9-2006

Discovery September 2006

Misty Bailey
Editor

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In June, Dr. Frank Andrews and five other authors presented a paper at the Joint RHI-IRKA Gastrointestinal Tract Microbiology Symposium in Aberdeen, Scotland.

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Welcome, Grad Students!
The Comparative and Experimental Medicine graduate program welcomes eight new students for the fall semester.

Christina Bishop hails from Knoxville, where she earned a B.S. in medical technology from UT. She will work on a Ph.D. with Dr. Karla Matteson.

Having recently finished her M.S. work in animal science at UT, Robin Cisell will be pursuing her Ph.D. and working on a project with Dr. Stephen Kania and Dr. Robert Donnell. Robin is from Knoxville.

Dr. Jason Headrick of Wisconsin will be working with Dr. Darryl Mills for his Ph.D. He earned his D.V.M. from the University of Wisconsin-Madison.

Having earned a B.S. in biology from the Massachusetts Institute of Technology, Karissa Laughter will be working on her M.S. under the direction of Dr. Agricola Odoi. Karissa is from El Granada, CA.

Amanda Peerich from Harrisonburg, VA, will be working on her M.S. with Dr. Madhu Dhar. Amanda earned a B.S. in biology from James Madison University.

Xin (Lucy) Lu will be pursuing a Ph.D. with Dr. Xuemin Xu. Xin earned a B.S. in biological sciences from Jilin University in China.

Dr. Sharan Sehrawat, who will be working on his Ph.D. with Dr. Barry Rouse, earned a B.V.S.C. and an M.V.Sc. from the CCS Haryana Agricultural University in India.

Nichelle Whitlock will be working on her Ph.D. under the direction of Dr. Seung Ioon Baek. Nichelle, who is originally from Stafford, VA, earned a B.S. in biological sciences from UT-

AECF from p. 1

Technologies being developed with funding from a variety of federal agencies may be deemed sensitive and applicable, but currently no contracts or grants in the CVM fall in this category. As the research environment at the CVM evolves, the AECF may become a major compliance issue for us, especially if the KY/TN proposal for the National Bio-

and Agro-Defense Facility is selected.

The recent UT investigation is still ongoing, but a conviction for violating the AECA can result in up to ten years in prison, a $1 million fine, or both.

The CVM will host an information seminar entitled “Export Control: What Researchers Need to Know” at noon Sept. 20 in A335. For further questions regarding the AECA, please contact the CVM research office.

First Annual CEM Graduate Student Picnic Held

Comparative and Experimental Medicine graduate students and their families and friends enjoyed a late summer barbecue and picnic Aug. 27 at Carron Cow Park. The picnic was an oppor-

tunity for students to get to know each other better as well as meet some of the CEM graduate studies staff.

Thesis/Dissertation Workshops

Hodges Library Auditorium

Funding Deadlines Drawing Near

<table>
<thead>
<tr>
<th>Deadline</th>
<th>Sponsor</th>
<th>Program</th>
<th>Amount/yr.</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 13</td>
<td>Alliance for Cancer Gene Therapy</td>
<td>Young investigator</td>
<td>166,666 (3 yrs.)</td>
<td><a href="http://www.aecgfoundation.org">www.aecgfoundation.org</a></td>
</tr>
<tr>
<td>Sept. 15</td>
<td>AAALAS Foundation</td>
<td>Lab animal education and outreach</td>
<td>30,000</td>
<td>foundation.aaalas.org</td>
</tr>
<tr>
<td>Sept. 15</td>
<td>American College of Veterinary Internal Medicine Foundation</td>
<td>ACVM members, residents, and multi-center clinical research</td>
<td>20,000</td>
<td>w w w. a c v i m. o rg</td>
</tr>
<tr>
<td>Oct. 1</td>
<td>American Association of Equine Practitioners</td>
<td>Equine research (residents)</td>
<td>15,000</td>
<td><a href="http://www.aape.org">www.aape.org</a></td>
</tr>
<tr>
<td>Oct. 1</td>
<td>NIH</td>
<td>New grants</td>
<td>varies</td>
<td><a href="http://www.nih.gov">www.nih.gov</a></td>
</tr>
<tr>
<td>Oct. 1</td>
<td>Grayson Jockey Club</td>
<td>Equine health and performance and post graduates</td>
<td>45,000</td>
<td><a href="http://www.grayson-jockeyclub.org">www.grayson-jockeyclub.org</a></td>
</tr>
<tr>
<td>Oct. 15</td>
<td>American Cancer Society</td>
<td>Basic, pre-clinical, applied, and clinical research; postdoc fellowships</td>
<td>up to 200,000 (5)</td>
<td><a href="http://www.cancer.org">www.cancer.org</a></td>
</tr>
<tr>
<td>Nov. 1</td>
<td>Morris Animal Foundation</td>
<td>Canine, feline, camelpid, equine, wildlife post-proposals</td>
<td>7,500 to 20,000</td>
<td><a href="http://www.morrisanimalfoundation.org">www.morrisanimalfoundation.org</a></td>
</tr>
<tr>
<td>Nov. 1</td>
<td>NIH</td>
<td>Competing or reviewing</td>
<td>varies</td>
<td><a href="http://www.nih.gov">www.nih.gov</a></td>
</tr>
<tr>
<td>Nov. 1</td>
<td>American College of Veterinary Surgeons Foundation</td>
<td>Residents, clinical research, minimally invasive surgery</td>
<td>10,000 to 20,000</td>
<td><a href="http://www.acvs.org">www.acvs.org</a></td>
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Research Resource Spotlight

ScienceCareers Provides Electronic Grant Submission Advice

Electronic grant submission (or manuscript submission, for that matter) can be frustrating, to say the least. And once Murphy’s Law kicks in, it can be downright disheartening.

That’s why ScienceCareers put together a list of potential problems and their solutions. Their advice comes from personal interviews and NIH documentation about how to make the electronic submission process less stressful.

• Save your work often. Most software programs allow you to adjust the automatic recovery setting, which will recover your file even if your computer experience a power outage. Also, “Ctrl + S” on a PC is the universal “save” shortcut (“Command + S” on a Mac). Make it a habit to use it often if you take your hands away from the keyboard.

• Use Windows on a PC. Although Mac users will eventually be able to submit without com-

plications, some glitches still exist in many of the systems for Mac users.

• Convert each file to a pdf. Unless requested otherwise, a pdf will almost guarantee the recipient will see what you see on the screen. But check the pdf before you submit to make sure it looks the same as the original.

• The complete article, including ad-

vice specific to NIH, can be found at sciencecareers.org: search " NIH electronic submis-

sion."

Discovery: Research at the University of Tennessee College of Veterinary Medicine (2006) 1.3

Funding Up 9.7%

Researchers at UTCVM brought in $6,981,842 in grant funding during fiscal 2006, a 9.7% increase from 2005. If this trend continues, UTCVM will likely reach $7.5 million by year-end 2007.

Mendis-Handagama on Review Panel

Recently, Dr. Charmi Mendis-Handagama was chosen for a National Institute of Environmental Health Sciences Special Emphasis Panel. Only eight members were chosen to serve on this panel to review grant applications addressing reproductive assessments in rodents. Scientists are chosen based on recognized authority in their field, and they must be a principal investigator on a research project comparable to those being peer reviewed. Reviewers like Dr. Mendis-

Handagama go through an extensive nomination process to be able to sit on the panel. For example, Handagama go through an extensive nomination process to be able to sit on the panel. Although many journals already de-

pose all published articles into PMC, others prohibit the author from depositing the article him-

If that shift occurs, copyrights might also increasingly stay in the hands of the author.

Since 2005, NIH has strongly encouraged re-

searchers to deposit articles automatically into PMC. However, other journals have found a compromise by allowing blanketed permission to post NIH-funded research articles to PMC at least six months after publication. For example, JAVMA adopted an off-site policy that allows the author to post the accepted, not published, version of the manuscript on PMC. Researchers benefit from submitting articles to PMC since submission partially ful-

fills NIH progress report requirements by substi-

tuting deposit for submission of paper copies. In addition, submission to public access pub-

lishers like PMC might heighten the visibility of the research and enhance the likelihood of early and increased citation.

Because of federal pressure to enhance public access to research results and because of technology that is changing scholarly com-

munication, the move toward open access may change the way manuscripts are published. But for now, the impact factors for some open ac-

cess-only journals remain low.

However, since many open access journals have not been in existence long enough for Thomson Scientific to track them, the impact factors for that agreement will not be accepted. Researchers benefit from submitting articles to PMC since submission partially ful-

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Research at the University of Tennessee College of Veterinary Medicine (2006) 1.3

External Grant Funding Nears $941,000 since June

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<tr>
<th>Title</th>
<th>PI</th>
<th>Agency</th>
<th>Start Date</th>
<th>Type</th>
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</tr>
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<tbody>
<tr>
<td>PPAR-gamma ligands in colorectal cancer</td>
<td>SJ Back</td>
<td>NIH</td>
<td>7/1/06</td>
<td>1 Year of 15</td>
<td>265,900</td>
</tr>
<tr>
<td>Gene alteration by NSAIDs</td>
<td>SJ Back</td>
<td>ACS</td>
<td>7/1/06</td>
<td>1/2</td>
<td>162,000</td>
</tr>
<tr>
<td>Nutrition technician support</td>
<td>JW Bartges</td>
<td>Nestle</td>
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Since 2005, NIH has strongly encouraged researchers to deposit articles completed with partial or full NIH funding to PubMed Central (PMC), an NIH-funded service. This option may eventually become a requirement.

Although many journals already deposit all published articles into PMC, others who do not will often retain copyright that probably the author from depositing the article him or herself.

For example, JAMA, a journal that does not submit its articles automatically to PMC, indicates that it requires all authors to sign an agreement that transfers copyrights to the AVMA upon publication. Furthermore, a representative from JAMA says that a substitution for that agreement will not be accepted. However, other journals have found a compromise by allowing blanket permission to post NIH-funded research articles to PMC at least six months after publication. For example, JAMA adopted an optional policy that allows the author to post the accepted, not published, version of the manuscript on PMC.

Researchers benefit from submitting articles to PMC since submission partially fulfills NIH program grant requirements by substituting deposit for submission of paper copies. In addition, submission to public access publishers like PMC might heighten the visibility of the research and enhance the likelihood of early and increased citation.

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... And Presentations...

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Dr. Nicholas Frank presented two talks in June about equine metabolic syndrome as part of the University of Tennessee College of Veterinary Medicine's Continuing Education Series in Ocala, FL, and at the American College of Veterinary Internal Medicine 24th Annual Forum in Louisville, KY.

Dr. Silke Hecht presented “In-UTCA diabetic retinopathy in dogs with urolithiasis” on Aug. 9 at the 2006 IAVCA/ACVIM/ECVD Scientific Assembly in Los Angeles.

Dr. Robert W. Henry was an invited speaker for the main lecture series at the 13th International Conference on Plastination in Vienna, Austria in July. The conference was held at the Anatomical Institute at the Medical University of Vienna.

On July 20, Dr. Henry presented “Proportional analysis of the pig renal parenchyma and sinus structures” at the 26th Congress of the European Association of Veterinary Anatomists in Messina, Italy.

On July 24, Dr. Tomas Martin-Jimenez presented a day-long continuing education program at the University of Kentucky College of Veterinary Medicine. His talk “Using population pharmacokinetic techniques to dosing antimicrobials in animals” was part of their ADVANCE Distinguished Lecture Series.

Dr. Shelley Newman presented “Canine aflatoxicosis: a review of the literature,” at the American Association of Veterinary Pathologists annual meeting Aug. 17 in East Lansing, MI.

Dr. Jack Oliver was an invited participant in a day-long continuing education program on Jun. 26 in Torino, Italy. Dr. Oliver presented material on adrenal disease in dogs and treatment considerations. Participants were especially interested in the steroid adrenal panel methods used by the UTVM Clinical Endocrinology Service to diagnose Atypical Cushing’s Disease. Dr. Oliver has been invited to return to Italy next year for an expanded program.

On Aug. 27 and 28, Dr. Jerry Roberson presented six talks at the Central Veterinary Conference in Kansas City. The talks ranged from infection disease knowledge to management of urinal cell culi in small ruminants to mastitis treatment.

Dr. Karen Tobias gave three talks at June’s Society of Veterinary Soft Tissue Surgery meeting in Beaver Creek, CO: “Acute suppurative lymphadenitis in a dog,” “Adrenal function in normal dogs and dogs with congenital portosystemic shunts,” and “Experts panel on portosystemic shunts.” In July, Dr. Tobias presented four talks at the American Veterinary Medical Association Annual Convention in Honolulu, HI. The talks ranged from the use of synthetic and biologic implants to closure of lung and kidney lacerations to wound drainage and extravascular shunt attenuation.

Dr. Karen Tobias presented six talks at the Central Veterinary Conference in Kansas City. The talks ranged from infection disease knowledge to management of urinal cell culi in small ruminants to mastitis treatment.

In an interview with the Nashville News-Sentinel, the engineering professor said that UT researchers, in general, know a lot about the export control act, but they aren’t sure “what the facts are.”

The UT engineer insists that he did not divulge information during his lectures in China unless the information had already been published. However, he admits that a Chinese graduate student working with him on the project.

The University of Tennessee College of Veterinary Medicine