

Join us for the *Inaugural*  
Coconut Rhinoceros Beetle Science Symposium  
**Harnessing Knowledge to Protect  
Communities & Ecosystems**

September 11 & 12 Virtual; 1:00-4:30 PM HST



## AGENDA

### *Day 1: September 11*

#### **1:00 pm Welcome & Introducing CRB**

**1:00 pm Welcome & Introductions** – Dr. Elliott Parsons, Pacific Regional Invasive Species & Climate Change Management Network, PI-CASC at UH Mānoa & Dr. Keith Weiser, Hawai‘i Coconut Rhinoceros Beetle Response

**1:15 pm CRB Biology: Know Your Enemy** – Dr. Aubrey Moore, University of Guam

**1:50 pm CRB... Who Cares!** – Roland Quitugua, University of Guam Cooperative Extension Outreach

#### **2:20 pm BREAK**

#### **2:25 pm Session 1: Monitoring and Management**

**2:30 pm Overview of Regional Variability in Palm Health and Infestation Levels at Several Sites on Oahu** – Dr. Keith Weiser, Hawai‘i Coconut Rhinoceros Beetle Response

**2:45 pm Can RNA Interference be a Component of CRB Control?** – Dr. Michael Melzer, Department of Plant & Environmental Protection Sciences, College of Tropical Agriculture and Human Resources, University of Hawai‘i at Mānoa

**3:00 pm Find the Notch! Developing an AI Detector for CRB Damage Using Drone Imagery** – Dr. Ryan Perroy, Geography & Environmental Science, University of Hawai‘i at Hilo

**3:15 pm Remote Surveillance and Aerial Pesticide Application for CRB Delineation and Control** – Dr. Daniel Jenkins, Department of Plant & Environmental Protection Sciences, College of Tropical Agriculture and Human Resources, University of Hawai‘i at Mānoa

**3:30 pm BREAK**

**3:35 pm Session #2: Communications & Emerging Research**

**3:40 pm Trapping and Tracking CRB: Research from Guam and Hawai‘i** – Dr. Matthew Siderhurst, U.S. Department of Agriculture, Agricultural Research Service, Daniel K. Inouye U.S. Pacific Basin Agricultural Research Center

**3:55 pm Protecting Moananuiākea Meals: Analyzing the Effects of Weather Inflicted CRB on Pacific Island Food Security** – Andie Le Doux, University of Hawai‘i at Mānoa, Hawai‘i Department of Agriculture

**4:10 pm Amplifying Efforts in CRB Communications and Management: The Hawai‘i CRB Communication Plan** – Elizabeth Speith, Hawai‘i Invasive Species Council, Pacific Cooperative Studies Unit, University of Hawai‘i at Mānoa & Arisa Barcinas, Coconut Rhinoceros Beetle Response, Research Corporation of the University of Hawai‘i

**4:25 pm Closing Remarks Day 1**

**4:25 pm Closing Remarks and Wrap-up for Day 1** – Franny Brewer, Big Island Invasive Species Committee

**4:30 pm Finish**

## ***Day 2: September 12***

**1:00 pm Welcome Back & CRB Across the Pacific**

**1:00 pm Welcome Back & Introductions; Recap of Day 1; Overview of Day 2** – Franny Brewer, Big Island Invasive Species Committee

**1:15 pm Coconut Rhinoceros Beetle (CRB) spread and establishment in the Pacific, and the management experiences from Vanuatu** – Dr. Mark Ero, Pacific Community (SPC), Land Resources Division Pacific Awareness and Response to the Coconut Rhinoceros Beetle (PARC) Project

**1:50 pm Away from mtCOI – WGS assessments of the Guam haplotype pervasiveness and CRB biosecurity hotspots in the Pacific** – Dr. Tek Tay, CSIRO Health & Biosecurity, Invasive Species & Disease Program

**2:20 pm BREAK**

## **2:25 pm Session 3: Detection, Invasion Pathways & Genetics**

- 2:30 pm** **CRB Biosecurity Interceptions** – Dr. Ben Hoffmann, CSIRO Health and Biosecurity, Tropical Ecosystems Research Centre, Australia
- 2:45 pm** **CRB Environmental DNA Survey Tool** – Dr. Julie Lockwood, Ecology, Evolution and Natural Resources, Rutgers Climate and Energy Institute, Rutgers University
- 3:00 pm** **CRB Containment – Guam Detector Dog Team for Outbound Cargo** – Dr. Andrea Blas, Micronesia Conservation Trust
- 3:15 pm** **Coconut Rhinoceros Beetle and OrNV in Palau, a prospect for control for the Pacific** – Dr. Christopher Kitalong, Palau Community College Cooperative Research Extension
- 3:30 pm** **Audience Survey** – Dr. Keith Weiser, Hawai'i Coconut Rhinoceros Beetle Response

## **3:35 pm Break**

## **3:40 pm Session 4: Drones & Q&A**

- 3:45 pm** **Drone Based Aerial Application for CRB** – Dr. Roberto Rodriguez III, Aeronautical Sciences, University of Hawai'i at Hilo, & Timo Sullivan, Aloha 'Aina Drones
- 4:00 pm** **Question & Answer Session for all available panelists** – Moderated By:  
Chelsea Arnott: Hawai'i Invasive Species Council, Department of Land and Natural Resources, Division of Forestry & Wildlife  
Christy Martin: Coordinating Group on Alien Pest Species, University of Hawai'i at Mānoa

## **4:25 pm Closing Remarks Day 2**

- 4:25 pm** **Closing Remarks and Wrap-up for Day 2** – Christy Martin, Coordinating Group on Alien Pest Species, University of Hawai'i at Mānoa
- 4:30 pm** **Finish**

Register for the 2024 CRB Science Symposium here ([registration link](#)).

# CRB Science Symposium 2024: Harnessing Knowledge to Protect Communities and Ecosystems

What do we know about the movement, ecology, and management of the invasive Coconut Rhinoceros Beetle?

Join us for this zoom webinar to learn about recent research developments, management insights, and key prevention and response strategies to help mitigate CRB as it continues to expand its range across the Pacific.



**SEPTEMBER 11 & 12**  
**1:00-4:30 PM HST**

Brought to you by Big Island Invasive Species Committee, CRB Response, Micronesia Conservation Trust, and Pacific Regional Invasive Species and Climate Change Management Network. Contact BIISC ([biisc@hawaii.edu](mailto:biisc@hawaii.edu)) for more information.



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