

# Rapid 'Ōhi'a Death "Lab in a Suitcase" Diagnostic Training

Location: TBA Honolulu, HI in Coordination with the Hawai'i Conservation Conference

**Date:** Friday July 12<sup>th</sup>    **Time:** 9 am – 4 pm

**Location:** St. John Plant Science Lab Room 302, University of Hawai'i at Mānoa

The workshop will include hands-on training in the use of the mobile "Lab-in-a-Suitcase" for making on-site management decisions. The test can detect both *Ceratocystis lukuohia* and *huliohia*, the fungi responsible for Rapid 'Ōhi'a Death. The entire assay including DNA extraction can be performed in as little as 90 minutes on up to 8 samples at a time. Additionally, participants will also learn the carrot-baiting technique for culturing *Ceratocystis*. Registration is limited, with priority to individuals from management organizations and response teams with a need for this capability. Previous lab experience is helpful but not necessary.

## Draft Agenda:

- 1 hour - Introductions and Lecture
- 30 minutes - Pipetting Practice
- 1 hour 30 minutes - Sample "Collection" and DNA extraction
- 1 hour - Lunch on your own
- 1 hour - Recombinase Polymerase Amplification and Reading Results
- 30 minutes - Wrap-up
- 30 minutes - Carrot Baiting Training (optional)



Please email [kroy@usgs.gov](mailto:kroy@usgs.gov) if you are interested in signing up. Space is limited.