

Job Description

Job Title: JIMAR PIFSC Quantitative Ecologist (Benthic)
Job ID: 10647
Project Name: JIMAR
Full/Part Time: Full-Time
Regular/Temporary: Regular

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Job Summary

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, Hawaii. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, and availability of funds.

MINIMUM MONTHLY SALARY: \$4,935/Mon.

DUTIES: Works with the PIFSC Coral Reef Ecosystem Division's (CRED) multidisciplinary program to enhance the statistical and analytical capacity of the Coral Reef Ecosystem Division to publish and present past and future results from ecological marine studies across the Pacific Islands region. Leads efforts to evaluate, coordinate, and improve project's integrated assessment and long-term monitoring program such that statistically sound findings and strategic advice can be provided to marine resource managers. Designs, expands, implements, and improves sampling methodologies, survey protocols, and field experiments which facilitate statistically valid analyses of field observations and timely production of presentations, reports, and publications. Serves as the Lead for the Benthic Team providing guidance and supervision to the overall team and develops, establishes, and monitors work plans and team objectives and assists the CRED Chief with strategic scientific advice and identifying research priorities and direction. Evaluates, compiles, processes, integrates, summarizes, and analyzes interdisciplinary data from marine ecosystem research surveys into management-relevant products. Designs, develops, tests, implements and documents state-of-the-art statistical methods that are appropriate for interdisciplinary and multi-scale data analyses and integration. Conducts analyses involving multivariate statistics, spatial statistics, ecological modelling and simulation, spectral analysis, and other quantitative techniques relating to statistical power and change detection. Integrates research findings and summaries into project's interdisciplinary context, and prepares and submits manuscripts for publication in technical reports and refereed scientific literature, as well as makes presentations to professional/scientific bodies and educational venues, both nationally and internationally. Prepares and delivers presentations as part of the PIFSC coral reef ecosystem education and outreach efforts. Participates in research cruises.

PRIMARY QUALIFICATIONS: **EDUCATION:** Ph.D. from an accredited college or university in the field of Quantitative Ecology, Statistics, Marine Biology, Zoology, Botany, Biology, or other relevant discipline. (Master's Degree from an accredited college or university and five (5) years of relevant work experience in quantitative ecology with a publication record in one of the above field may be substituted for a Ph.D. Degree). **EXPERIENCE:** Three to five (3-5) years of experience with independent quantitative marine or terrestrial ecological research utilizing state-of-the-art statistical procedures for multi-disciplinary spatial data. Three to five (3-5) years of experience with the design and implementation of an integrated ecosystem assessment and monitoring program, and with quantitative field survey methodologies. One to three (1-3) years of supervisory experience supervising scientific staff and technicians. Experience with carrying ecological research projects to completion and publishing results, including first authorship on at least two peer-reviewed journal articles.

11/22/2010

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