

Bulletin Board Posting: 9/21/16  
RCUH Website: 9/21/16  
Hire Net Hawai'i: 9/21/16

**REVISED POSTING: EXTENDED CLOSING DATE**

**JIMAR PIFSC MARINE SPATIAL ECOLOGIST – ID# 16497.** Joint Institute for Marine and Atmospheric Research. Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science and Technology (SOEST), Joint Institute for Marine and Atmospheric Research (JIMAR), located at the National Marine Fisheries Service (NMFS), Pacific Islands Fisheries Science Center (PIFSC) in Honolulu, Hawai'i. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws. **MONTHLY SALARY:** Salary commensurate with qualifications. **DUTIES:** Serves as the team lead for the PIFSC Coral Reef Ecosystem Program's EcoSpatial Information (ESI) Team conducting interdisciplinary research and geospatial analysis to support benthic habitat mapping and ecological characterization projects. Develops, tests, documents, and implements methods for deriving other biologically important characteristics of coral reef ecosystem habitats and environments from satellite imagery and producing mapping information products. Provides assistance with management of the project, including proposal writing, administrative functions, and supervision, training and mentoring of personnel. Prepares technical reports and scientific manuscripts. Presents and discusses findings at national and international meetings with coastal fisheries and resource managers and interdisciplinary ocean scientists. Participates in research cruises and shore-based small boat surveys to map, assess, and monitor coral reefs of the Pacific islands. **PRIMARY QUALIFICATIONS: EDUCATION/TRAINING:** PhD from an accredited college or university in Geographic Information Systems (GIS), Spatial Statistics, Remote Sensing, Ecology, Marine Biology, Oceanography, or other relevant discipline involving studies of the use of geospatial and remote sensing data to quantitatively derive information about biological or physical characteristics of the seafloor. **EXPERIENCE:** Three to five (3-5) years of experience developing, testing, and implementing geospatial statistical methods for deriving seafloor depths or other biologically and ecologically-important characteristics of coral reef ecosystem habitats, environments or communities from interdisciplinary geospatial and remote sensing data. At least two (2) years of experience supervising paid staff and attendance in supervisory training programs. Experience with relational and spatial database design and utilization Proficiency with basic office productivity software tools (word processors, spreadsheets, presentation software). **ABIL/KNOW/SKILLS:** Understanding of the acquisition, applications, and limitations of acoustic and satellite remote sensing data for marine ecosystem research. Strong working knowledge of geospatial statistical methods and approaches for robustly manipulating and analyzing interdisciplinary geospatial data. Working knowledge of common and advanced statistical procedures used with geospatial data to develop methods and test results. Knowledge of spatial statistics. Basic knowledge and understanding of marine physical/biological processes. Must be able to meet and maintain United States Department of Commerce (DOC) and National Oceanic and Atmospheric Administration (NOAA) security requirements to access work location. Must be a US Citizen or Permanent Resident Alien. Proficiency with

ArcGIS 10.x, or other GIS software. Proficiency with image processing software used to work with satellite imagery, such as ERDAS Imagine, PCI Geomatica, ENVI, etc. Excellent written and verbal communication skills. Demonstrated ability to publish scientific articles in peer-reviewed journals. Must possess a valid driver's license and maintain throughout the duration of employment. Post Offer/Employment Condition: Must be able to meet and maintain US Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA) security requirements for working in a federal facility, which includes being fingerprinted and having a federal background check performed prior to date of hire and maintained throughout duration of employment. **PHYSICAL/MEDICAL REQUIREMENTS:** Ability to remain at sea for extended periods of time. Ability to work for long hours, outdoors at various captive facilities and remote locations with high exposure to sunlight, aboard research vessels and aboard small boats (15-20') in coastal and oceanic waters. Ability to mobilize/demobilize for field mission, which includes loading and unloading gear and equipment. Post Offer/Employment Conditions: Must be able to obtain medical clearance for embarking/working on NOAA research vessels or other appropriate vessels and small boats in coastal and oceanic waters, which includes providing proof of required immunizations and/or obtaining the necessary immunizations as required by NOAA Aviation and Marine Operations. **POLICY AND/OR REGULATORY REQUIREMENTS:** As a condition of employment, employee will be subject to all applicable RCUH policies and procedures and, as applicable, subject to University of Hawai'i's and/or business entity's policies and procedures. Violation of RCUH's, UH's, or business entity's policies and/or procedures or applicable State or Federal laws and/or regulations may lead to disciplinary action (including, but not limited to possible termination of employment, personal fines, civil and/or criminal penalties, etc.). **SECONDARY QUALIFICATIONS:** Knowledge of quantitative ecological methods. Experience working with multibeam and light detection and ranging (LIDAR) bathymetry data and acoustic backscatter imagery. Proficiency with Adobe Illustrator or Adobe Premier. Proficiency with programming in Python, C++, MATLAB, Avenue, Visual Basic for Applications (VBA), Perl, or other language suitable for processing satellite imagery datasets. Working knowledge of ArcGIS Server and web mapping application design and implementation. Administrative experience with Windows and/or UNIX networks. Experience at sea for extended periods of time aboard research or fisheries vessels. Familiarity with coral reef ecosystem ecology and organisms, particularly Indo-Pacific species. Experience operating and or maintaining small boats. **INQUIRIES: Nicole Wakazuru-Yoza 956-5018 (Oahu).** **APPLICATION REQUIREMENTS:** Please go to [www.rcuh.com](http://www.rcuh.com), click on "Employment"; select "Apply" and navigate to "See Job Announcements and/or Apply for a Job." You must submit the following documents online to be considered for the position: 1) Cover Letter, 2) Resume, 3) Salary History, 4) Supervisory References, 5) Copy of Degree(s)/Transcript(s)/Certificate(s). All online applications must be submitted/received by the closing date (11:59 P.M. Hawai'i Standard Time/RCUH receipt time) as stated on the job posting. If you do not have access to our system and the closing date is imminent, you may send additional documents to [rcuhr@rcuh.com](mailto:rcuhr@rcuh.com). If you have questions on the application process and/or need assistance, please call (808)956-8344. **CLOSING DATE: October 26, 2016.** *RCUH's mission is to support the research and training programs of the University of Hawai'i and to enhance research, development, and training generally in Hawai'i.* Equal Opportunities Employer – Minorities/Women/Disability/Veteran.