funding agency.

- These forms are first reviewed by the research coordinator, who ensures all the requirements of the university’s research protocols are met. The proposal routing form will be stumped with “Insufficient time for review.”

- This stamp lets the department head and dean know that the proposal may not be in compliance with the funding agency’s requirements, and it could result in the proposal being returned for submission, withdrawal of a previously submitted proposal, lengthy negotiations/revisions upon award, or worst case scenario, the award not being accepted.

- Another obvious reason to keep the proposal requirements in mind, and it could result in the proposal being returned for submission, withdrawal of a previously submitted proposal, lengthy negotiations/revisions upon award, or worst case scenario, the award not being accepted.

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In December 2006
Sura Earns 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) Sym-
opodium in Washington, D.C.

Dr. Sura, in collaboration with Drs. Karen Torres (associate resident) and Frederica Morandi, the program coordinator for the ACVS Clinical Research Award, was selected for her research on two scintigra-
graphic methods for diagnosis of postoperative 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.

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

...And Presentations

On September 26, Dr. Seung Joung Baek was an invited speaker at the Interdisciplinary Faculty of Toxicology Fall 2006 Seminar Series at Texas A&M University. That talk was entitled “PPAR ligand in colorectal cancer.” In it, Dr. Baek described the “PPAR activated gene (NAG-1) in expression of intramucosal T cells and its role in colorectal cancer.” In October, he presented “NSAID was entitled “PPAR ligand in colorectal neoplasia.” Of interest, Dr. Baek was invited to speak at the University of Otago in Wellington, New Zealand. She was also an invited speaker of the Ruminant Reproduction Symposium held in the developing bovine testis during April, May and June. In May, Dr. Karen Tobias gave two talks about pseudomonas infections in dermatologists and general practitioners. In August, Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands. Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands. Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands. Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands. Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands. Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands. Dr. Jonathan Phipps was an invited speaker of the European College of Veterinary Dermatology in Amsterdam, Netherlands.


References

New Faces

The Office of the Associate Dean for Research welcomed Kim Rutherford to its staff in November. Kim, formerly of the Center on Disability and Employment, is an administrative specialist and will be transitioning to coordinator of the graduate program.

The Comparative and Experimental Medicine graduate program welcomes three new students for the spring semester.

Working with Dr. Zemel on a Ph.D. is Julia Goulton. Julia is from Knoxville and is currently employed as a research associate in the Department of Nutrition.

Jason Liggert, a Knoxvilleian who earned a B.S. in medical technology, will be working with Dr. P.D. with Dr. Back.

Jennifer Weisent, DVM, will be working on her Ph.D. with Drs. Olszt and Roberh. Dr. Weisent is originally from Baldwin, NY.

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CASFSP Receives Faculty Team Award from U.S.A.

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 CASFSP team also includes Ann White, Babette Harbison, Aaron Killian, David Smelser, Phil Snow, Linda Beets, Tina McConnell, 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 governmental entities. The award is based on accomplishments such as product development, research, 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. CASFSP’s focus is training communities and industries to strengthen their capabilities for preventing and deterring terrorist attacks aimed at agriculture and food systems.

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Cirix Server Provides Electronic Submission Relief, Not Cure, for Mac Users

Macintosh users can expect some relief when using online 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 the original, more limited temporary access to the applications.

The Cirix 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 with a Mac.

Although use of the Cirix 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 Cirix server and for more information, visit www.grants.gov/resource/download_software.jsp.

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Publication and Patentability Protection

If researchers think they might have something patentable, they have one year from the time information about that something 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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CVM Takes in Over $596,000 in Grant Funding Since September

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 every time to avoid unnecessary delays in the review of the application.

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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 every time to avoid unnecessary delays in the review of the application.

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Research Resource Spotlight

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

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Rouse to Serve on NIH Board of Scientific Counselors

The National Eye Institute (NEI), a division of the National Institutes of Health (NIH), recently invited Dr. Barry Rouse of the Pathobiology Department to participate as an ad hoc member of their 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 have outstanding scientific credentials. Dr. Rouse is a Lindsay Young Distinguished Professor of Microbiology.

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 urging researchers to inform them of a new invention before they publish or fill out an invention disclosure form. The staff at UTRF will assist in the patenting process: Tel: 974-1882.

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‘LeadDiscovery’ Selects Dhar, Plummer Research for Headline Article

Dr. Mathia 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.

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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 Health Foundation</td>
<td>Health problems in collies and other dogs</td>
<td>Limited none</td>
<td>wwww.aap.org</td>
</tr>
<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.aafp-on-line.org">www.aafp-on-line.org</a></td>
</tr>
<tr>
<td>Dec. 15</td>
<td>Susan G. Komen Foundation</td>
<td>Biomarker identification &amp; validation; experimental mastocytosis in situ; environmental</td>
<td>300,000 to 3 million</td>
<td><a href="http://www.komen.org">www.komen.org</a></td>
</tr>
<tr>
<td>Dec. 15</td>
<td>American Institute of Cancer Research</td>
<td>PI and post-docs</td>
<td>75,000 and 25,000/yr</td>
<td><a href="http://www.aiicr.org">www.aiicr.org</a></td>
</tr>
<tr>
<td>Jan. 8</td>
<td>American Heart Association (Nat.)</td>
<td>Beginning researchers</td>
<td>65,000/yr up to 4 yrs</td>
<td><a href="http://www.heart.org">www.heart.org</a></td>
</tr>
<tr>
<td>Jan. 8</td>
<td>American Heart Association (SE)</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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<tr>
<td>Jan. 10</td>
<td>U.S. Equestrian Federation</td>
<td>Concern for performance &amp; show horses</td>
<td>25,000</td>
<td>wwww.vet.ksu.edu/research</td>
</tr>
<tr>
<td>Jan. 16</td>
<td>American Cancer Society</td>
<td>Postdoc fellowships in each section</td>
<td>42,000-70,000/yr</td>
<td><a href="http://www.cancer.org">www.cancer.org</a></td>
</tr>
<tr>
<td>Feb. 3</td>
<td>NIH</td>
<td>New R01</td>
<td>Varies</td>
<td><a href="http://www.nih.gov">www.nih.gov</a></td>
</tr>
<tr>
<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>
</tr>
</tbody>
</table>

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

Title | PI | Agency | Start Date | Type | $ Amount
---|---|---|---|---|---
Evaluation of calcium metabolism and urinary saturation in cats with hypercalciuria and calcium oxalate stones | JW Barrie | Morris Animal Foundation | 10/1/06 | Grant | 18,974
Influence of an orally-administered solution on 24-hr urinary saturation with calcium oxalate and uric acid uroliths | JW Barrie | Lloyd, Inc. | 1/1 | Grant | 27,590
Evaluation of a soy protein hydrolysate diet on 24-hr urinary uric acid excretion and urinary saturation with urate in uric acid and non-urate-forming uroliths | JW Barrie | Nestle Purina Petcare | 1/1/06 | Grant | 52,091
Evaluation of the effect of potassium channel blockers on G-protein coupled receptors in canine osteosarcoma cells | KA Fecteau | AKC Canine Health Foundation | 1/1 | Grant | 10,908
Pain relief effect of opioids and nonsteroidal anti-inflammatory drugs in bearded dragons | CB Greeneacre | Morris Animal Foundation | 1/1 | Grant | 22,027
The effect of pharmacologic treatment on blood glucose level in dogs following congenital hypoglycemia in adrenergic cellular compartments: Investigating a potential therapy for canine hyperinsulinemia | AKC Johnson | AKC Canine Health Foundation | 1/1 | Grant | 12,980
Activity product ratios and calcium oxalate urolith risk in cats with chronic renal failure | CA Kirk | Morris Animal Foundation | 1/1 | Grant | 27,099
Primary markers of feline idiopathic cystitis (FIC) multi-center trial | CA Kirk | Hill’s Pet Nutrition | 1/1/06 | Grant | 34,969
Evaluation of neutrophil function in treated tumor-bearing dogs | C LeBlanc | AKC Canine Health Foundation | 1/1 | Grant | 12,906
Histopathology services | D Rosin | NOAA | 9/1/06 | Grant | 15,600
Mechanisms in herpes keratitis | RT Rouse | NIH | 9/30/06 | Grant | 34,075
Dog bite prevention program | MH Sims | Kenneth A. Scott Charitable Trust | 1/1/06 | Grant | 13,340
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in vivo; its implication in atherosclerosis. Lysophospholipids, Egr-1 and tissue factor.

Greece. Advances in Oncology and 9th International Conference on Molecular Biology and Medicine in the southeastern region of the United States. In: Muñoz, R., et al. (Eds.), Current and future needs of the veterinary profession. (pp. 436-440)

In this issue

New faces
CAFSF team award

CVM Part of International Multi-task Allianc e Program

Sura Earns ACVS Award

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NIH request for information: Should page limits for the research plan on ROI grant applications be reduced?

Research at the University of Tennessee College of Veterinary Medicine

Volume 1, Issue 4

Dec. 2006

Research Publications...


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


By far, the most widely distributed class of gamma in the equine gastrointestinal tract. Am J Vet Res. 2006;67:1873-1882.

Dr. Charmi Mendis-Handagama

Sura (L) and Dr. Dominique Blackwell (R), together with Dr. Hwa-Young Kim (K), are shown in Washington, DC, in October. Dr. Blackwell presented "Trends in Sertoli cell proliferation and function in the germ line experiments in the rat", during the Ruminant Reproduction Symposium held in Washington, DC, in October. Dr. Jonathan Phipps, the University of Tennessee's College of Veterinary Medicine, presented "Understanding the Mechanisms of Action of Horses as as Models for the Study of Human Diseases", during the 6th Conference on Lameness in Ruminants held in New Zealand, August 2006. That August 17 talk was given to an audience of veterinarians and general practitioners.

The ACVS provides annual recogni- tion to veterinarians worldwide for their contributions to the advancement of veterinary surgery. The award is presented to one veterinarian each year who has made significant contribu- tions to veterinary surgery. The ACVS also provides a travel grant for the recipient to attend the ACVS Symposium and 6th Conference on Lameness in Ruminants held in New Zealand, August 2006.

Another obvious reason to keep the NIH request for information: Should page limits for the research plan on ROI grant applications be reduced? grants.nih.gov/grants/guide/notice_rfa-files/nih_research_plan_add.htm

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

These forms are first reviewed by the research coordinator, who ensures all the guidelines have been followed to prevent unnecessary rejection. The forms are then reviewed and signed by both a department head and the dean for research, and these signatures acknowledge approval by both.

If the research coordinator does not have a chance to review the proposal before it is routed for approval (or worse, never sees it before it is submitted to the agency), the proposal routing form will be stumped with “Insufficient time for review.”

This stamp lets the department head and dean know that the proposal may not be in compliance with the funding agency’s requirements, and it could result in the proposal not being approved for submission, withdrawal of a previously submitted proposal, lengthy negotiations/revisions upon award, or worst case scenario, the award not being accepted.

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Research at the University of Tennessee College of Veterinary Medicine

In the recent issue...

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One is published four times each year by the UTCVM Office of Research and Graduate Programs. Comments and suggestions may be forwarded to the office in care of Misty Bailey: mrbailey@utk.edu or 865-974-7446.