April 2011
Issue 113
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Research may lead to better vaccines for children

(Pictured: Dho hyung Kim and Dr. Stefan Niewiesk)

Dr. Stefan Niewiesk’s work to elucidate the immunology of vaccination in the presence of maternal antibodies was recently a feature article in the Columbus Dispatch. Maternal antibodies interfere with vaccination against infectious diseases of human and veterinary significance. The insights gained from this work in the cotton rat model are being applied to improve of efficacy of vaccines for newborns and infants. This knowledge will also be applicable to a variety of virus infections where the stimulation of a B cell response after vaccination is
insufficient and to vaccination against cancer cells. Key research findings from the cotton rat model are detailed in a recent article in Blood (see March BIOs).

To read more of the story in the Columbus Dispatch, go to: http://www.dispatch.com/live/content/science/stories/2011/03/13/how-a-rat-might-fix-pediatric-vaccinations.html

Veterinary students interested in a pathology career

In this April issue, we wanted to spotlight graduate students that are interested in a pathology career.

Bonnie Harrington, a veterinary medical student in the class of 2012, performed an externship at Seventh Wave, a contract research organization operated by a VBS, Dr. John Sagartz. This was a great opportunity for Bonnie to get hands-on experience working with industry pathologists and research teams. Results from her externship were accepted for a poster presentation at the Society of Toxicology annual meeting net March in Washington D.C. This externship built on her previous research experiences as a Morris Animal Foundation Veterinary Student Scholar in the laboratory of Dr. Bill Kisseberth, College of Veterinary Medicine. Work performed in that laboratory was presented at the 2010 Merial symposium. At that event, more than 300 posters were presented and Bonnie was one of two Ohio State veterinary students who were recipients of Best Poster Awards. Her poster was "MicroRNA Expression in Biologically High Grade Canine Mast Cell Tumors".

Eva Kaufmann finished an eight-week externship on April 8th in the Department of Veterinary Biosciences. Eva is a fourth year student from Heppenheim (Bergstrasse), Germany and a veterinary student attending Giessen University. Her externship consisted of a six-week rotation in applied pathology in addition to virological research performed in the laboratory of Dr. Steve Krakowka. Eva commented positively on the benefit of being able to learn more about American culture and the diversity at the University.
Outreach and Engagement: VBS staff participated in OSU Spring Break Alternative Trip

At Ohio State, spring break isn't all about the beach and soaking up the sun. Dr. Holly Borghese and Elizabeth Hope, staff members in the Department of Veterinary Biosciences, served as advisors for Buck I Serv alternative spring break trip. The Buck-I Serv trip was a week long, substance-free service project performed outside the Columbus area. Groups of students work alongside an agency to learn more about the needs and capacities of that organization, social issues in the host area, and how these issues connect to their home communities. Through service projects, group teambuilding experiences, and reflection activities students participate in a broad service-learning experience.

During Holly's trip, she accompanied five students, two of whom were student leaders, on an alternative spring break trip to Chicago, IL. They served at Camp Misericordia, a residential and vocational facility for disabled children and adults. Elizabeth led nine students to Dallas, TX where they volunteered at the North Texas Food Bank, a nonprofit hunger relief organization that distributes donated, purchased, and prepared foods through a network of 1,146 feeding programs in 13 North Texas counties. Through extended hands-on service experiences in diverse places around the country and world, this program aims to inspire student leaders to have life-long dedication to service to others and social justice activism in their current and future communities; Buck-I-Serv trips instill a passion for service and a commitment to continue to give back to the community.

Achievements for the CPMPSR’s Andrea McBride

Please join the Comparative Pathology & Mouse Phenotyping Shared Resource in congratulating Andrea McBride for her recent, major accomplishments! On March 12th, Andrea successfully passed the Medical Laboratory Technician (MLT) certifying examination administered by the American Society for Clinical Pathology (ASCP) following her graduation from the Medical Laboratory Technology Program at Columbus State Community College. There was minimal downtime for her to reflect on this impressive professional milestone as it was followed closely by the birth of her first son, Andrew Jeremy, with her husband Jeremy on March 26th at 4:19 am! The new family is doing well, and we look forward to her return in May!
Selected Publications & Invitations:

Publications:


Invitations:


Dr. Yasuko Rikihisa gave a presentation entitled “A microbial strategy to multiply in phagocytes” at the Gordon Research Conferences Tropical Infectious Diseases in Galveston, TX on March 13-18, 2011.

Announcements:

Learn How to Succeed Financially: Budgets Don’t Work—Now What?
Tuesday, April 19 from 12-1 Office of Human Resources
1590 N. High Street Suite 430, Room 425

Presenter: Robert Reed, Chief Financial Planner, Reed Financial Planning
We fall at budgets as often as we fail at diets. There are simple rules, however, to help you create a spending plan that actually works. All of us can spend our money more effectively, and this presentation shows you how.

Staff Feature: Junji Matsuo

Junji Matsuo is a Post Doctoral Researcher in Dr. Yasuko Rikihisa’s lab. He grew up in Japan where he attended Kobe University to obtain his M.Sc. in Parasitology. After graduation, he received his Ph.D. in Microbiology from Hokkaido University Graduate School of Medicine, Japan. Currently, he is working on type IV secretion system and cyclic di-GMP signaling of human monocytic ehrlichiosis (HME) agent, Ehrlichia chaffeensis. In his free time, he enjoys shopping and visiting new places. We are all happy to have Junji in the VBS family!
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 4th Annual Pink Week on May 9th-13th
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 Thursday, May 5th 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.