Discovery March 2008

Misty Bailey
Editor

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... And Presentations

Drs. M Abd-Eldaim, KV Thomas, and M Kennedy presented a poster at the Conference of Research Workers in Animal Diseases in Chicago, December 2. The poster, entitled "Human influenza virus isolated from giant anteaters," was also authored by S Nots, D Toplan, and D Rousseau from the Nashville Zoo at Grassmere.

On February 8, Dr. HS Adair gave an invited presentation on equine aquatic therapy at the American Physical Therapy Association Annual meeting in Nashville.

At the Exotic Species Symposium at UT in January, Dr. M Allender presented Diseases of free-ranging and captive Chelonia," "Invertebrate captive husbandry and medicine," and "Chelonia shell repair." Dr. Allender also presented "Introduction to zoological medicine," "Introduction to shark medicine," and "Infectious diseases of snakes" at the University of Illinois.

Recent Publications...


Mendis-Handagama SMLC, Alayarakere HBS. Effects of hydroxyindole-3-acetic acid on melatonin hormone expression in the preputial rat testes. In: 19th ISHMP. 2008:231-151-156.


Schultz TW, Allender M, Schumacher J. "PPARgamma agonists down-regulate the expression of a phospholipid translocase abstract, "PPARgamma agonists down-regulate the expression of a phospholipid translocase," is also authored by Drs. M Allender, SJ Baek, and M Dhar.

Dr. X Xu presented "The role of the GxxG motif in the interaction of CTFβ with the γ-secretase complex and formation of Aβ" as part of the Alzheimer's Disease: Physiological Functions of APP and APP Metabolites section of the 37th Annual Meeting of the Society for Neuroscience in San Diego. Other authors for the November presentation were Drs. G Mao, J Tan, and M-Z Cui. At that same meeting, the following abstracts were presented: "Sequence in the tankers' Kneeloffe decayage sites plays a critical role in γ-secretase-mediated APP processing and Aβ formation" by Drs. J Tan, G Mao, M-Z Cui, M-I Sy, and X Xu. "The GxxG motif in the transmembrane domain of APP plays an essential role in the interaction of CTFβ with the γ-secretase complex and formation of Aβ" by Drs. G Mao, J Tan, M-Z Cui, and X Xu.

**Grants.gov Moving to New Submission Procedure**

Out with PureEdge Viewer—In with Adobe Acrobat

A fter battling with submission quirks using PureEdge Viewer, Grants.gov’s grantees have decided to transition to Adobe Acrobat for submission of grant applications beginning in April. The transition will be complete by June 30, with all applications using Adobe direct.

However, only two versions of Acrobat will be capable, and investigators MUST work from one of these versions for their grants to be submitted correctly. Acrobat versions 9.1.1 and 9.1.2 are approved as compatible with the new system.

After alternate versions of Acrobat will display the application package, once it is submitted, Grants.gov computers will not recognize its contents, causing a delay in submission or acceptance.

Grants.gov offers detailed instructions on how to ensure that the correct version of Acrobat is opening the application package: http://www.grants.gov/web/guides/factoring_faq.pdf. Grant writers are encouraged to view this page and follow its instructions to prevent unnecessary emergencies.

In addition, researchers should download a new application package each time they submit because applications often change from month to month.

**CEM Graduate Students boast First-Author Papers**

F our graduate students in the Comparative and Experimental Medicine program recently learned their first-author papers were published.

Papers by Michael Hance (H Plummer), Hyo Mee Joo (M Sangster), Farrec Toth (N Frank), and Mugdha Sukhthankar (S Baek) were accepted to Breast Cancer: Basic and Clinical Research, Proceedings of the National Academy of Sciences, American Journal of Veterinary Research, and Gastroenterology, respectively.

Hance, Toth, and Sukhthankar are in their 3rd year in the PhD program. Joo is in her 4th year. See “Publications” in this issue and the June issue for full details.

**Web Archives Available for Course on Microarray Technology and Database Applications**

The journal acknowledges that the author retains the right to provide a copy of the final manuscript to NIH, upon acceptance for publication or thereafter, for public archiving in PubMed Central as soon as possible after publication by the journal.

**UTCVM Brings in $888,819 for Sponsored Projects Since November**

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**Research Resource Spotlight**

**Biometrics Platform**

**Applied Computational Genomics Course (ACCG)**

The ACCG is a one-week course to be held May 2-8 at the University of Toronto, Missisauga in Ontario, and in July in Western Canada (location TBD). The Biometrics Platform team designed the ACCG to empower bioinformatics/ biology researchers and students by teaching a hands-on course that outlines tried-and-proven approaches, as well as new developments.

This course will assist researchers and students to increase their efficiency in problem solving by introducing them to the tools and services of the Biometrics Platform. After the course, attendees of the ACCG will have FREE access with a splenic mass by using ultrasonography and contrast-enhanced computed tomography


**Publications**

Cont. From p. 4


Roesel A, Irausquin TD, Scavelli LC, Stefancano JD, DeMarco J, Flood S, Rohrbach BW. Comparative evaluation of the liver in dogs

**Funding Deadlines Listing Near**

<table>
<thead>
<tr>
<th>Deadline</th>
<th>Sponsor</th>
<th>Program</th>
<th>$ Amount</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 1</td>
<td>American Cancer Society</td>
<td>Basic, preclinical, clinical, &amp; epidemiology; Post-docs, Research profs.</td>
<td>44,000-200,000</td>
<td>cancer.org</td>
</tr>
<tr>
<td>Apr. 1</td>
<td>Morris Animal Foundation</td>
<td>Established investigators, first awards, &amp; fellowships (for pre-proposal submission)</td>
<td>7,500-35,000</td>
<td><a href="mailto:morris@sanimfoundation.org">morris@sanimfoundation.org</a></td>
</tr>
<tr>
<td>Apr. 1</td>
<td>Association of Zoos and Aquariums</td>
<td>Animal health, welfare, breeding &amp; reintroduction, education, field conservation, &amp; professional training</td>
<td>10,000-20,000</td>
<td>aaza.org</td>
</tr>
<tr>
<td>May 1</td>
<td>Nestle Purina</td>
<td>Resident or graduate student studies of dog &amp; cat nutritional issues</td>
<td>15,000</td>
<td><a href="mailto:purina@vet.com">purina@vet.com</a></td>
</tr>
<tr>
<td>May 15</td>
<td>AKC Canine Health Foundation</td>
<td>If all proposal requested</td>
<td>12,000+</td>
<td>akc.org</td>
</tr>
</tbody>
</table>
NHI-Funded Researchers Must Submit All Publications to PubMed

As of April 7, a federal law mandates that all publications stemming from National Institutes of Health (NHI)-funded research be submitted to PubMed Central within one year of their publication. The new law follows a previously optional policy, but government officials are seeking even more public access to citizen-funded projects.

Deemed the “Public Access Policy” by NIH, the rule will require authors to retain enough copyright to comply with the deposition order. Most journals already allow PubMed deposits after 12-month period, and some of them, like Gastroenterology, offer authors the option to have their manuscripts deposited automatically by the journal. However, it is up to the authors, who are ultimately responsible, to ensure that the policy is followed.

Journals that see little NIH-funded research published in their pages might not have an appropriate copyright agreement, so it is imperative that authors be proactive before signing a copyright agreement they cannot, by law, follow. One option for authors is to send a copyright addendum to the journal along with the manuscript. SPARC, the Scholarly Publishing & Academic Resources Coalition, offers an author addendum on its Web site (http://www.sparc.org/ sparc) and recommends amending other copyright forms to include the following language:

The journal acknowledges that the author retains the right to provide a copy of the final manuscript to NIH, upon acceptance for journal publication or thereafter, for public archiving in PubMed Central as soon as possible after publication by the journal.

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http://media.ubc.ca/sites/ubc.edu/metadata/EventCatalog/?hid=9f583e7-1-7634-1a3-a67-f78d471786b

Funding Deadlines Drawing Near

Lee, Liggett Win Travel Awards

Jason Liggett, graduate student in Comparative and Experimental Medicine, and Dr. Seung-Ho Lee, research assistant professor in Pathobiology, both received graduate/postdoctoral travel fellowships to attend the Experimental Biology (EB) 2008 Meeting to be held in San Diego in April. More than 13,000 biological and biomedical scientists attend the EB meeting each year. The award consists of up to $1,000 in travel expenses, plus a discounted meeting registration fee.

Liggett and Lee are part of the Environmental Carcinogenesis Laboratory research team at UTVCVM and are mentored by Dr. Seung Jin Baek. The work at the laboratory focuses on the study of gene expression by anti-cancer compounds, found in diet, nonsteroidal anti-inflammatory drugs (NSAIDs), PPARy ligands, and anti-oestrogens.

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This course will assist researchers and students to increase their efficiency in problem solving by introducing them to the tools and services of the Biometrics Software Platform. After the course, attendees of the ACGG will have FREE web access to the Biometrics Platform tools and databases used in the course.

More information on the course, including a list of participants and course materials, is available at the Web site:

http://www.gobiobiometrics.ca/training or E-mail Lisa Bicek, Biometrics Initiatives Project Manager at training@gobiobiometrics.ca (subject: ACGG inquiry).

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