



Microbiologist

Microbial Diseases Laboratory

JOB SUMMARY:

The California Department of Public Health (CDPH) is seeking a microbiologist to implement and coordinate laboratory testing for bacterial vaccine-preventable diseases with an emphasis on enhanced laboratory surveillance for meningococcal disease. The position is located in Richmond, CA, and represents a joint effort of the Microbial Diseases Laboratory and Immunization Branch of CDPH. The position is M-F, 40 hours per week.

Job Status: Full Time

FLSA Status: Non-Exempt

Reports To: Supervisor of Special Pathogens Unit of the Microbial Diseases Laboratory

Work Schedule: Days

Travel Required: 0-5%

Supervises: None

ESSENTIAL FUNCTIONS:

Under the direction of the Supervisor of the Special Pathogens Unit of the Microbial Diseases Laboratory Branch, the microbiologist performs duties associated with the receipt of clinical specimens and isolates, quality control testing, microbiological and molecular diagnostic testing, and the genetic fingerprinting of bacterial pathogens.

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The requirements below are representative of the knowledge, skill and/or ability required.

- Specimen receipt and data entry for LIMS
- Reagent preparation and quality control testing of media and reagents
- Cultivation of bacterial isolates and QC strains in a biological safety cabinet
- Microbiological and serological testing of bacterial isolates
- Multiplex and real-time PCR, agarose gel electrophoresis, gel image documentation and software analysis
- Molecular serotyping of *N. meningitidis* and *S. pneumoniae*
- Fragment analysis and DNA sequencing
- Packaging and shipping of meningococcal isolates for participation in MeningNet

- Maintain weekly communication with the Immunization Branch providing details on specimen and isolate submissions and results
- Worksheet documentation and database entry
- Performs other related duties as assigned.

MINIMUM QUALIFICATIONS:

- Possession of a Bachelor's degree from an accredited university with course work in microbiology, molecular biology, and epidemiology
- Six months of experience working in a public health or clinical microbiology laboratory
- Competence working with infectious agents in a biological safety cabinet
- Experience performing nucleic acid extractions, polymerase chain reaction (PCR), and real-time PCR

DESIRED QUALIFICATIONS:

- Certification as a Clinical Laboratory Scientist or Public Health Microbiologist
- Computer skills (Microsoft Word, Access, Excel, email), and other software programs.
- Ability to effectively communicate verbally.
- Ability to work independently and adapt to varied work settings.
- Ability to complete projects in a timely manner.
- Ability to work effectively with a team of diverse individuals.
- Demonstrated attention to detail.

WORK ENVIRONMENT:

Laboratory Environment
General Office Environment

COMPENSATION:

\$3,300.00--4,167.00 per month plus benefits

APPLICATION PROCEDURE:

Interested individuals must submit a resume and cover letter to Will Probert at Will.Probert@cdph.ca.gov, or by mail at CDHS/MDL, 850 Marina Bay Parkway, Rm E-164, Richmond, CA 94804. Please indicate job title in all submissions.

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