

**DUTY STATEMENT**

Employee Name:	Position Number: 580-732-5612-002
Classification: Research Scientist IV (Microbiological Sciences)	Tenure/Time Base: Permanent/Full Time
Working Title: Senior Research Scientist (Microbiological Sciences)	Work Location: 850 Marina Bay Pkwy Richmond, CA 94804
Collective Bargaining Unit: R10	Position Eligible for Telework (Yes/No): Yes
Center/Office/Division: Center of Laboratory Sciences/ Division Of Infectious Diseases Laboratories	Branch/Section/Unit: Viral and Rickettsial Disease Laboratory Branch/Molecular Immunoserology Section/Assay Development Unit

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 designing, organizing, performing, and directing research of human viruses, including arboviruses and other zoonotic and vector borne viruses, SARS CoV-2, monkeypox virus and other viruses of public health importance. This position will investigate highly specialized scientific questions designed to diagnosis and characterize infectious viral and rickettsial pathogens for clinical diagnosis or to inform a public health response. The incumbent will develop and conduct research into statewide public health matters with potential for major impact on community health and disease prevention

efforts.

The Research Scientist IV (Microbiological Sciences) works with potentially infectious materials in a biosafety level 2 or 3 laboratory. 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 administrative direction of the Research Scientist Supervisor II in the VRDL Molecular Immunoserology 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)**

- 40% Plan, organize, and direct original scientific research studies into the development of highly complex methods for the detection and/or characterization of viral and rickettsial pathogens of public health significance. Make original and independent decisions on the implementation and use of emerging technologies to investigate complex public health research problems, such as developing advanced molecular detection methods, designing next-generation sequencing protocols, and investigating use of novel technologies to improve serologic surveillance for use in disease investigations to improve public health disease intervention efforts.
- 30% Conceive, plan, and execute major research studies to investigate and respond to statewide or national outbreaks and novel and/or emerging viral diseases of public health concern (e.g., Oropouche, endemic dengue, measles, and COVID-19) to inform public health action and response. Develop rigorous studies that will provide data to inform public health policy. Seek and analyze relevant scientific and technical data and participate in the integration of complex information into public health policy.
- 15% Serve as a scientific expert to departmental management and others as requested. Provide consultations and technical leadership to public health experts at the state, national, and local levels. Publish results of independent research in scientific journals. Provide interpretations of research findings and present these findings to state and national partners.
- 10% Troubleshoot unusual scientific problems in order to understand and characterize new, unusual, or outbreak strains of infectious pathogens. Provide technical consultations and advise State and local public health experts as a subject-matter expert in public health scientific research.

### **Marginal Functions (including percentage of time)**

5% Attend scientific meetings, review literature, prepare grant proposals and manuscripts. Perform other work-related duties as required.

☐ 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: AC

Date: 4/2025