

POULTRY INSTITUTE 2016 PROGRAM
 SPONSOR: Avian Health & Food Safety Laboratory, Washington Animal Disease Diagnostic Laboratory, Washington State University
 DATE: Thursday, November 18, 2016
 TIME: 8:30 AM to 2:30 PM
 PLACE: Albersholzer Conference Hall
 WSU Puyallup Research and Extension Center
 3606 W Pioneer
 Puyallup, WA 99071

8:30-8:50 REGISTRATION & Breakfast

Dr. Kevin Duhaime, Dr. Bruce Ormpy, WSU: Opening Remarks 10 min
 Dr. Deagan Montelone, FDA: Veterinary Feed Directive 30 min
 Dr. H. L. Shengrass, UC Davis: Outbreaks of *Escherichia coli* in California poultry Associated With a New Sequence 30 min
 Mr. Mark Chidwick, Valley Fresh: When Undercover Video Jeopardizes Business, Livestock, Livestock 30 min

Coffee Break.....10:30 am to 10:45 am

Dr. Jill Owen, WSU: Parasites Past and Future: Anticipating Emerging Disease Risks for the Poultry Industry 30 min
 Dr. Lyndon Baskin, WSDA: WSDA's Annual Conference Summary and Program Update 30 min
 Mr. Jason Peters, WSDA: Organic Food Program 30 min

Lunch (provided).....noon to 1:00 pm

Dr. Kristin Brink-Gardner, IDEXX: Health Risk monitoring, is it better done by antibody (blood) or antigen (swab) detection? 30 min
 Dr. James Henne, ORE: A3 falls in layer diets 20 min
 Ms. Louisa Washie, ORE: "Hollis Oats" as an Alternative Feedstuff in Layer Diets 20 min
 Dr. H. L. Shengrass, UC Davis: Poultry Pathology Highlights 20 min
 Closing Remarks 5 min





What is new at the labs?

- New Test Search tool
<https://waddl.vetmed.wsu.edu/search-tests>



What is new at the labs? (cont.)

- Upgrades in the bacteriology room
 - New biosafety cabinet

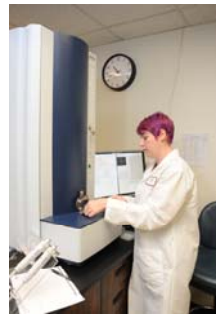


What is new at the labs? (cont.)

- **New tests in Puyallup:**
 - *Mycoplasma gallisepticum* and *Mycoplasma synoviae* multiplex
 - PCR for *Salmonella enteritidis* (24 hour turnaround) for dragswabs and shell eggs
 - New primers for gender determination for poultry and raptors
- **Coming soon...**
 - Marek's virus detection by PCR
 - *Avibacterium paragallinarum* (infectious coryza) PCR



WADDL Puyallup-WADDL Pullman

- **MALDI-TOF Biotyper**
 - Next generation bacterial ID
 - Results in 24 hours
 - Increase accuracy
- **People**
 - Dr. Tessa LeCuyer
 - Microbiology resident



New people at WADDL

- **Pathologists**
 - Allen Pessier
 - San Diego Zoo; Aquatic health
 - Christina Eckstrand
 - Univ. California-Davis: Virology
 - Kyle Taylor
 - Univ. Florida: all species
- **Clinical Microbiologist**
 - Claire Miller:
 - North Dakota State Univ.
 - Food Animal Microbiology

Global Animal Health Building Phase II



SCHOOL OF VETERINARY MEDICINE
WASHINGTON STATE
UNIVERSITY

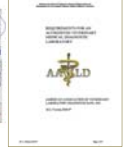
WSU Global Animal Health Background

- **Mission:** Provide novel approaches to infectious disease intervention and preventative health care for humans and animals
- Partnering of laboratory research and “field” surveillance
- Phase I financed with \$51M in donor funds and opened in 2012
 - Paul G. Allen School for Global Animal Health
- Global Animal Health Phase II
 - **WADDL**
- Partnering of WADDL and SGAH strategic for state, regional and global health and food security
- Global Animal Health II design self funded by WSU-CVM in 2016



Why does WADDL need new a facility?

- Capacity
 - Caseload increased markedly since 1978
 - Increasing need for confirmed laboratory diagnosis by animal agriculture and public health
- Complexity
 - Modern laboratory testing requires modern laboratory space (ventilation, temperature regulation, restricted access, biosafety, biosecurity).
- Compliance
 - WADDL laboratory accreditation and federal regulatory compliance at risk for past 10 years due to poor facility biosecurity, biosafety, and sample trafficking



- Diagnose animal diseases for improved animal health (all species)
- Diagnose animal/human diseases for improved human health
- Promote trade (interstate and global) for animal agriculture
- Certify food safety

