



# NEW JERSEY DEPARTMENT OF HEALTH NOTICE OF VACANCY

*State of New Jersey*

***The Department of Health has a career opportunity for qualified candidates for the following position:***

|   |                                  |                                 |  |
|---|----------------------------------|---------------------------------|--|
| Title<br><b>Research Scientist 3, Microbiology<br/>[Classified Non-Competitive]</b>                   |                                  |                                 | Salary<br><b>P25 - \$72,014.33 - \$102,361.07</b>                            |
| Posting Number<br><b>455-24</b>   | Position Number<br><b>943340</b> | Number of Positions<br><b>1</b> | Posting Period *<br><b>From: 07/03/2024 To: 07/17/2024</b>                   |
| Location:<br><b>Public Health Environmental Laboratory - Virology<br/>3 Schwarzkopf Dr, Ewing, NJ</b> |                                  |                                 | Scope of Eligibility/Open to:<br><b>Applicants who Meet the Requirements</b> |

**GENERAL DESCRIPTION**

Under direct supervision of Research Scientist 1 -  
 Perform high-complexity laboratory testing, which may include real-time PCR for microbial identification and characterization, automated DNA extraction and/or analyses, gene sequencing or whole genome sequencing. Perform testing within standards set by regulatory agencies, which may include Select Agent regulation 42 CFR Part 73, New Jersey's Department of Environmental Protection (DEP), Environmental Protection Agency (EPA), Food & Drug Administration (FDA) or Clinical Laboratory Improvement Amendments of 1988 (CLIA).  
 Design and develop new analytical procedures and assays. Assist with validation and implementation of these assays in a clinical laboratory regulated environment. Conduct other specialized research and/or clinical analyses of a highly complex, technical nature.  
 Provide technical training to laboratory personnel in instrument utilization, procedure development, validation performance and method implementation. Assist with coordinating activities of staff and develop effective standard operating procedures.  
 Assist with research and development of methods/protocols to test clinical and environmental samples potentially contaminated with unknown biological pathogens.  
 Provide technical and functional support to leadership for the implementation, operation, and troubleshooting of sophisticated analytical instrumentation. Interact with instrument and reagent vendors for routine and emergency service needs.  
 Prepare sound, accurate reports relating to research, grant, and other activities containing findings, conclusions, and recommendations. Perform analysis of data and preparation of reports for presentation at internal and external meetings.  
 Develop and maintain liaison with state, federal, academic, and other partners to ensure Program remains up-to-date. Review and analyze publications and other documents pertaining to current research developments and disseminates information to staff.  
 Assist in validating and implementing new microbiological, molecular, and immunological test methods and operates and maintains analytical scientific instruments utilized for molecular and microbiological analyses.  
 Interprets analytical data, submit technical recommendations/results, and prepare accurate testing reports containing technical findings and conclusions.  
 Participates in the installation, testing and maintenance (daily/weekly/biannual/annual) of laboratory acquired analytical instruments.  
 Will be required to learn new analytical testing methodologies to provide testing (microbiological, molecular) supports for other PHEL units for any kind of Public Health Emergencies and epidemiological outbreaks.

**PREFERENCE WILL BE GIVEN TO CANDIDATES WITH THE FOLLOWING KNOWLEDGE AND ABILITIES:**  
 Experience in conducting analyses in a regulated/certified environment using sophisticated laboratory instrumentation.  
 Development and validation of microbiological testing protocols and other techniques associated with clinical and environmental samples. Knowledge of Select Agent regulation 42 CFR Part 73, Food & Drug Administration (FDA) or Clinical Laboratory Improvement Amendments of 1988 (CLIA). Experience with initiating, designing, and implementing new microbiological, biochemical, and molecular analytical testing techniques.



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## REQUIREMENTS (EDUCATION / EXPERIENCE / LICENSES)

### EDUCATION:

Graduation from an accredited college or university with a Master of Science degree in microbiology or molecular biology or other appropriate biological discipline.

### EXPERIENCE:

Two (2) years of experience in microbiological or molecular biology analysis or research.

NOTE: A Doctorate in a microbiological or molecular biology discipline may be substituted for the experience indicated above.

OR

### EDUCATION:

Graduation from an accredited college or university with a Bachelor of Science degree in microbiology or other appropriate biological discipline.

### EXPERIENCE:

Three (3) years of experience in microbiological analysis or research; one (1) year of which must be in the operation of technical and complex instrumentation used in microbiological or molecular biology based analysis including but not limited to Matrix-Assisted Laser Desorption/Ionization-Time of Flight mass spectrometry ((MALDI-TOF MS); Real-Time-PCR instruments; Next Generation Sequencing instruments; fluorescent microscopes; high-throughput ELISA or NAAT instrumentation.

NOTE: Appointees may be required to perform physical activities such as lifting, carrying, and standing for an extended period of time.

NOTE: Appointees may be required to get vaccinations or submit vaccination records.

NOTE: Appointees may be required to wear Personal Protective Equipment.

### LICENSE:

Appointees will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform the essential duties of the position.

## IMPORTANT FILING INSTRUCTIONS

If interested in this position, you can reply in one of two ways:

- Forward the required documents electronically to:  
**PSTLABS@doh.nj.gov**
- Mail the required documents to:  
**Chova Joyner, Executive Assistant 3**  
**Public Health and Environmental Laboratories**  
**Reference Posting #455-24**  
**New Jersey Department of Health**  
**PO Box 361**  
**Trenton, NJ 08625-0361**

### Required documents:

- cover letter
- resume
- completed application, found at:  
<http://www.nj.gov/health/forms/dpf-663.pdf>

*\* Responses received after the closing date MAY be considered if the position is not filled.*



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## IMPORTANT NOTES

**State as a Model Employer  
of People with Disabilities  
(SAME) Applicants:**

If you are applying under the NJ "SAME" program, your supporting documents (Schedule A or B letter), must be submitted along with your resume by the closing date indicated above. For more information on the SAME program, visit their website at:

<https://nj.gov/csc/same/overview/index.shtml>, email: [SAME@csc.nj.gov](mailto:SAME@csc.nj.gov) , or call CSC at (833) 691-0404.

**PHEL Candidates:**

If you are a candidate for a position in our Public Health and Environmental Laboratories, you may be subject to pre- and /or post-employment alcohol and drug testing.

**Direct Client Care:**

If you are a candidate for a position that involves direct client care in one of the State facilities/programs, you may be subject to pre- and/or post-employment drug testing/screening. The cost of any pre-employment testing will be at the candidate's expense. Candidates with a positive drug test result, or those who refuse to be tested and/or cooperate with the testing requirement, will not be hired.

**New Jersey  
First Act:**

In accordance with N.J.S.A. 52:14-7, the "New Jersey First Act", all employees must reside in the State of New Jersey, unless exempted under the law. If you do not live in New Jersey, you have one year after you begin employment to relocate your residence to New Jersey.

**Resume Note:**

Applicants who possess foreign degrees (degrees earned outside of the U.S.) are required to provide an evaluation indicating the U.S. equivalency prior to the closing date. Failure to do so may result in your ineligibility.

**Authorization to Work:**

Selected candidates must be authorized to work in the United States according to the Department of Homeland Security, United States Citizenship and Immigration Services Regulations. The State of New Jersey does **not** provide sponsorships for citizenships to the United States.

Note: Newly hired employees must agree to a thorough background check that will include fingerprinting.



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The New Jersey Department of Health is an Equal Opportunity Employer.