The NDSU Veterinary Diagnostic Laboratory (NDSU-VDL) Seminar is a daylong continuing education event hosted by NDSU VDL faculty and staff. Its purpose is to provide current information on a variety of pertinent topics and present suggestions on a more effective use of the VDL. The seminar will provide 6 hours of continuing education for veterinarians and veterinary technicians.

8:30-9:30 a.m. Viral Infections of Dogs and Cats ................................................... Dr. Hana Van Campen
What’s New, What’s Unusual?

9:30-10:30 a.m. Antimicrobial Stewardship in Health Care ................................. Dr. Paul Carson

10:45 a.m.-Noon Emerging Viruses From a Veterinarian’s Point of View ....... Dr. Hana Van Campen

Noon-1 p.m. Lunch — Robinson Hall, NDSU Veterinary Technology Building

1-1:45 p.m. Avian Influenza ........................................................................................ Dr. Sara McReynolds

1:45-2 p.m. Break

2-3:15 p.m. The Pet Detective: Cases .................................................................... Dr. Hana Van Campen

3:15-4 p.m. Preanalytical Medicine: ....................................................................... Dr. Claire Miller
Sampling for Diagnostic Accuracy

The cost is $60 per person. This includes proceedings, refreshments and lunch. Sessions start at 8:30 a.m. and end at 4 p.m. Please register by May 9, 2016.

Registration Form - Diagnostic Laboratory Seminar - May 19, 2016

Name ____________________________________________ Phone __________________________

Address __________________________________________________________________________

City ______________________________________ State _______________ ZIP _______________

Please make check payable to NDSU and send along with this registration form to:
Mary Finseth, Veterinary Diagnostic Laboratory, NDSU Dept. 7691, PO Box 6050, Fargo, ND 58108
**Speakers**

**Dr. Hana Van Campen**

Hana Van Campen received a B.S. in Genetics and M.S. in Animal Science from the University of California, Davis, a D.V.M. degree from Purdue University and a Ph.D. in Veterinary Science from the University of Wisconsin-Madison. She is a Diplomate of the American College of Veterinary Microbiologists. Van Campen has 29 years of research experience with viral diseases of animals and diagnostic veterinary medicine. She recently retired as professor of Microbiology at Colorado State University and section head for the CSU Veterinary Diagnostic Laboratory's Virology and Molecular Diagnostic sections. She is involved in research projects on the molecular biology of fertility in dairy cattle and the effects of maternal infection on disease resistance at the Animal Reproduction and Biotechnology Laboratory at CSU.

**Dr. Paul Carson**

Paul Carson is an infectious disease specialist who has practiced clinical infectious disease for the last 25 years. He received his medical degree from the University of North Dakota School of Medicine, and completed his internal medicine training at the University of Nebraska and infectious disease fellowship at the University of Minnesota. He is the director of infection prevention at Sanford Health in Fargo, and developed and oversees its antimicrobial stewardship program. He is a professor at the UND School of Medicine and recently joined the faculty at NDSU in the Department of Public Health, where he teaches, conducts research and directs the management of Infectious Diseases track in the Master of Public Health graduate program.

**Dr. Sara McReynolds**

Sara McReynolds is assistant state veterinarian for North Dakota. She received her D.V.M. and M.P.H. from Kansas State University. McReynolds spent a few years in a mixed animal practice before returning to Kansas State University to complete her Ph.D. in epidemiology. Her dissertation research focused on modeling of disease transmission and control practices for foot and mouth disease. Prior to joining the North Dakota Board of Animal Health, she completed a fellowship at the National Center for Foreign Animal and Zoonotic Disease Defense and an internship at the Department of Homeland Security. She has presented extensively at national meetings and published multiple articles regarding control measures for and impacts of foot and mouth disease.

**Dr. Claire Miller**

Claire Miller graduated with her D.V.M. from Washington State University (WSU) in 2008 and completed a combined Clinical Microbiology Residency/Ph.D. program at WSU/Washington Disease Diagnostic Laboratory in 2014. Miller’s doctoral research involved the investigation of DNA methyltransferase function on global gene and protein expression in Salmonella Typhimurium. Now section head of Bacteriology, Virology and Serology at the NDSU Veterinary Diagnostic Laboratory, her main focus is clinical microbiology and collaborative, diagnostic-based research.