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# Pacific Region Avian Influenza Training Workshop

August 1 – 5, 2006  
Honolulu, Hawaii

Monday, 12pm to 3pm: Registration Period

**Registration and Information Packet Pick-Up at Hale Wainani lobby**

Please remember to bring your passport!

1. Fill out *University of Hawaii Non-Employee Reimbursement Form*
2. Provide photocopies of your passport and entry visa
3. Pick-up training materials and name tags
4. Receive partial payment of per diem
5. Pay mandatory conference and meal program fees
6. Pick-up University of Hawaii Campus map

**Note: All classes are in Agriculture Science III Building Room 219 unless noted. Times and speaker order may need to be adjusted as conditions require.**



**Pacific Emergency Management Preparedness and  
Response Information Network and Training Services**

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**Tuesday, 8 to 8:30am: Training Begins**

### **Welcome and Introductions**

1. Welcome and introduction by Dr. Andrew Hashimoto, Dean of the College of Tropical Agriculture and Human Resources, University of Hawaii
2. Welcome and introduction by Dr. Ann Sakaguchi, Principal Investigator, Pacific EMPRINTS project, Anthropology Department, College of Arts and Sciences, University of Hawaii
3. Welcome and introduction by Mr. James Hollyer, Avian Influenza Training Workshop Organizer and ADAP Project Manager
4. Instructor and participant introductions
5. Overview of course materials and course requirements
6. Participant photo

**Tuesday, 8:30 to 11am: Presentation by Cap. Carter Davis, Honolulu Fire Department**

### **Emergency Events**

1. Overview Chemical, Biological, Radiological, Nuclear, and High Explosive (CBRNE) Disasters and Natural Disasters
2. Farm chemicals: pesticides, and herbicides
3. Toxicology
4. Basics of Personal Protective Equipment and clothing
5. Avoiding farm accidents
6. Basic principles of emergency management
7. Community protection overview

**Tuesday, 11 to 12pm: Presentation by Dr. John Casken, UH School of Nursing**

### **Basic Principles / Preparedness Training for Biological Outbreak / Disaster**

1. Background on outbreaks
2. Background on contagion / transmission

Tuesday, 1 to 3pm: Presentation by Ms. Lynn Nakamura-Tengan, UHM/CTAHR

## **Hand Hygiene to Prevent the Spread of Disease**

1. Basic information about germs
  - a. Types
  - b. Modes of transmission
2. Importance of hand washing
  - a. When to wash
  - b. How to wash
3. Alternative hand hygiene options
  - a. Products available
4. Discussion on local implementation

Tuesday, 3 to 5pm: Presentation by Cap. Carter Davis, Honolulu Fire Department

**\*\*Medical Clearance for N95 Respirator Use Form required for this section\*\***

## **Personal Protective Equipment (PPE)**

1. Topics covered
  - a. Gloves
  - b. Masks and respirators (N-95)
  - c. Goggles and eye protection
  - d. Boots and boot covers
  - e. Coveralls, aprons, and tyvek suits
  - f. Disinfectants
  - g. Proper storage for PPE equipment
  - h. What do you do with damaged equipment
  - i. Other PPE
  - j. Respirator Fit Tests
  - k. Hands-on demonstration: Try on PPE

## Wednesday 8 – 12pm: Group Discussion of Pacific Region Surveillance Plans

### Avian Influenza Surveillance Plan

1. Topics to be covered
  - a. Disease pathology
  - b. Migratory birds and the Pacific Flyways
  - c. Legal and Illegal poultry trade
  - d. Threats to wildlife and domestic animals (chicken, cats, and pigs)
2. Overview of US Fish and Wildlife Service's and US Geological Survey Surveillance Plan for the Pacific (Dr. Jeff Burgett and Dr. Thierry Work)
3. Overview of Secretariat of the Pacific Community plans (Dr. Konrad Elgenberger)
4. Overview of work conducted by the John A. Burns School of Medicine (Dr. Duane Gubler)
5. Overview of National Park Service Surveillance Plans (Dr. Darcy Hu)
6. Overview of the Guam Surveillance Plan (Dr. Thomas Poole)

## Wednesday 1 – 3pm: Group Discussion of Pacific Region Response Plans

### Avian Influenza Response Plan

1. Introduction
  - a. Goals of a response plan
2. Overview of Guam Response Plan (Dr. Thomas Poole)
3. Overview of Regional Response Plans (Dr. Steve Ostroff)
4. Overview of Hawaii's Pandemic Influenza Preparedness and Response Plan (Dr. Arlene E. Buchholz, Hawaii Department of Health)
5. Wildlife Surveillance data management (Dr. Thierry Work)
  - a. HPAI Reporting System
  - b. Demo online at <http://www.wildlifedisease.nbil.gov/aidemo/menu.jsp>

## Wednesday 3 – 4pm: Presentation by Dr. Thomas Poole, Guam Territorial Veterinarian

### Backyard Biosecurity

1. Keeping your farm safe

## Discussion of Friday's Field Exercise

### Throat and Cloacal Samples

1. Step-by-step demonstration
  - c. Sampling equipment / PPE
  - d. Site / laboratory requirements
  - e. Disinfectants
2. Packaging sample for shipping
3. Reporting – how to fill out Sample Submittal form

### Whole Bird Samples / Specimens

1. Step-by-step demonstration
  - a. Sampling equipment / PPE
  - b. Site / laboratory requirements
  - c. Disinfectants
2. Packaging sample for shipping
3. Reporting – how to fill out Sample Submittal form

## Emergency Response to Bird Mass Mortality/Morbidity Event

### Containment Efforts 1

1. Control site / quarantine
2. Pick-up dead animals
3. Safe disposal of carcasses
4. Sanitize area
5. Vigilant surveillance of surrounding area for further outbreaks
6. Keep infected animals from entering the food supply
7. Protecting off-shore islands from infection

### Containment Efforts 2: **THEORY ONLY** – Culling

### **GPS/GIS Training Sessions**

1. Overview of GPS and GIS technology
2. How to use a GPS unit
  - a. Demonstration and hands-on exercises around campus
3. Potential uses of GPS and GIS for Emergency Management
4. Meet up with GIS students around 1:30-2:00pm to transfer data

### **Preparing for Dead Bird Surveillance: Measuring and Mixing Disinfectants**

1. How to properly measure and prepare household bleach solution.
2. How to properly disinfect a surface.
3. How to properly dispose of disinfectants.

### **Dead Bird Surveillance: Collecting and Shipping Samples**

1. The participants will demonstrate the proper way to don HPAI PPE: Gloves, booties, goggles, and masks.
2. The instructor will demonstrate the correct way to collect tracheal and cloacal swabs from the carcass.
3. Each participant will demonstrate to the instructor tracheal and cloacal sample collection.
4. Participants will label and package samples for transportation.
5. Demonstrate how to properly disinfect surface.

### **Dead Bird Surveillance and Response: Collecting Bird Carcasses for Sampling and Disposal**

1. In outside, grassy area, participants will encounter a simulation of a bird mortality event.
2. Participants establish “HOT ZONE”, and put on PPE (gloves, goggles, booties, and masks).
3. Participants pair off, with one participant acting as “HOT” participant, a distinction that signifies the participant will move into the “HOT ZONE” to collect the carcasses and will need to be “decontaminated” before leaving the “HOT ZONE”. The “COLD” participant will stay outside the “HOT ZONE”, fill out sample information, environmental information, and assist “HOT” participant in “decontamination”.
4. “HOT” participants will practice safely collecting the carcasses in heavy-duty plastic bags and disinfecting the surrounding area with 10% solution of household bleach. Carcasses will be individually double-bagged in imitation of sample collection. “COLD” participants will disinfect the exterior of the bag and

label the sample. The “COLD” participant will record sample data, collect GPS coordinates, and fill out sample submittal forms.

5. “HOT” participants will “decontaminate” by carefully removing their PPE (booties, goggles, mask, and gloves). PPE will be collected in biohazard bag for incineration/decontamination.

### **Dead Bird Surveillance and Response: Collecting Bird Carcasses for Sampling and Disposal**

1. Repeat above training exercise, allowing participants that previously were “HOT” to act as the “COLD” participants, and “COLD” as “HOT”.
2. Demonstrate proper way to dispose of carcasses.

**Saturday 8 – 12pm: Presentation by Dr. Thomas Poole, Gilmore Hall 112**

### **Community Education**

1. Review and discussion of extension materials currently available (examples from USDA)
  - a. Bird Flu Overview
  - b. Backyard Biosecurity
  - c. Symptoms of infection in domestic poultry
  - d. Buy Health; Keep Healthy
  - e. Do NOT eat dead birds
  - f. Do NOT let children play with dead birds
  - g. Food safety
  - h. Early reporting
  - i. Finding resources in your community
  - j. For more information
  - k. Do NOT feed wildlife (reduce artificial concentrations of wild birds)
  - l. Enclose poultry and pig pens
2. What do first responders need back home for outreach materials

**Saturday 12 – 3:00 pm: Program Wrap-up**

1. Resources for more information on Avian Influenza, and Pandemic Influenza
2. Build your Avian Influenza Response kit with Personal Protection Equipment and supplies.
  - a. Discuss items in the AI Response kit.
  - b. Discuss proper care and storage of AI Response kit.
3. Graduation Ceremony
4. Final addresses
  - a. Jim Hollyer, ADAP Project Manager
  - b. Dr. Thomas Poole, Guam Territorial Veterinarian and Instructor
  - c. Final comments on return flights, shuttle bus to airport, housing check-out, and, meal card return.