

THE ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY

JOB DESCRIPTION

<u>Job Title</u>	<u>Department</u>	<u>Status</u>	<u>Reports to (Title):</u>
Biological Technician	Science Dept. (molecular lab)	Non-Exempt	Molecular Biologist

PURPOSE OF JOB:

Conduct applied research in the field of molecular detection of arbovirus and other pathogens, insecticide resistance, and screening and evaluation of commercial and new equipment and tools, products and reagents for detection of vector-borne pathogens and insecticide resistance to assist in the scientific analysis of collection data and identification of mosquito species. To assist in the in-house training of district personnel and in the development and presentation of community awareness programs. To assist in enhancing knowledge of mosquito biology and furthering the understanding of the District's mission and goals.

Essential Duties and Responsibilities:

1. Perform research and developmental work in the field of molecular detection with initial focus on mosquito-borne pathogens, behaviors, and insecticide resistance
2. Provide technical assistance in mosquito identification, screening, selection, and evaluation of molecular tools, equipment, and reagents for the detection of pathogens and resistance
3. Prepare documentation, including data books, scientific reports, specifications, and presentations that capture the activities and interests of the District
4. May assist in conducting and developing light trap surveillance and identification of mosquito species
5. May assist in conducting and developing the sentinel chicken and arbovirus surveillance program
6. Implement plans of action to satisfy grants received by the District. To assist the Entomologist and Biologist in applying for grants to further the mission of the District
7. Recommend procedures and expenditures for technical and operational studies for the benefit of the District
8. Maintain and promote professional ties with local intergovernmental entities and to promote interjurisdictional and regional mosquito control harmony and cooperation
9. Prepare reports and data summaries in a timely manner as requested by the Entomologist and/or Biologist

10. Assist the Entomologist and/or Biologist in maintaining and cleaning scientific equipment, materials, and supplies
 11. Maintain membership (at District expense) and promote active participation in FMCA
 12. Other projects and duties as assigned
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QUALIFICATIONS:

1. A M.S. degree in entomology, zoology, biology, or related basic science from an accredited four-year college or university or five years of directly related experience is required.
 2. Proficiency in Microsoft Office components to include MS Word, Excel, and PowerPoint software and working knowledge of email and internet communication.
 3. Proficiency in basic statistical analysis is required. Proficiency in the use of GPS (Geopositional satellite) imagery systems is required.
 4. Must possess proficient skills in written grammatical composition. Must possess good organizational, interpersonal and communication skills. Public speaking skills are desirable.
 5. Must possess a valid Florida Driver's License with an acceptable driving record.
 6. Must maintain applicable licenses, including certification in the application of "restricted use" pesticides, as per Chapter 388, Florida Statutes, and Chapter 5E-13, Florida Administrative Code, FL Department of Agriculture and Consumer Services. If not in possession when hired, certification is required within six months of employment.
 7. Must have the ability to travel.
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WORK ENVIRONMENT/PHYSICAL REQUIREMENTS:

The physical demands and work environment characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

Physical Requirements: Light physical activity is required on a regular basis including reaching with arms and hands, using hands and fingers to type, standing, sitting and walking and may occasionally be required to lift up to twenty pounds and climb stairs. Adequate vision to see computer screens and written documents is required on a regular basis.

Work Environment: The work environment normally is an office, but could occasionally include warehouses, and vehicles. Working around chemicals, which are stored, handled, applied/used and disposed of according to exact labeling instructions, is required occasionally. Occasional local travel may be required.

I HAVE READ AND UNDERSTAND THIS JOB DESCRIPTION.

Signature

Date

Printed Name