Please see below announcement for a Graduate Research Assistantship in Marine Microbiology and Biotechnology at the University of Hawaii.  This GA is part of a study that Surfrider Foundation is leading on Oahu to develop and pilot a new rapid method for beach water quality testing.

POSITION ANNOUNCEMENT
MARINE MICROBIOLOGY AND BIOTECHNOLOGY

Position Title: Graduate Research Assistant
Location: University of Hawaii at Manoa, St. John Plant Science Lab, 3190 Maile Way, Honolulu, HI 96822
PI: Dr. Daniel Jenkins - Department of Molecular Biosciences & BioEngineering
CO PI: Dr. Daniel Amato - Marine Biology Graduate Program
Starting Date: Spring 2022 Semester
UH position #: pending
Minimum Starting Salary: Step 08 - $22,140 annual @ 20hrs per week (0.5% FTE). Includes full tuition waiver and access to health care.

Duties and Responsibilities:
1. Assist with water sample collection at various coastal areas
2. Assist with water sample preparation including DNA extraction in a Biosafety level 2 lab 3. Perform bacterial culture and DNA amplification experiments with fecal indicator bacteria 4. Record and interpret results experiments
5. Assist PI with development of new LAMP assays for fecal indicator bacteria
6. Assist PI with writing and publication of papers for journal submissions
7. Perform other duties as assigned.

Minimum Qualifications (MQs):
1. Must be a classified degree-seeking student in a MS or PhD program
2. Must be in good academic standing and maintain a GPA of 3.0 or above;
3. Have some education or experience in Microbiology
4. Demonstrated competency in general computer programs (e.g., Excel, PowerPoint, Word) 5. Demonstrated ability to meet deadlines
6. Demonstrated ability to communicate and work effectively with others
7. Interest in coastal water quality and reef/human health

Desirable Qualifications:
1. Background in molecular biology, biotechnology, and/or bioinformatics 2. Prior experience with LAMP or PCR
3. Prior experience with DNA extraction from water samples
4. Prior research and data analysis experience
5. Experience in a biosafety level 2 lab
6. Doctoral student

Applications will be accepted until the position is filled. Please reply to the email address below with a short summary of your previous experience and scientific interests, a current CV, and names/contact information for at least two professional references.

Dr. Daniel Amato
Affiliate Faculty – Marine Biology Graduate Program University of Hawai'i at Manoa
Email: dwamato@hawaii.edu