What is new at the labs?

- New Test Search tool
  
  [https://waddl.vetmed.wsu.edu/search-tests](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

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

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**

- **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**