



Alameda County Mosquito Abatement District  
23187 Connecticut St  
Hayward, CA 94545-1605  
(510) 783-7744

### **Job Announcement**

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<b>Position:</b>	<b>Seasonal Mosquito Lab Technician</b>
<b>Filing Period:</b>	Open until filled
<b>Salary Range:</b>	\$15 – 20 / hour, based on experience and certifications.
<b>Benefits:</b>	Three paid days of sick leave after the first month of employment.
<b>Status:</b>	Seasonal, typically March – October. Up to 40 hours / week with a maximum of 1000 hours / fiscal year.
<b>Application:</b>	Complete and return a District application that is available online at <a href="http://www.mosquitoes.org">www.mosquitoes.org</a> .

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### **Definition**

The Seasonal Mosquito Lab Technician is primarily responsible for supporting mosquito surveillance and research, but may include other work needed by the District. The full job description is available.

### **Duties and Responsibilities**

Includes but is not limited to:

- Place and retrieve mosquito traps.
- Use taxonomic keys for identifying mosquitoes to species.
- Use quantitative PCR to detect arbovirus and evaluate insecticide resistance.
- Interact with community members in Alameda County.

- Maintain mosquito colonies in the lab that are used for research and educational purposes.
- Assist with research projects.
- Follows District safety procedures and other regulatory requirements when using District equipment.
- Prepares reports that record daily activities and laboratory data using computer software.
- Safely operate and navigate District vehicles to perform work-related activities.
- Other duties as assigned.

## **Employment Standards**

### **Knowledge (or willingness to learn):**

- Molecular biology of mosquitoes and arboviruses, and/or entomology or virology.
- Identification, biology, ecology and public health importance of mosquitoes present in Alameda County.
- Mosquito monitoring programs and equipment used to quantify mosquito abundance.
- PCR, preferably quantitative PCR.
- Cooperation with other agencies, officials, employees and the public.

### **Abilities:**

- Safely operate standard District equipment.
- Operate standard business computer hardware, mobile devices, and related software applications.
- Prepare, organize, and maintain accurate records.
- Work independently and as a team member; recognize and set priorities and meet deadlines.
- Speak, write and understand English at a level required for successful job performance.

### **Required Education and Experience**

- Equivalent to graduation from high school and college level lab course(s) in the biological sciences, preferably upper division lab course(s) in cell or molecular biology.

### **Driver's License**

- Must possess a valid California Driver's License and ability to maintain.
- Must be insurable under the guidelines set forth by the District's insurance carrier.

### **Physical Requirements, with or without accommodation**

- Ability to lift and carry up to 40 pounds.
- Sighted in both eyes with the ability to demonstrate depth perception.
- Have a minimum of single-ear aided hearing.
- Without physical limitations that would prevent performing customary and usual activities associated with field operational mosquito monitoring activities.

**Working Conditions**

- Medium Work: Incumbent performs work, which involves lifting, pushing and/or pulling of objects of approximately 40 pounds. Heavier lifting is an infrequent aspect of this position.
- Mobility: Incumbent must have complete and normal mobility of arms to reach and dexterity of hands to grasp and manipulate small objects; be able to stand, stoop, reach and bend and to walk on uneven terrain, such as field, dirt banks, natural and cement stream beds, and shallow ponds.
- Other Conditions: Incumbent may be exposed to and handle toxic and hazardous substances; work, when necessary, in inclement weather including sun, cold and rain.