

## ISLAND SAMPLING DAY Nov 13

### *"Reef-To-Ridges"*

Field Sampling and Microbiome Profiling of Moorea, French Polynesia

## *Genomic Standards in Biodiversity, Climate Change, and Human Health*

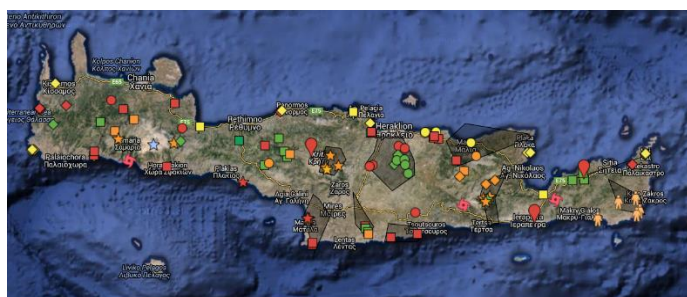
The 22nd annual Genomic Standards Consortium (GSC) meeting will occur between Nov 10-12, 2021 at the Gump Research Station on the Island of Moorea, French Polynesia (<https://www.moorea.berkeley.edu/>). As part of this event, attendees will have the opportunity to join teams and participate in the Island Sampling Day (ISD) event coined as Reefs to Ridges. This field sampling will include microbiome sampling of soils and sediments from within Cook bay and transect a line to the top of nearby Mont Rotui (see inset).



The Island of Moorea (left) with proposed sample collection route in yellow (right)



Previous island sampling days have occurred at other GSC meetings. As an example, during the GSC18 conference on the Island of Crete in Greece. During this event, hundreds of samples were collected by attendees using specially designed samplers that could penetrate the hard ground of the island and withstand strong disinfection between sample sites. Samples were extracted for DNA and sequenced using 16srDNA on an Illumina platform. Data is currently being analyzed and prepared for publication. This will be a similar approach for the Reef to Ridges project for the GSC-Moorea meeting.



Sample collection locations on the island of Crete during GSC18 during May 2018

Sampling with the sterile hammer tube method in the hard ground of Crete



This will be a full and rewarding adventure. If you would like to participate, please let us know.