Position: Marine Laboratory Technician

DEPARTMENT: Moss Landing Marine Laboratories, Biological Oceanography

IMMEDIATE SUPERVISOR: Project Director, Dr. Nick Welschmeyer

POSTING DATE: March 29, 2016

CLOSING DATE: April 6, 2016

SALARY: $25 – $45 per hour, DOQ/E

EXEMPT STATUS: Non-exempt (hourly) Full time Benefited

GENERAL NATURE OF POSITION: The Marine Laboratory Technician performs duties essential to maintaining quality shipboard scientific data collection, and acts as the liaison between the ship's captain, crew, and scientific parties to support the technical and logistical aspects of scientific research cruises. The primary project includes testing of ships' ballast water for the purpose of managing and abating the spread of aquatic invasive species.

ESSENTIAL DUTIES & RESPONSIBILITIES:

1. Performs duties essential to maintaining quality shipboard scientific data collection, which includes but is not limited to installing, maintaining, troubleshooting and repairing.

2. Repairs common problems with cables, electrical connections, sensor fouling and data acquisition computers.

3. Organizes data by use of excel spreadsheets, including Table and Graph construction for data reports, maintains a daily notebook to capture findings and and methodology

4. Maintains and manages set up and oversight of Laboratory, including organization, cleanlinesss, and safety monitoring.

5. Performs other duties as needed, including ordering parts, personnel scheduling, answering phones, email communications.
INTERPERSONAL CONTACTS:

1. Reports to Project Director, Dr. Nick Welschmeyer. Advises as to the work in progress and work that needs attention.

2. Interacts with outside vendors in arrangements for repairs, constructing equipment, and the purchase of equipment, spare parts, and engineering.

3. Interacts with graduate students and other scientists to insure safe and effective use of equipment and vessels, and completion of scientific analytical needs.

QUALIFICATIONS:

1) **Education and Experience:**

   B.S. or M.S. in Science, preferably Marine Science. Practical knowledge of marine plankton.

2) **Knowledge, Skills and Abilities required:**

   a) routine lab skills such as pipetting, diluting, cleaning, lab instrument maintenance and set-up
   b) working knowledge of analytical assay calibrations; routine quantitative microscopy: experience in optical instrumentation (fluorescence, absorbance, flow cytometry).
   c) reading skills for interpretation of science journal articles and lab manuals
   d) solid interpersonal, organizational, and scientific troubleshooting skills.
   e) **Must be a self-starter capable of initiating and completing projects unaccompanied and in a timely manner.**

3) **Physical requirements:**

   Must be able and willing to work aboard ships; includes extended voyages of 1 to 4 weeks.

   At sea:

   a) Must be able to stand 2 – 6 hour watches as well as be on call 24 hours a day for emergencies.
   b) Typically between 30 and 60 days a year will be spent at sea.
   c) Must be capable of lifting moderate weights at sea and in port.
   d) Must not be incapacitated by seasickness.

   In port:

   a) Normal workdays apply, 8 to 5, forty-hour week.
   b) Will be subject to D.O.T. drug and alcohol testing programs and protocols.
4) **Complexity of Duties**

   a) Independent quantitative reasoning  
   b) Reasonably proficient writing skills  
   c) Spreadsheet calculations and data storage proficiency and knowledge  
   d) **Strong preference given to those with programming skills**

APPLICATION PROCEDURE

To apply for this position, you may submit a letter of interest and a resume or an application. An application and other information may be obtained from the Research Foundation Human Resources Department, through the Research Foundation's web site at foundation-jobs@sjsu.edu or in person by visiting the Foundation, located at 210 North 4th Street, 4th Floor, San Jose, CA (corner of St. James and North 4th Streets). An application will be required for those interviewed.

The SJSU Research Foundation website's job listings page, which also has a link for downloading an application, can be found at http://www.sjsu.edu/researchfoundation/open/index.html

San Jose State University Research Foundation  
Attn: HR/Job Code ML Tech  
210 North 4th Street  
San Jose, CA  95112  
E-mail: foundation-jobs@sjsu.edu

Research Foundation employment is separate and distinct from San Jose State University or State of California employment. Research Foundation employees are not employees of either SJSU or of the state of California.

The San Jose State University Research Foundation (SJSURF) is a non-profit auxiliary of San Jose State University. SJSURF is totally self supported. The majority of the organization's funding comes from the federal government, and other public and private entities. With annual revenues totaling over $65 million, programs managed through SJSURF cover a rich diversity of applied research, public services, and educational related activities.

SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION  
is an Equal Opportunity Employer and does not discriminate on the basis of race, color, creed, gender, religion, marital status, registered domestic partner status, age, national origin, ancestry, physical or mental disability, medical condition, sex, genetic information, sexual orientation, military and veteran status or any other consideration made unlawful by federal, state, or local laws. It also prohibits unlawful discrimination based on the perception that anyone has any of those characteristics, or is associated with a person who has or is perceived as having any of those characteristics.

The SJSURF has implemented California State University Executive Order 1083 (http://www.calstate.edu/cao/EO-1083.pdf ). By policy, all SJSURF employees are mandated reporters for suspected child abuse or neglect and are expected to undergo formal training in accordance with the directives of the Executive Order.
The SJSURF has also implemented California State University Policy Memorandum HR 2015-08 (http://www.calstate.edu/HRAdm/pdf2015/HR2015-08.pdf).

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the SJSURF. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current SJSURF employees who apply for the position.