

CPB SCOPE

November 2007

<http://www.vet.purdue.edu/cpb>

Congratulations!

Dr. **Sulma Mohammed** and Dr. **Peg Miller** made it to the cover of the journal *Cancer Epidemiology Biomarkers and Prevention*, with their publication titled "[Spontaneous Mammary Intraepithelial Lesions in Dogs—A Model of Breast Cancer](#)." The co-authors are Elisabetta Antuofermo, Salvatore Pirino, Jun Xie, and Sunil Badve. Dr. Elaine Ostrander, Chief of the Cancer Genetics Branch of the US National Human Genome Research Institute provided a nice [editorial](#).



"Intraepithelial Lesions (IELs) or pre-malignant breast lesions in women are detected with increasing frequency because of routine mammographic screening. Such lesions may indicate increased risk of developing invasive breast cancer. A model for spontaneous IELs, especially for estrogen receptor (ER)-negative lesions, does not exist. In

this study we described the histologic and immunohistochemical similarity between human and canine mammary IELs. The frequency of IELs in the dog, their association with spontaneous mammary cancer, their pattern of ER- α and HER-2 expression, and their histologic resemblance to human IELs may make the dog an ideal model to study human ER-negative (both HER-2-positive and -negative) breast cancer progression as well as prevention and treatment." – Dr. Sulma Mohammed

Dr. **Hugo Ochoa-Acuña** was selected by Dean Reed to receive a Service Learning Faculty Development Grant to be accompanied by a \$2,000 award. Dr. Ochoa-Acuña will attend two workshops on Service Learning and will create and pilot a small Service Learning project for one of his courses or curriculum.

ACVP Young Investigator Awards.

The following graduate students received awards at the ACVP meeting in Savannah, GA:

- Pam Mouser was awarded Second Place in the category of Natural Diseases with a monetary award of \$300
- Robert Johnson was awarded Second Place in the category of Diagnostic Pathology with a monetary award of \$300.
- Julia Lucas was awarded Second Place in the categories of Toxicologic Pathology and Experimental Disease, each with a monetary award of \$300.

Condolences

Pamela Hartman's father, Harold H. Meyer, died on Sunday, October 21st.

Joanne Messick's step father, Robert D. Sauerbrunn, died on Tuesday, November 13th.

Publications

Bangari DS, Mouser P, Miller MA, Stevenson GW, Vemulapalli R, Thacker HL. [Toxoplasmosis in a woodchuck \(*Marmota monax*\) and two American red squirrels \(*Tamiasciurus hudsonicus*\)](#). *J Vet Diagn Invest.* 2007; 19:705-9.

Antuofermo E, Miller MA, Pirino S, Xie J, Badve S, Mohammed SI. Spontaneous mammary intraepithelial lesions in dogs a model of breast cancer. *Cancer Epidemiol Biomarkers Prev.* 2007;16:2247-56.

Lim HW, Kim CH. Loss of IL-7 Receptor {alpha} on CD4+ T Cells Defines Terminally Differentiated B Cell-Helping Effector T Cells in a B Cell-Rich Lymphoid Tissue. *J Immunol* 2007; 179:7448-7456.

Grants

Dr. William Van Alstine
Med Institute
Enteric Device Testing
\$60,060

Dr. Bennett Elzey
National Institute of Diabetes
Platelet Contribution to Thymus-dependent B cell
Immunity
\$100,000

Dr. Larry Glickman
Morris Animal Foundation
Adverse Events in Dogs
\$26,409

Dr. Ching Ching Wu
University of California
University Payments
\$1,860

Seminars

CPB 697 Research Seminar
VPTH 112 - 3:30pm-4:30pm

December 6 – Dina Moustafa & Anurag Sharma

Meeting Calendar 2007

December 2-4, 2007
[CRWAD Meeting](#), Chicago

April 5 – 9, 2008
[Experimental Biology](#), San Diego, CA

April 30-May 2, 2008
[District V AALAS Annual Meeting](#), Cherry Valley
Lodge Newark, OH

Programs

Dr. Joanne Messick will be sponsoring Dr. Ana Guimaraes, a Fulbright-CAPES scholar, in her laboratory. The CAPES-Fulbright program supports education exchanges at the doctorate level that strengthen understanding and communication between the United States and Brazil. Ana Guimaraes, a veterinarian from Brazil, spent 3 months in Dr. Messick's laboratory at Cornell University and is currently finishing her Masters degree in Brazil. Several manuscripts based on this research work have already been published. Dr. Guimaraes will be returning to the United States in August 2008 to continue her pig research work. She was the only veterinarian to receive this prestigious award; the topic for her PhD research is the study of *M. suis*; Dr. Messick's HATCH project is the foundation for her research work.

Events

CPB Employee Recognition Luncheon

The CPB employee recognition luncheon will be held this year on Fri., December 14, 11:45 a.m. in the VPTH main hallway, VPTH 112, and VPTH 109. Details will be provided as the date gets closer. Mark your calendars now, so you won't miss this special event in our department.