

DEPARTMENT OF PUBLIC HEALTH  
POSTING OF VACANCY

# Principal Microbiologist

LABORATORY – Biological Sciences – Newborn Screening

POSTING DATE: June 13, 2014

CLOSING DATE: June 20, 2014\*

**PLEASE FOLLOW THE SPECIFIC APPLICATION INSTRUCTIONS AT THE BOTTOM OF THIS PAGE!**

**Open To: Candidates on a current examination list**

POSITION CONTROL NUMBER: 107271DL

NOTE: THIS NUMBER MUST BE INCLUDED ON YOUR APPLICATION

LOCATION: 395 West Street, Rocky Hill, CT

SHIFT/HOURS: 1<sup>st</sup> Shift/35 hours/week

SALARY GROUP/RANGE: HC 24/\$57,367\*-\$77,679 (\*NEW State Employees)  
HC 24 effective 7/1/14/\$59,089\* - \$80,010

**NOTE:** Candidates must have applied for and passed the **Principal Microbiologist** exam and be on the current certification list promulgated by the Department of Administrative Services. State employees currently holding the above title or those who have previously attained permanent status in the class may apply for lateral transfer without taking the examination. **Applicants will not have the opportunity to take the exam prior to the above closing date to qualify for this particular vacancy.**

**Preferred Skills:**

- Experience with Molecular techniques in biological assays and assay platforms such as Real time PCR, Nucleic acid amplification tests, ABI Fast Dx, Stratagene Mx3000P, smart cycler or others.
- Experience with operations of complex laboratory analytical equipment such as Tandem Mass Spectrometers, AutoDELFIA, HPLC equipment, etc.
- Experience with Clinical test validation requirements to meet CLIA standards for implementing testing in a high complexity laboratory and the writing of Standard Operating Procedures.
- Experience with Clinical and Laboratory Standards Institute (CLSI) recommendations for testing Newborn Screening Samples.
- Experience with Genetic and Metabolic disorders in Newborn populations.
- Experience with Statistical analysis techniques for large data sets using products such as Excel, Access or other programs.
- Experience with failure analysis and remediation solutions in analytical testing platforms such as Tandem Mass Spectrometer.

**MINIMUM QUALIFICATIONS REQUIRED**

**KNOWLEDGE, SKILL AND ABILITY:** Considerable knowledge of current theories, principles and practices of biomedical sciences and microbiological disciplines including bacteriology, parasitology, virology and others as they relate to public health; considerable knowledge of current laboratory methods, equipment, instrumentation and material; considerable knowledge of quality assurance and quality control policies and procedures; knowledge of universal laboratory precautions; knowledge of common statistical techniques and ability to make sophisticated calculations; considerable oral and written communication skills; interpersonal skills; ability to perform advanced biomedical, microbiological and biochemical examinations; ability to conduct analytical, consultative and research activities; ability to interpret complex examination results in the context of patient history and epidemiology of disease or agent; ability to utilize computer software; some supervisory ability.

**EXPERIENCE AND TRAINING**

**General Experience:** Eight (8) years of experience in a public health or medical laboratory involving scientific work in the field of microbiology, biochemistry or molecular biology.

**Special Requirement:** Two (2) years of the General Experience must have been at the full working level in the field of microbiology.

For state employees this is interpreted at the level of Microbiologist 2.

**Substitution Allowed:**

College training in the natural sciences may be substituted for the General Experience on the basis of fifteen (15) semester hours equaling one-half (1/2) year of experience to a maximum of four (4) years for a Bachelor's degree

2. A Master's degree in the natural sciences may be substituted for one (1) additional year of the General Experience.

**Special Requirement:**

1. Incumbents in this class must be willing to periodically undergo tests and immunizations for communicable diseases.

2. Incumbents in this class may be required to have specific education and/or experience to meet various certification and/or licensing requirements.

3. Incumbents in this class may be required to undergo and successfully complete security background checks.

**Working Conditions:** Incumbents in this class may be exposed to communicable diseases and hazardous substances.

**PLEASE NOTE:** This position will be filled in accordance with reemployment, SEBAC, transfer, promotion and merit employment rules.

**Application Instructions: ANYONE WISHING TO APPLY FOR THIS POSITION MUST SUBMIT A COMPLETE State of Connecticut Application Form for Examination and Employment (Form CT-HR-12), INCLUSION OF A RESUME IS OPTIONAL. THE ORIGINAL AND ONE COPY OF ENTIRE APPLICATION PACKAGE MUST BE RECEIVED NO LATER THAN THE CLOSING DATE AT THE TOP OF THIS FORM AT:**

Department of Public Health  
410 Capitol Avenue, MS #13PER  
PO Box 340308  
Hartford, CT 06134-0308  
FAX: 860-509-7184(if faxing, only one application is necessary)  
EMAIL: [dph.recruitment@ct.gov](mailto:dph.recruitment@ct.gov)

\* The closing date is for this posting. This may differ from the examination closing date for a competitive examination.

Questions regarding this process should be directed to the Human Resources Office (Recruitment Hotline, 509-7223).

**THE DEPARTMENT OF PUBLIC HEALTH AIMS TO PROVIDE EQUAL OPPORTUNITY IN ALL ASPECTS OF EMPLOYMENT AND ADVANCEMENT, FOSTERING AN ENVIRONMENT COMMITTED TO SUPPORTING INDIVIDUALS IN ALL PROTECTED CLASSES. IF YOU REQUIRE AID/ACCOMMODATION TO PARTICIPATE FULLY AND FAIRLY, PLEASE CONTACT THE AFFIRMATIVE ACTION OFFICE AT 860/509-7220.**