The Association of Public Health Laboratories (APHL) and the US Centers for Disease Control and Prevention (CDC) are seeking applicants who are interested in starting an exciting new career to combat the growing threat of antimicrobial resistance (AR) while working collaboratively with public health leaders and developing professional networks. The AR Laboratory Fellowship program offers these opportunities and more, placing fellows on the front lines in public health laboratories (PHLs) and priming them for successful careers.

“What has been a unique and valuable experience to be able to see both the lab side and the epidemiology response side to an outbreak investigation.”
— Abby Hoffman, MS
Antimicrobial Resistance Laboratory Fellow

What are public health laboratories?
Public health laboratories are highly specialized governmental laboratories that monitor and detect health threats ranging from infectious diseases to environmental hazards, genetic disorders in newborns and biological terrorist agents. The highly trained scientists in these laboratories serve as disease detectives, monitoring communities for harmful pathogens and responding to outbreaks when they occur. Working at the federal, state and local levels, PHLs form the backbone of a national laboratory network on alert 24/7 to respond to public health threats and emergencies.

What do AR Fellows Do?
AR fellows will work directly with mentors from their host PHL, who will outline the objectives of fellows’ assigned projects and provide guidance for the duration of the program.

- Apply cutting edge technologies like next generation sequencing and MALDI-ToF mass spectrometry to detect and characterize AR
- Conduct phenotypic testing using conventional microbiology methods to detect newly emerging resistance mechanisms
- Respond to active outbreaks of AR threats like CRE and Candida auris
- Engage routinely with public health leaders at CDC and state public health agencies on complex AR problems
- Present their work in national forums including publications, webinars and conferences

Learn more about this APHL-CDC Fellowship Program:
www.aphl.org/AR-Fellows

Follow Us! #APHLFellows
“Currently, I am helping lead the HP D300e Digital Dispenser pilot study in New York. This CDC-sponsored project involves HP printing technology re-purposed to dispense antibiotics instead of ink, to test exquisitely resistant bacteria against the newest set of antibiotics available.”
— Nadine Peinovich

“The professional experiences this fellowship provided me are more than I could have imagined at this stage in my career.”
— Marisabel Etter, PhD

**Application Requirements**

Applicants for the APHL–CDC Antimicrobial Resistance Fellowship Program must hold a master’s or doctoral degree in microbiology, molecular biology or a related discipline. Those completing their final semester of studies and who anticipate receiving their degree prior to the projected start date are welcome to apply.

Applicants may indicate their interest in placement at one of the PHLs (see list above), where—if accepted—they will work for the duration of the 12-month fellowship (please note that postdocs have the opportunity to extend for an additional 12 months if funding is available). Additional PHLs determined through a competitive process will also be eligible to host a fellow each year.

**Host Laboratories**

- West: Washington State Public Laboratories
- Mountain: Utah Public Health Laboratory
- Central: Minnesota Department of Health PHL
- Midwest: Wisconsin State Laboratory of Hygiene
- Northeast: Wadsworth Center
- Mid-Atlantic: Maryland Public Health Laboratory
- Southeast: Tennessee State Public Health Laboratory
- Federal: CDC

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