



October 12, 2009

cvmnews@oregonstate.edu

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Calendar

Monday, October 12

- ◆National Veterinary Technician Week, Oct 11-17
- ◆VBMA Club introductory meeting. Lunch provided. M102, 12:00-1:00
- ◆Zoo Wildlife Club talk, presented by Bree Beechler, OSU CVM '08. M298, 12:00-1:00

Tuesday, October 13

- ◆SCAVMA pet food sale, SCAVMA store, 12:00-12:45
- ◆IVSA information meeting. Lunch provided. M208, 12:00-1:00
- ◆CVM Guest Speaker Seminar Series: Dr. Siba Samal, Virginia-Maryland Regional CVM, presents, "Novel Newcastle Disease Virus Vector Vaccines for Avian Influenza." Pizza snack. M102, 12:00-1:00
- ◆AAEP Foal and Colic Team information meeting, M298, 12:00-1:00

Wednesday, October 14

- ◆House Officer rounds, M202, 8:00-8:30
- ◆Necropsy rounds, M125 (necropsy gallery), 8:30-9:30
- ◆Royal Canin "General Nutrition," presented by Dr. Molly McAllister, OSU CVM '04. M102, 12:00-1:00
- ◆IVSA Nicaragua Trip Group: "Envirovet Experience," presented by Jenny Mitchell '11. Dessert provided, M298, 12:00-1:00
- ◆Pathology Club meeting, M102, 5:00-6:00

Thursday, October 15

- ◆Senior papers: "Veterinary Perspectives on Leptospirosis in Oregon," presented by Cathy Pierce; Dr. DeBess, advisor. "TKI and Mast Cell Tumors," presented by Carla Lerum Webb; Dr. Helfand, advisor, M102, 8:00-9:00
- ◆CVM tour: Dr. Derrick Hall, Magruder Lobby, 8:00-9:00
- ◆"What the AVMA can do for you!" presented by Dr. Derrick Hall, student AVMA advisor. Lunch provided. M102, 12:00-1:00
- ◆Theriogenology Club introductory meeting, M298, 12:00-1:00
- ◆Pathogenesis Research in Progress Seminar (PRIPS), Schuster (bacterial biofilms), Kent (fish diseases) labs. Dryden 213, 12:00-1:00
- ◆SCAVMA pet food sale, SCAVMA store. Please note new Fall hours: 4:30-5:30

Friday, October 16

- ◆LA Surgery Journal Club rounds, M269, 7:30-8:30
- ◆Cytology rounds, M125, 8:00-9:00
- ◆U.S. Army lunch talk, presented by Sgt. Ratley. Lunch provided. M102, 12:00-1:00
- ◆Alpha Psi informational meeting, M298, 12:00-1:00

Saturday, October 17

- ◆"Day with the Experts," all day workshop sponsored by VBMA. Lunch provided. M102, 9:00-4:00

Monday, October 19

- ◆"Update on Influenza in Dogs and Cats," presented by Dr. de Morais. M102, 12:00-1:00
- ◆National Institute of Health (NIH) Companion Animal meeting for interested academic and research faculty, presented by Dr. Luiz Bermudez. M288, 12:00-1:30
- ◆CVM tour: high school science class – 12 people, Magruder Lobby, 12:00-1:00
- ◆CVM tour: 4H group – 15 people, Magruder Lobby, 12:00-1:00

Tuesday, October 20

- ◆CVM Research Seminar series: DeeDee Harwell (Hall Lab) presents, "Comparison of Se Status in Beef Cattle After Short-Term Exposure to High-Se-Fertilized Forage or Mineral Supplement": "Effect on Neutrophil Phagocytosis and Antibody Production." Heather Broughton (Jolles Lab), (TBA): M102, 12:00-1:00
- ◆SCAVMA pet food sale, SCAVMA store, 12:00-12:45

Wednesday, October 21

- ◆House Officer rounds, M202, 8:00-8:30
- ◆Necropsy rounds, M125 (necropsy gallery), 8:30-9:30
- ◆Novartis product Atopica, presented by Dr. Marc Cohen. Lunch provided. M102, 12:00-1:00
- ◆CVM tour: middle school science class – 25 people, Magruder Lobby, 12:00-1:00

Thursday, October 22

- ◆Senior papers: "Honey: Bee Spit or Wound Dressing," presented by Erika Raines; Dr. Séguin, advisor. TBA, Linnia Munro; Dr. Scollan, advisor. M102, 8:00-9:00
- ◆Town and Country Animal Clinic, presented by Dr. Jen Malter, OSU CVM '08, M102, 12:00-1:00
- ◆SCAVMA pet food sale, SCAVMA store. Please note new Fall hours: 4:30-5:30

Friday, October 23

- ◆LA Surgery Journal Club rounds, M269, 7:30-8:30
- ◆Cytology rounds, M125, 8:00-9:00
- ◆"Retroviruses and Retrovirus testing," presented by Dr. Steven Watters of Fort Dodge. Lunch provided. M102, 12:00-1:00

National Veterinary Technician Week, October 11-17

Veterinary technicians play an integral role in delivering the best medical care possible to animals. The National Association of Veterinary Technicians in America (NAVTA) recognizes the contributions of veterinary technicians each year during National Veterinary Technician Week. NAVTA has proclaimed the third week of each October to be National Veterinary Technician Week. Hill's Pet Nutrition is sponsoring the celebration, which includes a poster campaign.

This year the theme is "Linking the Veterinary Healthcare Team." The focus is on how veterinary technicians work closely with veterinarians, veterinary assistants, practice managers, patients, and owners to provide an important link with all those involved in the care process.

The VTH clinicians and staff are honoring their veterinary technicians with a luncheon.

Please thank them as you see them this week.

More information about NAVTA and this event can be found at www.navta.net.



Small animal technician Janice Hutcheson with a patient in ICU.

Advanced Imaging Techniques Seminar

Learn about the benefits of diagnostic imaging techniques for small and large animal patients. The seminar is Saturday, Nov. 21, from 9 a.m.-noon in room 102 of Magruder Hall, College of Veterinary Medicine, Oregon State University.

The program is designed as continuing education for veterinarians. It will include a presentation on "Advanced Imaging Techniques" given by Dr. Susanne Stieger-Vanegas, ECVDI; a review of "Some Interesting Large Animal Cases" by Dr. Michael Huber, ACVS; and a demonstration of the Computed Tomography (CT) scanner by Jason Wiest, CT technician. For additional information and registration instructions, go to <http://oregonstate.edu/vetmed/veterinarians/continuing>.



Drs. Di Concetto (L) and Stieger (R) preparing an alpaca for CT.

Dr. Dan Rockey Awarded ARRA Challenge Grant for his proposal Genetics and Recombination in Chlamydia

Dr. Dan Rockey was awarded an American Recovery and Reinvestment Act Challenge Grant in September for his research on the genetics of *Chlamydia*. The support is for almost \$500,000 per year for two years and is collaboration between his laboratory and the University of Washington College of Medicine laboratory of Walter Stamm and Bob Suchland. These research groups have collaborated on NIH-supported *Chlamydia* research for several years.

"The NIH Challenge Grant program was highly competitive. Selection of Dr. Rockey's grant for funding is clear evidence of the quality of his research. His studies on the molecular pathogenesis of *Chlamydia* will advance our ability to control infectious diseases in both animals and people," said Dean Cyril Clarke.

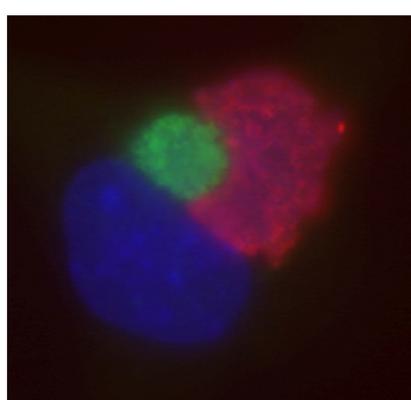
It is well known that *Chlamydia* causes diseases such as pelvic inflammatory disease and blindness in humans. Less known by most people is that chlamydial species also infect many animals and cause arthritis, pneumonia, respiratory illness, and abortion in these hosts. These conditions are well known to veterinarians who specialize in sheep and bird species; other animals such as Koalas are significantly affected by chlamydial infection.

Dr. Rockey's lab studies *Chlamydia suis* a pathogen of pigs, which they have recently shown encodes tetracycline resistance that allows the organism to grow in tetracycline-treated pigs. This is the only example of tetracycline resistance in any obligate

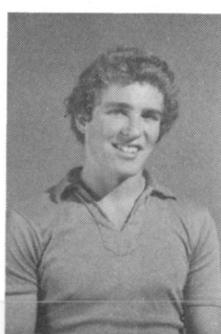
intracellular pathogen, and is the first example of any chlamydial species acquiring a stable antibiotic resistance marker in a clinical setting. *Chlamydia* does not easily acquire DNA so it is difficult to create mutations to study gene behavior. Dr. Rockey and his team of researchers have developed tools to get around this problem using a combination of bacterial recombination and genome sequencing.

The overall goal of this work is to identify the function of different *Chlamydia* genes in order to assist in drug and vaccine design. Because chlamydiae infecting animals and humans are quite similar, all work conducted in this project should have applications in both human and veterinary medicine.

Dr. Rockey's graduate students, Brendan Jeffrey and Kelsi Sandoz, are the primary scientists involved in the project. These students work in our college and are enrolled in the cross-campus Molecular and Cellular Biology Program.



A single mouse cell (nucleus in blue) infected with two different chlamydial species. Collections of these bacteria, shown green or red in this picture, live in separate vacuoles in the cell. Researchers in the Rockey laboratory examine how these different bacteria exchange DNA within infected cells. Photograph courtesy of Kelsi Sandoz, OSU.



Bruce W. Mueller

Dr. Mueller's class photo as a first year veterinary student.

Dr. Bruce Mueller selected as an OSU Alumni Fellow

Dr. Bruce Mueller attended OSU as a member of the fourth class of the OSU College of Veterinary Medicine. Growing up in Oregon, he raised beef cattle and always wanted to be a veterinarian, so the new veterinary college was a perfect fit. Dr. Mueller graduated from OSU with his DVM in 1986.

He accepted a position with the Peace Corps in Tanzania where he worked with local dairy farmers. By 1989 he was married to his wife Kathryn. The young couple left Tanzania in 1991 to work with the Pula herding people in Senegal on behalf of the Evangelical Lutheran Church in America. They stayed in West Africa until 2001. By the time they moved back to the U.S., they had a growing family. Today, they have four children: Patrick, 14; Tabitha, 13; Silas, 10; and Seth, 5.

Back in the States, Dr. Mueller opened a private large animal veterinary practice. In 2003, he became State Field Veterinarian for the Oregon Department of Agriculture where he still works. In addition to serving farmers in the northwest corner of Oregon, he develops and administers disease control programs to combat Avian Flu and John's disease on state and national levels.

Dr. Mueller and his family currently live on 60 mostly-wooded acres where they raise livestock and a large production garden, but they still get back to Africa occasionally to visit the farmers and herders they worked with for 15 years, and to see the impact those programs still have on people's lives.

As part of the Alumni Fellows Homecoming Weekend activities, Dr. Mueller will spend Friday, October 30, at the College. He is scheduled to meet with the first-year class, give a noon seminar titled "Veterinary Service in Muslim Africa and Beyond: 1986-2009," and will meet with students with an interest in international veterinary medicine practice.

Other past Alumni Fellows from the College are Drs. Helen Diggs and Scott Campbell.

Camelid Course VMC742 spans two weeks

This year's camelid course, Sept. 28-Oct. 9, attracted veterinary students and veterinarians from eight different veterinary schools in the United States and Canada and a veterinarian from Belgium.

Participating OSU-CVM faculty were Drs. Chris Cebra (course instructor), Terri Clark, Rob Bildfell, Tom Riebold, Michelle Kutzler, Mike Huber, John Schlipf, Susan Tornquist, Susanne Stieger-Vanegas, Stacy Semevolos and Erica McKenzie. Radiology technician, Becki Francis, and senior research assistant, Nadette Stang, were important support to the program.

As in previous years, Dr. Pat Long from Camelid Healthcare Services in Corvallis gave a lecture and lab on dystocia. Also back from previous years, local camelid expert, Glen Pfefferkorn, assisted this year with a field trip to Justin Timm's farm, Frog Pond Llamas and Suri Alpacas, located in Wilsonville, Ore.

This two-week course offered lectures and labs on camelid anatomy, herd health, reproduction, dermatology, dystocia, camelid anatomy, herd health, fractured limbs, various medical procedures, field necropsy, surgery, radiology, pain management, antibiotics, neurology and downer camelids, and other topics.



Angela Goerndt
Pathology Laboratory Coordinator

Angela, originally from Albia, Iowa and holding a Bachelor of Science degree in Animal Science from Iowa State University, has recently joined the VDL as the new Pathology Laboratory Coordinator. Most recently she was the Associate Facilities Manager at Laboratory Animal Resources, just across the railroad tracks from Magruder Hall.

Angela now manages the necropsy service area and assists with the pathology curriculum. She is also the contact person for any and all questions related to necropsy services, animal disposal, collection of tissues, etc., for the VDL.

Before moving to Oregon, Angela worked for the National Veterinary Services Laboratories/USDA/APHIS in Ames, Iowa and was a member of the Institutional Animal Care and Use Committee there. She is a certified Laboratory Animal Technician through the American Association of Laboratory Animal Science. Her office is just off the northeast corner of the Necropsy room. Please stop by and say hi. She is looking forward to meeting everyone!