

Bulletin Board Posting: 12/29/11

RCUH Website: 12/29/11

Craigslist: 12/29/11

AGU.com: TBD

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JIMAR PIFSC RESEARCH OCEANOGRAPHER & DATA ANALYST – ID# 11688. 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, Hawaii. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws. **MINIMUM MONTHLY SALARY:** \$3,837/Mon. **DUTIES:** Processes, analyzes and interprets in-situ and remotely-sensed environmental datasets with advanced modeling techniques to research oceanographic processes and mechanisms which impact coral reefs. Leads efforts to understand climate variability and associated changes to physical, chemical, and biological processes pertinent to coral reef ecosystems. Design, develop, test, implement, and document computer procedures and application programs which ensure the integrity, accessibility, timeliness, and usability of oceanographic and related data generated or collected by the project. Designs, develops, and coordinates software tools, data processing scripts, and data management procedures to analyze, integrate, and visualize ecosystem data, and trains others in their use. Develops, implements, and maintains procedures to process and produce data products from near-real-time telemetered data and archived data from remote instruments, as well as data collected during research cruises. Contributes to scientific manuscripts for publication and presents research at various conferences or relevant settings. Participates in research cruises, marine ecosystem surveys and observation networks to assess and monitor coral reefs, which involves field surveys, the deployment and recovery oceanographic instrument platforms, and data transmission, analysis, and creation of data products. **PRIMARY QUALIFICATIONS: EDUCATION:** Master's Degree from an accredited college or university in Oceanography or related field. **EXPERIENCE:** Three to five (3-5) years of experience processing and analyzing oceanographic data from in situ instruments. Experience working with modeled and remotely sensed oceanographic and meteorological data sets and data products. Experience in working with large data sets, including formulating, manipulating datasets and writing graphical user interfaces. Experience conducting oceanographic data analyses, time-series analyses, and other procedures commonly used by practitioners. Previous experience conducting field work related to oceanographic data collection. **ABIL/KNOW/SKILLS:** Solid knowledge and understanding of fundamental physical, biological, and chemical oceanographic processes is required. Knowledge and experience working with oceanographic instrumentation. Knowledge of advanced statistical procedures to perform data analyses. Knowledge of the Intergovernmental Panel on Climate Change (IPCC) or other climate forecast models to project region specific oceanographic changes and their associated impacts to coral reef ecosystems. Knowledge of near-shore wave modeling and analyses for islands, atoll, and other coral reef environments and numerical modeling and simulation of hydrodynamic factors influencing near-shore marine environments. Must possess good written and verbal communication skills. Ability to manipulate large data sets using data analysis/spatial software packages such as Python, IDL, MATLAB or similar. Strong computer programming and organizational skills and familiarity with the implementation of version control principles in a software development environment. Proficiency with the operation, deployment, and data analysis of oceanographic instruments and sampling methodologies. Ability to work independently and make decisions. Must possess strong interpersonal and communication skills. Proficiency with using basic office productivity software tools, including word processors, spreadsheets, and MS PowerPoint. Must possess a valid driver's license to assist with transporting

equipment and gear. Must be able to pass all training requirements, including but not limited to basic boating, first aid, CPR, and oxygen assistance. Other training requirements may include advanced coxswain training, advanced first aid, and forklift training. Must be SCUBA certified (NAUI, PADI, etc.) to meet the standards established by the program's diver certification process (which meets the standards set by the American Academy of Underwater Science). Must be able to complete UH/NOAA diving certification, which includes meeting the physical, watermanship, academic, and experience requirements. Must be able to complete SCUBA diving advanced open water certification with a minimum of 40 dives and possess good free diving skills. Post Offer/Employment Conditions: Must meet the US Department of Commerce, National Oceanic and Atmospheric Administration security requirements for working in a federal facility which includes being fingerprinted and having a federal background check performed. **PHYSICAL/MEDICAL REQUIREMENTS:** Must be able to obtain NOAA Medical Clearance for NOAA diving requirements as well as for embarking/working on NOAA research vessels or other appropriate vessels which includes providing proof of required immunizations and/or obtaining the necessary immunizations as required by NOAA Marine and Aviation Operations. Ability to work 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 lift up to fifty (50) pounds of scientific instruments, scuba gear and equipment. **SECONDARY QUALIFICATIONS:** Prior experience with a high-level data handling program such as MATLAB, IDL, or similar. Knowledge and experience in project management functions including planning, budget, tracking, and reporting. Experience in proposal and grant applications, including interpreting RFPs and other solicitations and developing project proposals. Record of publications and knowledge of the scientific (peer) review process and knowledge of the scientific proposal review process. Working knowledge of ArcGIS, Adobe Illustrator and Photoshop. Experience editing, reviewing, and developing data products for multi-volume scientific reports. Experience working with electronics, instrumentation and other oceanographic equipment. Experience with moored oceanographic instruments and Global Positioning System (GPS) receivers and data. Previous experience in small boat and personal water craft (PWC) handling. Previous experience with SCUBA operations utilizing lift bags to position large (1000 pound) sea floor instrument platforms. **INQUIRIES: Nicole Wakazuru-Yoza 956-5018 (Oahu).** **APPLICATION REQUIREMENTS:** The preferred method of applying for a job is through our on-line application process. Please go to www.rcuh.com, click on "Employment" and navigate to "Job Announcements/Apply for a Job." However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your qualifications for position and salary history; names, phone numbers and addresses of three supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax (808) 956-5022, mail, or hand-deliver to: Director of Human Resources, Research Corporation of the University of Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. Online applications and faxed documents must be submitted/received by the closing date (11:59 P.M. Hawaii Standard Time/RCUH receipt time). Mailed documents must be postmarked by the closing date. Hand-delivered documents must be received by our HR office by 4 P.M. Hawaii Standard Time/RCUH receipt time. If you have questions on the application process and/or need assistance, please call (808)956-3100. **CLOSING DATE: January 31, 2012.** EEO/AA Employer.