On April 23, 2012, the American College of Veterinary Pathologists presented their 8th symposium in conjunction with the American Society of Investigative Pathology at the Annual Meeting of the American Society of Experimental Biology. The session was chaired by Dr. Betsy Uhl, University of Georgia, and co-chaired by Dr. Michael Oglesbee, The Ohio State University. This year’s Symposium focused on Evolutionary Aspects of Animal Models to highlight the critical importance of species-specific considerations in modeling pathophysiological responses. Each of the presentations in the session described differences between human and animal physiology, anatomy, and pathology that affect experimental results. Speakers included Robert Hamlin...
(left), DVM, PhD, Diplomate ACVIM, who spoke on the importance of considering the fundamental physiological differences that have evolved between humans and experimental animals used to model cardiovascular diseases in: “Animals as models of human cardiovascular disease: or the search to overcome outdated evolutionary homeostatic mechanisms”. His talk emphasized the importance of selecting animal models for cardiovascular studies that have the appropriate physiologic, homeostatic, and anatomic features that mimic the modeled species. Stefan Niewiesk (second from left), DVM, PhD, Diplomate ECLAM, discussed evolutionary factors impacting models of infectious diseases in: “Of Mice and Men: Evolutionarily, what are the best rodent models of the human immune system for infectious disease research?” In his talk, Dr. Niewiesk described evolutionary pressures caused by infectious diseases on the immune systems of mice and humans and the consequential divergence of innate immune mechanisms. Also presenting in the symposium was Steven Austad (third from left), PhD, from the Barshop Institute for Longevity and Aging at the University of Texas Health Science Center. In a presentation entitled “Evolutionary Aspects of Animal Models of Aging”, Dr. Austad discussed how changes in phylogenetic categorization, awareness of laboratory selection pressures, and genetic and environmental factors should influence choosing an appropriate animal model. Elizabeth Uhl (right), DVM, PhD, Diplomate ACVP, a veterinary pathologist from the University of Georgia closed the session with “Modeling Disease Phenotypes: How an Evolutionary Perspective Enhances the Questions”. In her presentation, she presented a variety of genetic differences in animal species that affect toxin susceptibility as well as several diseases where knowledge of the animal disease was used to inform human disease processes.

Dr. Jerry Masty and Mr. Chris Frasure Help Students Explore Anatomy

Dr. Jerry Masty and Mr. Chris Frasure, and a group of veterinary student volunteers hosted the Veterinary Explorers Club in the anatomy laboratory in February. The Veterinary Explorers Club is a group of high school students in the Columbus area who have begun to show an interest in veterinary medicine. A variety of specimens indicative of different aspects of animal anatomy was presented to the group. The students who attended the session were introduced to the skeletal differences between the equine and canine species, the anatomy of the mammalian eye, anatomical structures of the ovine brain, and were provided the opportunity to observe and examine body systems in a feline cadaver. This is the fourth year in a row that this outreach activity has been in place and it gains in popularity yearly.
Dr. Thomas Rosol New Appointment in the AVMA

Dr. Thomas Rosol has been appointed to be the liaison for the American Veterinary Medical Association in the American Registry of Pathology (ARP). The ARP provides reference materials for training, quality control, quality analysis, reference materials and continuing education for veterinary pathologists in diagnostic laboratories, academic institutions, private enterprise and government agencies as it has since 1949. The ARP is part of the newly formed Joint Pathology Center (JTC) in Bethesda, Maryland, which includes the disestablished Armed Forces Institute of Pathology.

Graduate Student Accomplishment: Dr. Lisa Berman-Booty Awarded a K01 Grant

Dr. Lisa Berman-Booty was recently awarded a K01 grant for her project entitled "Inhibition of Prostate Carcinogenesis and Tumor Growth By Energy Restriction-Mimetic Agents." Dr. Berman-Booty graduated from the University of Pennsylvania School from Veterinary Medicine in May 2008, and joined the Department of Veterinary Biosciences as an anatomic pathology resident and PhD candidate in June of 2008. She joined Dr. Ching-Shih Chen's laboratory in the Department of Medicinal Chemistry in the College of Pharmacy in June of 2009. Her research focuses on the development and pre-clinical testing of novel compounds (particularly energy restriction-mimetic agents) for the treatment and prevention of prostate cancer in mouse models.

VBS Highlights of the Month:

Publications:


**Aeffner F**, O’Brien M, Birkhold AL, **Stromberg PC**. Pathology in Practice – Feline Porphyria. Accepted (Journal of the American Veterinary Medical Association)


**Awards:**

Astrid Bonnegarde-Bernard received a Travel Award at the 2012 Advance in Veterinary Medicine Research Day. She won in the Immunology & Infectious Disease category for her poster presentation, “Intestinal Epithelial Cells Regulates Airway Allergic Inflammation Through Induction of IgA and IL-17A.” Her mentor is Dr. Prosper Boyaka of the Department of Veterinary Biosciences.

**YouTube Stories:**

Drs. Kathleen Boris-Lawrie and Patrick Green were featured in YouTube clips called "Talks About Progress in Cancer Research." Check out the latest clips, at [http://www.youtube.com/watch?v=0Qt1bJtVQ5c&feature=youtube_gdata_player](http://www.youtube.com/watch?v=0Qt1bJtVQ5c&feature=youtube_gdata_player) [http://www.youtube.com/watch?v=Y708S3ChE78&feature=related](http://www.youtube.com/watch?v=Y708S3ChE78&feature=related)

**Recognition:**

Dr. Eason Hildreth passed his PhD candidacy examination on Wednesday March 14th. Eason’s PhD committee consists of Dr. Thomas Rosol (co-advisor), Dr. Ramiro Toribio (co-advisor), Dr. Matthew Allen, and Dr. Larry Kirschner.

**Staff Feature: Peng Wang**

![Peng Wang](http://example.com/pengwang.jpg)
Peng Wang is a Postdoctoral Researcher in Dr. Xin Li’s lab. He received his B.S. from Nanjing University in 2002 and his PhD degree from The Ohio State University in Biochemistry with Dr. Ross Dalbey in 2009. His graduate research focused on the role of Signal Peptide Peptidase A and YidC in *E. coli* membrane protein biogenesis. His current postdoctoral work is on a Dps homologue protein of Lyme disease agent *Borrelia burgdorferi*. He has also participated in some local Lyme disease research in his workgroup. In his spare time, Peng enjoys reading, traveling and photographing. Welcome Peng to the VBS Family!
Announcements:

University links found on Faculty/Staff web page
Learn about discount programs, homeownership incentives, and other benefits available to university faculty and staff. View university policies, the Academic Affairs Policies and procedures handbook, and other governance policies. Download site licensed software. Check out these and many other links on the Faculty/Staff Web page at http://www.osu.edu facultystaff

College of Veterinary Medicine will host the 5th Annual Pink Week on May 14th-18th
The College of Veterinary Medicine Komen Columbus Race for the Cure Team will have a week of events that include lectures, bake sales, raffles, silent auctions, and so much more. On Tuesday, May 15th from 3-4pm in the Goss lobby we will have the Komen VBS Coffee Break: there will be coffee, tea, and yummy goodies available for a small donation. Please help support a very good cause. If you would like to donate treats for the bake sale, please email Sue Ringler at ringler.1@osu.edu our VBS Komen representative for more information. Stay tuned to more details of the Pink Week Activities in May.

Wellness News: April is Stress Awareness Month
April is Stress Awareness Month. This is a great opportunity to assess the sources of stress in your life, learn about effective coping skills, and work on ways to reduce the stress you experience on a daily basis. Healthy ways of coping with stress may include:

- Using social support
- Expressive writing
- Deep breathing
- Mindfulness
- Staying active
- Progressive muscle relaxation

For more information on managing stress, go to: http://www.stressmanagementtips.com/workplace.htm

For comments or suggestions for our newsletter, please contact Ms. Elizabeth Hope, Program Assistant at hope.18@osu.edu Department of Veterinary Biosciences.