1. Dr. Yasuko Rikihisa Cited in The Scientist Magazine Cover Story called “Mafia Wars”
2. Dr. Lynne Olson as the 2009 Nemzer Award Recipient
3. Dr. Nong Inpanbutr Appointment to the eLearning Advisory Committee
4. Announcements
5. Wellness News: July is Social Wellness Month
6. Selected Presentations & Awards
7. Staff Feature: Misty Bear

The news story highlights the “cellular battle between pathogens and hosts” underscoring the complexity of these interactions. Specifically, Dr. Rikihisa addresses how bacteria can modify their cell surface in order to survive within white blood cells. “By removing LPS and peptidoglycans [from the bacterial cell surface], the macrophages and neutrophils cannot recognize these bacteria as a pathogen, so they can enter into [the cells] like stealth pathogens,” says molecular microbiologist Yasuko Rikihisa of the College of Veterinary Medicine at The Ohio State University. “Without being recognized, they can enter, survive, and replicate, and kill the leukocytes eventually."

The lack of these key cell membrane components, however, is not without consequences, Rikihisa adds. Without LPS and peptidoglycan, “their membrane structure becomes more fragile”. To compensate, the bacteria take up cholesterol from host cells, which stabilizes their membranes. In fact, Rikihisa and her colleagues found that A. phagocytophilum infection rates were 10 times higher in mice fed a high-cholesterol diet than in those on a normal diet. “So the cholesterol is helping [the pathogen],” she says. For more of the story, go to

Mafia Wars - The Scientist - Magazine of the Life Sciences
http://www.the-scientist.com/2010/6/1/40/1/#ixzz0poAT94al
Dr. Lynne Olson is the 2009 Nemzer Award Recipient

Dr. Lynne Olson, professor in the Department of Veterinary Biosciences received the 2009 Nemzer Award presented by the Ohio State chapter of the American Association of University Professors. The Nemzer Awards recognizes individuals who have made noteworthy contributions to the principles of academic freedom and faculty rights. The award is named in honor of Professor Louis Nemzer, an OSU faculty member who consistently and extensively promoted faculty rights. He was a professor of Political Science and Chairman of the Committee of Inquiry, which was launched after the OSU student unrest and occupation of OSU by the Ohio National Guard following the Kent State killings 40 years ago.

The award is given out by the OSU Chapter of the American Association of University Professors (AAUP). Dr. Olson has been an AAUP member for decades. She has served as treasurer of the OSU Chapter for several years and chaired the Faculty Hearing Committee of the University Senate. The AAUP supports the higher education system by promoting the principles of academic freedom, shared governance, and tenure. For more information about the Nemzer award, go to http://osuaaup.osu.edu/nemzier_award.html

Dr. Nong Inpanbutr Appointment to eLearning Advisory Committee by Provost Alutto

Dr. Nong Inpanbutr was appointed by Provost Joe Alutto to serve as a member of a newly initiated eLearning Advisory Committee. Her primary responsibilities of the committee will be to provide advice and guidance for eLearning programs, activities and investments, sponsor eLearning projects and review policies and fees related to eLearning. The committee is co-chaired by Kathleen Starkoff, Chief Information Officer, and Carol Diedrichs, Director of University Libraries. Three executive sponsors were identified to lead the work and to provide insights in support of this important initiative. They are Wayne Carlson, Dean for Undergraduate Education/Vice Provost for Undergraduate Studies; Patrick Osmer, Vice Provost for Graduate Studies/Dean of the Graduate School; and Susan Williams, Vice Provost for Academic Policy/Faculty Resources. As a member of OSU community and commitment to excellence in teaching and learning with technology, Dr. Inpanbutr will bring invaluable experience and
insight to the task of extending eLearning at Ohio State.


**Announcements:**

**Learn How To Succeed Financially: Who's Who in Real Estate**
Tuesday, July 13 from 12-1 pm held at 1590 N. High St., suite 430, room 425. Class description and registration available at http://hr.osu.edu/finseries

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/

**Pelotonia Team Fights Cancer**

A College of Veterinary Medicine
Pelotonia Team has been formed to fight cancer. The College of Veterinary Medicine is highly interactive with the OSU Comprehensive Cancer Center. Productive partnerships have been formed related to cancer research between both institutions at multiple levels from shared leadership, faculty, programmatic grants, to research programs. Pelotonia is a grassroots bike tour with one goal: to end cancer. It is a cycling experience that will take place August 20th-22nd. The ride will span two days and will cover as many as 180 miles. The team would appreciate your help to reach their fundraising goal. Large or small, every donation makes a difference. 100% of every donation will fund essential research at The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute.

When you follow the link below, you will find the link for the College of Veterinary Medicine Team for a simple and secure way to make any size donation you wish. Please consider supporting our effort and this great cause. **Also if you can ride a bike, please consider joining the team by becoming a rider and let Team Captain Dr. Michael Lairmore (lairmore.1@osu.edu) know your id number!**

Here is the link to the College Team: http://www.pelotonia.org/ride/team_profile.jsp?MemberID=61590

**Wellness News: July is Social Wellness Month**

July marks Social Wellness Month. Social wellness encompasses the idea of having positive interactions with others since we are all social beings. It involves developing and building close bonds of friendship and intimacy, practicing empathy, and effective listening, and caring for others and for the common good. Research shows that those with a strong social network tend to live longer and respond better to stress; having healthy social networks enhances the immune system's ability to fight off infectious diseases.

For more information, go to http://www.definitionofwellness.com/wellness-calendar/social-wellness-month.html
Selected 
Grants/Appointments/Awards

Grants:

**Dr. Prosper Boyaka** was one of 11 recipients to receive the 2010-2011 Food Innovation Research Award on his project entitled “Implications of Vitamin A Deficiency for Host Protection Against Enteric Pathogens.”

Appointments:

**Dr. Thomas Rosol** has been recruited to join the Complementary Resources Task Force for the American College of Veterinary Pathologists (ACVP) and lead a subcommittee on determining the impact of technology on the College with emphasis on digital pathology in academe and industry. A technical report will be produced and presented to the ACVP Council.

Awards:

**Dr. Famke Aeffner** was accepted to attend the annual one week workshop "Phenotyping Mouse Models of Human Lung Disease" hosted by the Jackson Laboratory in September in Bar Harbor, Maine.

**Dr. Kendra Wolk** of the Davis lab was awarded a position on the T-32 Institutional National Research Service Award in Mouse Models of Human Disease, which began on June 15, 2010, and provides eligibility for up to two years of support for this proposed work. She plans to investigate the role of adenosine in the pathogenesis of acute lung injury and influenza infection.

**Dr. Tracey Carlson** received an official award notification for the K01 SERCA career scientist award (through NCRR/NIH).

2009-2010 Presentation & Publication Award Winners

We recognized award winners at our Department of Veterinary Biosciences annual picnic. Overall award winners received plaques and money awards. The first place award was $250 and second place award was $100.

Presentation Award Winners by Quarter

**Autumn Winners**

1st Place: Eason Hildreth BS, MS, DVM

Advisor: Drs. Rosol/Toribio

Title: “The role of full-length parathyroid hormone related-protein in the commitment and differentiation of cells of the osteoblast lineage”

2nd Place: Wei Jing BS

Advisor: Dr. Boris-Lawrie

Title: “Defining Molecular Interactions of RNA helicase A that Regulate Translation”

**Winter Winners**

1st Place: Stacey Fossey, BS, DVM

Advisor: Dr. London

Title: “The Novel Curcumin Analog FLLL32 Exhibits Biologic Activity Against Human and Canine Osteosarcoma”

2nd Place: Jennifer McCleese: BS, DVM

Advisor: Dr. London

Title: “Evaluation of the Role of Met Interactions in Canine Osteosarcoma”
Spring Winners

1st Place: Chelsea Martin, DVM
Advisor: Dr. Rosol
Title: “Mechanisms and treatment of bone resorption in models of oral squamous cell carcinoma”

2nd Place: Jillian Werbeck, B.S.
Advisor: Dr. Rosol
Title: “Genetic contributions of the tumor microenvironment in breast cancer metastasis”

Overall Presentation Award Winners for 2009-2010

1st Place: Chelsea Martin
2nd Place: Jillian Werbeck
Advisor: Dr. Rosol

Publication Awards Winners:

1st Place Amit Sharma
Advisor: Dr. Boris-Lawrie


**Note: Nucleic Acids Research paper was also featured as a cover illustration.

2nd Place Tracy Carlson
Advisor: Dr. Schlesinger

Staff Feature: Misty Bear

Misty Bear is a Research Associate in the London lab since March of 2006. Her lab primarily researches the effects of novel inhibitors on osteosarcoma and mast cells tumors. She received a B.S. in Agriculture (major in Animal Science & Industry) from Kansas State University in August of 2002. Having grown up in Kansas, she moved to Ashland, Ohio in April 2003 for her first “real job” after graduating from KSU. This is where she met her husband, Mike. They have been married for 5 ½ years and have a house full of “fur kids,” which includes 4 retired racing Greyhounds and 3 cats (all of which are rescues).

All of her free time and energy is devoted to volunteer activities with two different nonprofit organizations. She is the assistant volunteer coordinator for Shelter Outreach Services of Ohio, a local nonprofit spay/neuter clinic. She also is a volunteer and a “foster mom” for Central Ohio Greyhound Rescue. Fostering and finding homes for newly retired racing Greyhounds has been an extremely rewarding experience; as such, she is currently enrolled in the Nonprofit Leadership Certification program at OSU so that she may start her own Greyhound related nonprofit. Welcome Misty to the VBS family!

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