

APPLY NOW!

Application and submission information can be found at www.aphl.org/fellowship.

All Applications are due by COB
Tuesday, February 28, 2017.



www.aphl.org

APHL – CDC Antimicrobial Resistance Fellowship Program

The growing threat of antimicrobial resistance (AR) to the nation's health has led the White House to launch the initiative to Combat Antibiotic Resistant Bacteria (CARB). In response, the Association of Public Health Laboratories (APHL) and CDC are seeking graduates of microbiology, molecular biology and related programs who are interested in applying their skills and expertise to work to combat this growing threat.

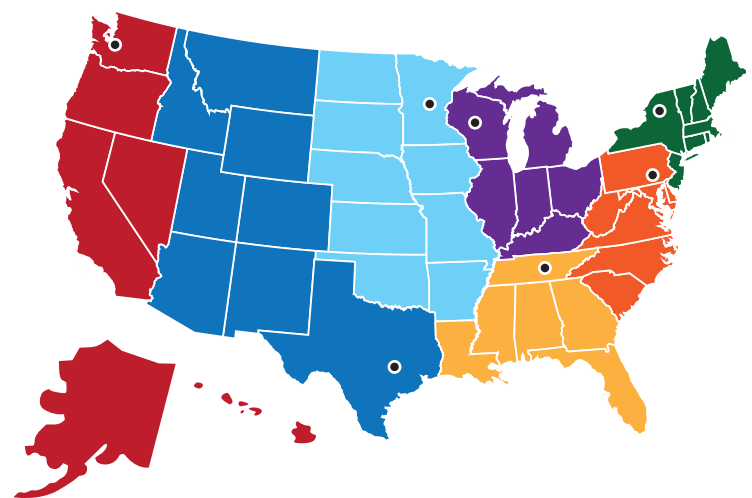
Fellowship Description

Administered by APHL, the APHL–CDC Antimicrobial Resistance (AR) Fellowship Program provides masters- and doctoral-level graduates with the opportunity to collaborate on a range of antimicrobial resistance issues. AR fellows will work directly with public health laboratory (PHL) mentors, who will outline the objectives of fellows' assigned projects and provide guidance for the duration of the program. Qualified applicants will apply to be placed in one of 8 state PHLs of their interest for a 12-month term and will have the opportunity to extend that term for an additional 12 months if funding is available. There are currently two AR fellowship tracks being offered. Prospective fellows are welcome to apply to one or both tracks.

Antimicrobial Regional Laboratory Network Track

In 2016, the US Centers for Disease Control and Prevention (CDC) established the Antimicrobial Resistance Laboratory Network (ARLN), comprised, in part, of seven PHLs placed strategically across the US to provide comprehensive laboratory capacity for a variety of AR pathogens with cutting-edge technologies, for faster detection to better inform outbreak response. Fellows selected for the ARLN track will work in one of the seven regional laboratories following a 2-week rotation at CDC.

ARLN Host Track Laboratories



- WEST: Washington State Public Laboratories
- MOUNTAIN: Texas DSHS Laboratory
- CENTRAL: Minnesota Department of Health PHL
- MIDWEST: Wisconsin State Laboratory of Hygiene
- NORTHEAST: Wadsworth Center Bacteriology Laboratory
- MID-ATLANTIC: Maryland Public Health Laboratory
- SOUTHEAST: Tennessee State Public Health Laboratory

Drug Resistant Tuberculosis Track

Multi Drug Resistant Tuberculosis (MDR TB) is a disease of grave domestic and global public health concern. Rapid and accurate identification of drug resistance is imperative both to ensure appropriate treatment for individual patients as well as the administration of necessary TB control measures. Fellows participating in the TB track will work with public health leaders to perform and apply conventional, culture-based and cutting edge molecular methods to identify and control drug resistant TB outbreaks. The fellow will be primarily placed at the **Microbial Diseases Laboratory of the California Department of Public Health in Richmond, CA** and will complete periodic rotations at CDC and other PHLs to provide a broad perspective of the public health laboratory system and prepare them to be future public health laboratory leaders.

Example Antimicrobial Resistance Fellowship Projects Include:

- Identification and characterization of novel resistance mechanisms
- Metagenomic identification of pathogenic organisms and characterization of resistance mechanisms by next-generation sequencing methods
- Coordination with state and federal epidemiologists and other AR prevention staff and partners to support regional AR outbreak responses
- Development of comprehensive reference databases, combining microbiologic, clinical, epidemiologic and potentially genomic and metagenomic data

Application Requirements

Applicants for the APHL – CDC Antimicrobial Resistance Fellowship Program must hold a masters 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 (July–August 2017) are welcome to apply.

Selection Criteria

APHL and CDC will review applications and select a subset for matching prospective fellows with the regional ARLN laboratories in which the applicant has expressed interest. A selection panel will evaluate each application and make recommendations based on applicants:

- Education, skills, and experience
- Reasons for participation in the program/career goal
- References/letters of recommendation
- Ability to meet the needs of the host laboratories

Questions?

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Stipends and Benefits

APHL-CDC Antimicrobial Resistance Fellows will receive:

- A stipend, disbursed on a bi-weekly basis, for the duration of the fellowship. Stipends follow US Health and Human Services' Government Schedule (GS) rating scale and will vary based on location. Current rates start at:
 - Post-Doctoral Fellows, GS-11 (\$56,000 per year)
 - Post-Masters Fellows, GS-9 (\$40,000 per year)
- Additional stipend to cover individual (single) major medical insurance
- A professional development allowance, to cover attendance at appropriate professional meetings, training courses and/or purchase of relevant books or software
- The customary leave and holidays of the host laboratory