

DUTY STATEMENT

Employee Name:	Position Number: 581-732-5587-909
Classification: Research Scientist II (Microbiological Science)	Tenure/Time Base: Limited Term/Full-Time
Working Title: Respiratory and GI Specialist – Molecular Assays	Work Location: 850 Richmond Parkway, Richmond, Ca 94804
Collective Bargaining Unit: R10	Position Eligible for Telework (Yes/No): No
Center/Office/Division: Center For Laboratory Sciences/Infectious Diseases Laboratory Division	Branch/Section/Unit: Viral and Rickettsial Disease Laboratory Branch/ Respiratory and Gastroenteric Diseases Section

All employees shall possess the general qualifications, as described in California Code of Regulations Title 2, Section 172, which include, but are not limited to integrity, honesty, dependability, thoroughness, accuracy, good judgment, initiative, resourcefulness, and the ability to work cooperatively with others.

This position requires the incumbent to maintain consistent and regular attendance; communicate effectively (orally and in writing) in dealing with the public and/or other employees; develop and maintain knowledge and skill related to specific tasks, methodologies, materials, tools, and equipment; complete assignments in a timely and efficient manner; and adhere to departmental policies and procedures.

All California Department of Public Health (CDPH) employees perform work that is of the utmost importance, where each employee is important in supporting and promoting an environment of equity, diversity, and inclusivity, essential to the delivery of the department's mission. All employees are valued and should understand that their contributions and the contributions of their team members derive from different cultures, backgrounds, and life experiences, supporting innovations in public health services and programs for California.

Competencies

The competencies required for this position are found on the classification specification for the classification noted above. Classification specifications are located on the [California Department of Human Resource's Job Descriptions webpage](#).

Job Summary

This position supports the California Department of Public Health's (CDPH) mission and strategic plan by enhancing outbreak response, surveillance studies, and research investigations of viral respiratory and gastroenteric diseases. Under the general supervision of and in the Respiratory and Gastroenteric Diseases Section (RGDS) Chief and senior scientists in the laboratory, the Research Scientist II (RSII) will perform high complexity testing and provide technical scientific consultation on the detection and surveillance for viral respiratory and GI pathogens such as SARS-CoV-2, influenza, RSV, enterovirus, adenovirus, poliovirus, norovirus, sapovirus, and astrovirus.

When fully trained, the incumbent will independently perform, interpret, and report complex testing in support of emerging viral or rickettsial disease threats of public health significance.

The RSII will work with potentially infectious materials in biosafety level 2 and/or 3 laboratories. Use of appropriate biosafety precautions, including personal protective equipment required as necessary, as well as standing or sitting for long periods of time in a laboratory environment.

The incumbent works under the general supervision of the Section Chief/Research Scientist Supervisor II (RSSII) in the Respiratory and Gastroenteric Diseases Section.

Special Requirements

- Conflict of Interest (COI)
- Background Check and/or Fingerprinting Clearance
- Medical Clearance
- Travel:
- Bilingual: Pass a State written and/or verbal proficiency exam in
- License/Certification:
- Other:

Essential Functions (including percentage of time)

Percent of Time Essential Functions

- 35% The RSII assists with the planning, organization, and scientific studies for performing and developing polymerase chain reaction (PCR) and other molecular assays, and whole genome sequencing for viral respiratory and GI pathogens such as severe acute respiratory syndrome-Coronavirus- 2 (SARS-CoV-2), influenza, respiratory syncytial virus (RSV), enterovirus, adenovirus, poliovirus, norovirus, sapovirus, astrovirus, and other viral pathogens of public health significance. The RSII develops and applies complex, non-standardized virologic analyses, as well as reviews and interpret complex data.
- 25% Assess and validate new procedures and research methods, interpret scientific findings, and analyze laboratory data to support public health investigations. Receives training to develop familiarity with the latest scientific literature on molecular techniques including whole genome sequencing and applies this knowledge to support investigations of infectious diseases.
- 20% Maintains records of patient specimens and test results for quality assurance (QA) and quality control (QC) purposes. Writes and maintains protocols used in performing the testing methods. Prepares technical reports and collaborates in preparation of data for publication and presentation at scientific meetings. Assists with preparation of draft reports, posters, and manuscripts. Assists with writing grants and proposals.
- 10% Adheres to all VRDL quality assurance and quality control policies for laboratory operations, biosafety, chemical hygiene, and other applicable standards. Follows safety and quality control procedures in the handling of hazardous biological and chemical materials, and in the maintenance of laboratory equipment and reagents.
- 5% Provides technical consultations on aspects of complex microbiological and molecular assays to microbiologists from internal and external partners. Participates in training of other technical staff, local laboratory staff, and microbiologist trainees in procedures for establishing test services locally and

performance of complex and standard assays.

Marginal Functions (including percentage of time)

5% Other applicable duties as assigned, including assisting other units or sections as needed for surge capacity.

I certify this duty statement represents an accurate description of the essential functions of this position. I have discussed the duties and have provided a copy of this duty statement to the employee named above.

I have read and understand the duties and requirements listed above and am able to perform these duties with or without reasonable accommodation. (If you believe reasonable accommodation may be necessary, or if unsure of a need for reasonable accommodation, inform the hiring supervisor.)

Supervisor's Name:	Date	Employee's Name:	Date
Supervisor's Signature	Date	Employee's Signature	Date

HRD Use Only:
 Approved By: DN
 Date: 02/2025