Job Description

Job Title: PostDoctoral Researcher (Data Modeling & Analysis)
Job ID: 10275
Project Name: UHH/EPSCR
Full/Part Time: Full-Time
Regular/Temporary: Regular

MINIMUM MONTHLY SALARY: $3,222/Mo.

DUTIES: Support scientists' research in ecosystems and species/genetic population dynamics across temporal and spatial scales and will be responsible for the development and application of data structures and modeling algorithms for the analysis of complex bio-geographical systems. Design, develop and implement computational models for species invasions, involving ecosystems, climate, geography and human activity. Ensure that data collected by other team members can be integrated and used in computer models to draw valid scientific conclusions. Participate in the analysis of data for model development and prediction. Work with collaborating partners (UH System, governmental, NGO and private) to coordinate interoperability with legacy and future applications. Participate in outreach and scientific dissemination activities such as preparation and presentation of papers, talks and posters.

PRIMARY QUALIFICATIONS: EDUCATION: PhD from an accredited college or university in a field directly related to the duties listed above. EXPERIENCE: One to three (1-3) years of experience in writing and running computer simulations of complex ecological systems with demonstrated results in significant scientific contributions. ABIL/KNOW/SKILLS: Solid knowledge of a diverse set of relevant algorithms and software such as evolutionary computing, agent-based models, complex networks and nonlinear data analysis. Good general knowledge of ecological sciences. Strong programming ability, as well as flexibility to understand and adapt off-the-shelf software.

SECONDARY QUALIFICATIONS: Experience as part of an interdisciplinary team. Proficiency with large databases, high-performance computing and advanced visualization techniques. Track record in the supervision of undergraduate researchers.

INQUIRIES: Phillippe Binder 974-7650 (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:** 06/12/2010