Postdoctoral Researcher in seawater chemistry and coral physiology

We seek to hire a postdoctoral researcher to work collaboratively with a dynamic and interdisciplinary research team. The Postdoctoral research will be co-advised by Dr. Kuʻulei Rodgers (Hawaiʻi Institute of Marine Biology) and Dr. Keisha Bahr (Texas A&M University-Corpus Christi) and work alongside Dr. Ellen Briggs (University of Hawaiʻi) and Dr. Chris Sabine (University of Hawaiʻi) on a collaborative NSF funded project.

The goal of this project is to examine the fundamental connections between seawater chemistry and coral physiology by investigating the modulation of seawater chemistry in the microenvironment surrounding corals. This work will be conducted at the Hawaiʻi Institute of Marine Biology (HIMB) on Moku o Loʻe in Kāneʻohe Bay, Hawaiʻi. The researcher will set-up, operate, and oversee lab experimentations utilizing the state-of-the-art experimental mesocosm facility at the Coral Reef Ecology Lab (www.coralreefecologylab.com) at HIMB. The researcher will also maintain an ecological database that includes detailed information on all experiments as well as assists in respirometry work and sensor development. The researcher will be expected to carry out a portion of the work outlined in our grant and will be encouraged to develop studies within their specific area of interest as they relate to coral reef ecosystem science. The start date is somewhat flexible, but no later than June 2021, and the appointment is for one year with the possibility to extend for an additional 1-2 years provided acceptable progress and funding availability.

Minimum qualifications are a Ph.D. in marine ecology, chemistry, oceanography, environmental science, biogeochemistry, or related fields and evidence of scientific productivity in the form of two or more peer-reviewed publications. Additional qualifications include experience with maintaining seawater systems, conducting manipulative experimentations, and collecting discrete carbon system measurements in seawater. Evidence of strong science writing and communication skills, ability to work independently and as part of a collaborative team, and experience mentoring undergraduate or graduate students are desirable qualifications. The ideal candidate will have a background in marine ecology as it intersects with carbonate biogeochemistry and coral reef organismal physiology.

Interested parties should email Dr. Keisha Bahr (keisha.bahr@tamucc.edu) and Dr. Kuʻulei Rodgers (kuuleir@hawaii.edu) with the following information: (i) a current CV; (ii) a cover letter outlining how you meet the minimum criteria, your background relevant to the project, and how your background fits the additional selection criteria mentioned above; and (iii) contact info for 3 references. Please put “Proton Flux Postdoc” in the subject of the email.

Review of applications will begin 10 April 2021. A formal application to the Research Corporation of the University of Hawaiʻi must be received no later than 10 April 2021. To apply, go to www.rcuh.com, click on Job Postings, and search for position # 221118.

Researchers that are traditionally underrepresented in STEM fields are highly encouraged to apply.