Job Description

Job Title: Post-Doctoral Research (Marine Ecophysiology)
Job ID: 12127
Project Name: UHH/EPSCR
Full/Part Time: Part-Time
Regular/Temporary: Regular

MINIMUM MONTHLY SALARY: $1,611/Mon. (@ 50 % FTE)

DUTIES: The primary responsibility will be to investigate and understand terrestrial to aquatic (i.e., near-shore marine waters) nitrogen linkages relating to the presence of the non-native, N-fixing tree, Prosopis pallida (a.k.a. "Kiawe" in Hawaii) in dry coastal lowland ecosystems of leeward Hawaii. Specifically, will investigate how tissue nitrogen pools in the ubiquitous marine alga Ulva intestinalis (a bio-indicator species) are affected by proximity to dense stands of this invasive tree. Where changes are observed in N-pools at impacted sites, will examine shifts in Ulva tissue d15N values, to examine the sources for the extra nitrogen. Will work in close collaboration with terrestrial and aquatic ecologists as well as biochemists. This work will be a key component of an interdisciplinary research program seeking to understand the sources, sinks and biogeochemical evolution of groundwater nutrient pathways along the central Kona coast of Hawaii, with its main thrust being the differentiation and interaction between pristine, anthropogenic and invasive species nutrient flux/reservoir components. This program further seeks to characterize the economic benefits and costs of reducing nutrient loading through management of all identified drivers. Will focus on measurement of Ulva tissue nitrogen pools and water nutrient concentrations as they relate to terrestrial and aquatic nutrient cycling and soil hydrologic processes as well as collaborating and coordinating with researchers at UH, USDA-Forest Service, and state agencies that are developing a cross-cutting initiative in water resources and ecohydrology in Hawaii.

PRIMARY QUALIFICATIONS: EDUCATION: PhD from an accredited college or university in biology, ecology, environmental science, botany, or related field. EXPERIENCE: One to three (1-3) years of experience in field and lab research relating to physiological measurements of plants, algae, and/or water. ABIL/KNOW/SKILLS: Knowledge of algal ecology and physiological principles relating to interactions between algae and their environment. Strong proficiency in conducting research including data analyses and scientific writing. Ability to work independently and collaboratively with a diverse team of scientists, technicians, community members, and students (graduate and undergraduate); ability to collect and analyze chemical and physiological data; strong interpersonal and organizational skills; excellent writing and verbal skills; ability to work on rough terrain and in otherwise physically demanding environments. Must possess a valid driver’s license. PHYSICAL/MEDICAL REQUIREMENTS: Able to perform field work involving hiking, physical labor, and carrying of moderately heavy equipment (thirty (30) pounds) in remote, rough terrain in inclement weather.

SECONDARY QUALIFICATIONS: A demonstrated record of research publication; experience with water column nutrient measurement (particularly nitrogen and phosphorus) and responses of intertidal algal communities and algal physiological processes to nutrient enrichment.
INQUIRIES: Zeada Pachecano 933-3323 (Hawaii).

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.

EEO/AA Employer.

Please apply before 03/17/2012