



University of Missouri

College of Veterinary Medicine

[Applying](#) | [Calendars](#) | [Contact](#) | [News & Events](#)

Search

INFORMATION FOR:[Admissions Guide](#)[Current Students](#)[Alumni & Friends](#)[Faculty & Staff](#)[Veterinarians](#)[About the College](#)[Departments](#)[Teaching & Research](#)[Giving to Vet Med](#)[Teaching Hospital](#)[Veterinary Medical
Diagnostic
Laboratory \(VMDL\)](#)[CVM Employment](#)[Zalk Veterinary
Medical Library](#)[CVM Course Materials](#)[MyZou](#)[Home](#)

NEWS & EVENTS

Experts in Comparative Respiratory Medicine Meet at MU

The University of Missouri hosted the 2012 Veterinary Comparative Respiratory Society's 30th Annual Symposium Oct. 22-25, at the Donald W. **Reynolds Alumni Center**. The VCRS is a not-for-profit organization that provides a forum for the discussion of the anatomy, physiology, and pathophysiology of the respiratory system, and the diagnosis and treatment of respiratory disease in all animals. The theme for the 2012 symposium was Mucosal Immunity, Inflammation and the Lung.

Carol Reinero, DVM, PhD, an associate professor of small animal internal medicine at the MU College of Veterinary Medicine, is the 2012 president of the VCRS and was responsible for organizing the conference.

"It was a wonderful opportunity for the University of Missouri to host this international conference and bring together the experts in the field of comparative respiratory medicine," Reinero said. "We had representation from eight countries and from all over the U.S. attending the symposium, and presentations of clinical and basic science respiratory research in mice, cats, dogs, sheep, cows, horses and humans. Our College of Veterinary Medicine has taken a strong lead in promoting the "One Health/One Medicine" initiative, and by hosting this 74conference, we again highlight our active international leadership in this arena."

Among the highlights of the symposium was a one-day laboratory on the use of flow cytometry in respiratory research applications presented by Peggy Just, research and development director at eBioscience, and Emily Zalamea, technical



Dr. Elizabeth Rozanski of Tufts University, treasurer for the Veterinary Comparative Respiratory Society (left), presents Dr. Carol Reinero, 2012 president of the VCRS, with a plaque recognizing her contributions to the organization.

support manager at eBioscience. Flow cytometry is a technology routinely used in the diagnosis of health disorders, but that also has applications in research and clinical trials. The lab included an introduction to flow cytometry, a look at intracellular flow cytometry, apoptosis, or cell death, cross-reactivity for veterinary species and applications for the technology in veterinary research.

The scientific meeting also featured thematic presentations by international experts and presentations of oral and poster research abstracts by graduate students and other attendees. Presentations included a number of topics including, "Pulmonary mucosal immunology: The basis for designing vaccines to protect the respiratory tree," "Epigenetic contributions to lung disease," "Chronic respiratory inflammation, air pollution, and the role of epithelial cells," "CT imaging of inflammatory lung diseases in awake dogs and cats: What do we gain, what do we lose?" "Gamma herpes viruses and lung fibrosis: Lessons learned from equine herpes virus-5," "Innate immune responses of the perinatal lung and susceptibility to respiratory syncytial virus," "Bioinformatics of host-pathogen interactions: Linking data and phenomena," "New insights into stem cell modulation of airway inflammation in asthma," "Surprising connections between allergic asthma, immunity and breast cancer," and "Tyrosine kinase inhibitors as a treatment for allergic asthma."



Dr. Jeff Bryan, associate professor of veterinary oncology at the MU College of Veterinary Medicine, listens to a question from the audience following his presentation on the topic "Epigenetic contributions to lung disease," during the VCRS symposium.

[Return to News and Events home](#)

College of Veterinary Medicine
W-203 Veterinary Medicine Building
Columbia, MO 65211
Phone: (573) 882-3554
E-mail: cvmwebmaster@missouri.edu



©2005 Curators of the University of Missouri
DMCA and other copyright information.
an equal opportunity/ADA institution

Last Update: November 5, 2012