AIMS AND SCOPE

The 3-day interdisciplinary meeting will focus on a social-ecological systems approach as a framework for interdisciplinary and methodological integration to improve research, surveillance, prevention, and control of emerging infectious diseases (EIDs) in the Asia-Pacific region. The working meeting is supported by a grant from the National Institutes of Health for methodological innovation in interdisciplinary health research and is co-hosted by the University of Hawai‘i’s John A. Burns School of Medicine and the East-West Center. The aims of the meeting are to:

a) Expand dialogue and contextual understanding of EIDs beyond disciplinary constraints

b) Advance methodologies based on the integration of methods that address the combined social and ecological context of emerging infectious disease; and

c) Identify bridges and barriers to innovating, integrating and sustaining prevention and control efforts.

We will focus on three diseases that reasonably cover the range of social-ecological dimensions requiring consideration: dengue fever, HIV/AIDS, and leptospirosis, although discussion will include EIDs generally.

The purpose of this working meeting is to improve understanding and response to mitigate the increasing burden of EIDs in the Asia-Pacific region, which are experienced especially by minority populations. Participants have been selected for their experience in interdisciplinary integration and infectious disease with expertise ranging through ecology, microbiology, medial anthropology, medical geography, geographic information sciences, human and veterinary epidemiology, public health and environmental health. Expected outcomes include publications, recommendations for collaborative projects, and planning for grant proposals in priority areas of research, prevention and control of EIDs in the region (see p. 7 for details).

1 For the purpose of this meeting EIDs are defined according to the seminal 1992 Institute of Medicine Report, Emerging Infectious Diseases: Microbial Threats to Health in the United States by Lederberg J, Shope RE, Oaks SC, eds. “Emerging infections are those whose incidence in humans has increased within the past two decades or threatens to increase in the near future.”
## Agenda at a Glance

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Theme of the Day</strong></td>
<td>&quot;Beyond Disciplinary Constraints&quot;</td>
<td>&quot;Bridges and Barriers to Integration and Innovation&quot;</td>
</tr>
<tr>
<td><strong>Session [venue]</strong></td>
<td><strong>MORNING SESSION/ MINI-SYMPOSIA [Asia Room]</strong></td>
<td><strong>LUNCH [Makana Room, garden level]</strong></td>
</tr>
<tr>
<td>7:00</td>
<td>7:00 Check-in outside Asia Room, 2nd Floor</td>
<td>7:30 Tribute Breakfast</td>
</tr>
<tr>
<td>8:00 Opening, Pule Introductory remarks Meeting overview.</td>
<td>8:30 Intro, Day 2 Outline, Working group feedback</td>
<td>10:00 Break</td>
</tr>
<tr>
<td>9:00 Mini-symposia: Leptospirosis</td>
<td>9:00 Mini-symposia:</td>
<td>10:00 Lunch</td>
</tr>
<tr>
<td>10:00 Break</td>
<td>10:30 Lunch</td>
<td>Speaker: D. Neubauer</td>
</tr>
<tr>
<td>10:30 Lunch (cont)</td>
<td>12:00 Lunch</td>
<td>Speaker: G.P. Patil et al</td>
</tr>
<tr>
<td><strong>WORKING GROUPS [Breakout rooms]</strong></td>
<td>15:00 – 17:30 Working Groups</td>
<td></td>
</tr>
<tr>
<td>2. Dengue [Pago Pago Room]</td>
<td>2. Dengue [Pago Pago Room]</td>
<td>18:00 Welcome Reception Burns Hall, East-West Center</td>
</tr>
<tr>
<td>5. Information Technology [UH Campus Center; see detailed program for rooms]</td>
<td>5. Information Technology [UH Campus Center; see detailed program for rooms]</td>
<td></td>
</tr>
<tr>
<td><strong>EVENING</strong></td>
<td><strong>18:00 Welcome Reception Burns Hall, East-West Center</strong></td>
<td><strong>Optional Dinner at a Honolulu restaurant (details tbc)</strong></td>
</tr>
<tr>
<td><strong>14:30 Break</strong></td>
<td><strong>14:30 Break</strong></td>
<td></td>
</tr>
<tr>
<td><strong>16:30 Reconvene for Synthesis, Closure, Pule Pani</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## DETAILED PROGRAM

### DAY ONE: March 9, 2005

**Theme of the Day: “BEYOND DISCIPLINARY CONSTRAINTS”**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Activity</th>
</tr>
</thead>
</table>
| 7:30 – 8:00 | Outside Asia Room, 2nd Floor | Check-in and collection of program materials  
(All participants must have checked into the meeting by 8am)  
*Coffee service available in the Rahman Room.* |
| 8:00– 9:00 | Asia Room | Opening, Pule, Welcome & Introductory remarks  
**Opening:** Nancy Lewis, Director, Research Program, East-West Center  
**Pule:** Kepā Maly  
**Welcome:** Charles Morrison, President, East-West Center  
**Introduction:** Duane Gubler, Director, Asia-Pacific Institute of Tropical Medicine & Infectious Diseases  
Meeting Overview: Themes, structure and organization – Bruce Wilcox, Margot Parkes |
| 9:00 – 10:00 | Asia Room | **Mini-Symposia**  
**Leptospirosis beyond disciplinary constraints: An ecosystem approach to integrated prevention and control.**  
Morning Panel (Chair: Bruce Wilcox)  
9:00 Transdisciplinary nature of Leptospirosis – Joe Vinetz  
9:15 Systems Thinking – Pierre Horwitz  
9:30 Dealing with complexity – Bruce Wilcox  
9:45 Hawaiian Ahupua’a as Social-Ecological Systems – Kepā Maly |
| 10:00 – 10:30 | Rahman Room | Break |
| 10:30 – 12:00 | Asia Room | **Emerging infectious diseases beyond disciplinary constraints: Precedents for integrating social and ecological systems perspectives.**  
13:00 David Waltner-Toews (Chair/Moderator)  
13:15 Nina Etkin  
13:30 Jaime Breihl  
13:45 Jean Lebel  
14:00 Open Discussion  
14:20 Introduction to Working Group structure, process and outputs (Margot Parkes) |
| 12:00 – 13:00 | Imin Dining Room | Lunch Speaker: Prof. Deane Neubauer |
| 13:00 – 14:30 | Asia Room | **Theme of the Day: Plenary and Discussion**  
Emerging infectious diseases beyond disciplinary constraints: Precedents for integrating social and ecological systems perspectives.  
13:00 David Waltner-Toews (Chair/Moderator)  
13:15 Nina Etkin  
13:30 Jaime Breihl  
13:45 Jean Lebel  
14:00 Open Discussion  
14:20 Introduction to Working Group structure, process and outputs (Margot Parkes) |
| 14:30 – 15:00 | Rahman Room | Break |
| 15:00 – 17:30 | Break-out Rooms | **Working Groups**  
1. Leptospirosis [Mandarin Room]  
2. Dengue [Pago Pago Room]  
3. HIV/AIDS [Sejong Room]  
4. Transdisciplinary Approaches [Asia Room]  
5. Information Technology [UH Campus Center 308] |
| 18:00 | | **Welcome Reception: Drinks and Pupus**  
John A. Burns Hall, East-West Center, 1601 East-West Road |
## DETAILED PROGRAM

### DAY TWO: March 10, 2005

**Theme of the Day: “BRIDGES AND BARRIERS TO INTEGRATION AND INNOVATION”**

<table>
<thead>
<tr>
<th>Time [Location]</th>
<th>Event</th>
</tr>
</thead>
</table>
| 7:30 – 8:30     | A tribute to integration of knowledge, culture, health and place.  
[Makana Room, garden level]  
Special Guest and Speaker: Dr. R. Kekuni Blaisdell  
Continental Breakfast (coffee, pastries, fruit) will be provided |
| 8:30 – 9:00     | Outline of Day Two (Margot Parkes, Bruce Wilcox)  
[Asia Room]  
Feedback from Day One and Working Groups |
| 9:00 – 10:00    | **Mini-Symposia**  
[Aisa Room]  
**Overcoming barriers to prevention and control of Dengue Fever (DEN/DHF)**  
Morning Panel (Chair: Duane Gubler)  
9:00 Introduction and Overview – Duane Gubler  
9:15 Cultural Barriers – Emily Zielinski-Gutierrez  
9:30 Technical Barriers – Pattamaporn Kittayapong  
9:45 Policy Barriers – Daniel Wang  
10:00 Economic Barriers – Martin Meltzer |
| 10:30 – 11:00   | Break (Rahman Room) |
| 11:00 – 12:00   | 11:00 Discussants: Sustriayu Nalim, Mary Hayden, Jerry Spiegel, Jonathan Patz (5 minutes each)  
11:30 Open Discussion |
| 12:00 – 13:00   | [Makana Room, garden level]  
Lunch speaker: GP. Patil, Wayne Myers and Steve Rathbun.  
“GeoInformatics of Hotspot Detection and Prioritization for Emerging Infectious Disease Research, Surveillance, and Early Warning”  
and Introduction to parallel workshop on “GIS & Remote Sensing Applications for EID” to be held at UH Campus Center Friday March 11th |
| 13:00 – 14:30   | **Theme of the Day:**  
**Plenary and Discussion:**  
[Aisa Room]  
**Bridges and barriers to integrated research, prevention and control: Addressing the social and ecological context of EIDs.**  
13:00 Bruce Wilcox (Chair/Moderator)  
13:15 Mazrura Sahani  
13:30 Marian McDonald  
13:45 Adrian Sleigh  
14:00 Open Discussion |
| 14:30 – 15:00   | Break (Rahman Room) |
| 15:00 – 17:30   | **Working Groups**  
[Break-out Rooms]  
1. Leptospirosis [Mandarin Room]  
2. Dengue [Pago Pago Room]  
3. HIV/AIDS [Sejong Room]  
4. Transdisciplinary Approaches [Asia Room]  
5. Information Technology [UH Campus Center 310]  
17:00 Working group leaders meet: Progress and planning update. Groups continue. |
| Evening         | Optional Dinner in a Honolulu Restaurant (details tbc) |
# Detailed Program

## Day Three: March 11, 2005

**Theme of the Day:** “Collaborative Priorities for EID Research in the Asia-Pacific”

<table>
<thead>
<tr>
<th>Time [Location]</th>
<th>Coffee service available in the Rahman Room prior to 8:30</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 9:00</td>
<td>Outline of Day Three (M. Parkes, B. Wilcox). Feedback from Day Two and Working Groups. Parallel GIS/Remote Sensing workshop starts 8:30 at UH Campus Center 203E</td>
</tr>
</tbody>
</table>
| 9:00 – 10:15    | **Mini-Symposia** [Asia Room] Integrating Social, Ecological and Biomedical Perspectives in Addressing The HIV/AIDS Epidemic  
**Morning Panel** (Chair: Nancy Lewis)  
9:00 Introduction and Overview – Nancy Lewis  
9:15 Global patterns of HIV emergence: their origins and future directions – Tim Brown  
9:30 Primary & secondary pandemic prevention of HIV as an emergent infection – Ann Marie Kimball  
9:45 Building resilience and mainstreaming HIV into development sectors (agriculture and environment) – Lee Nah Hsu  
10:00 Social-ecological obstacles to HIV prevention & treatment in Brazil – Maj-Lis Follér  
10:15 HIV/AIDS and society: Where is the ecology – Jonathan Mayer |
| 10:30 – 11:00   | **Break (Rahman Room)** |
| 11:00 – 12:00   | 11:00 – 11:20 Discussants: Karen Heckert, Angela Kaida, Margot Parkes (5 minutes each).  
11:15 – 12:00 Open Discussion |
| 12:00 – 12:30   | **Lunch** [Makana Room, garden level] |
| 12:30 – 13:30   | **Public Forum:** "Emerging Infectious Diseases: Challenges and Opportunities for Hawaii and the Region in the 21st Century  
Panel Speakers: Duane Gubler, Nancy Lewis, Bruce Wilcox, Tim Brown, Ann Marie Kimball, Ric Yanagihara, Paul Effler |
| 13:30 – 14:45   | **Collaborative priorities for EID Research in the Asia-Pacific: Advancing understanding and response beyond disciplinary constraints.**  
13:00 Duane Gubler (Chair/Moderator)  
13:15 Josh Rosenthal  
13:30 Larry Burgess  
13:40 Ann Marie Kimball  
14:00 Open Discussion |
| 14:45 – 15:00   | **Break (Rahman Room)** |
| 15:00 – 16:30   | **Working Groups** [Break-out Rooms]  
1. Leptospirosis [Mandarin Room]  
2. Dengue [Pago Pago Room]  
3. HIV/AIDS [Sejong Room]  
4. Transdisciplinary Approaches [Asia Room]  
5. Information Technology [Join parallel workshop at UH Campus Center 203E] |
| 16:30 – 17:30   | Reconvene for Synthesis, Closure |
| 17:30           | Pule Pani, Meeting Close |

---

**Emerging Infectious Disease and Social-Ecological Systems:** Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center, Hawaii Imin International Conference Center, Honolulu, Hawai'i, March 9-11, 2005
In 1989 an initiative was launched with the support of NIH to gain a better understanding of the EID phenomenon and identify the causative factors. The result has been an impressive series of reports published beginning in 1992 and culminating in 2003 which explore the dimensions of the problem and identify causative factors. These span microbial adaptation, human susceptibility and demography, changing climate and ecosystems, war, famine, and institutional complacency. The need to better address the preventative aspect and causative role of social, economic and environmental factors also is recognized. But the 2003 report concludes with recommendations focusing on the need to support and expand programs for new antimicrobials, vaccines, surveillance, public health capacity. There also is a brief statement about the need for unconventional approaches that go beyond simply putting more resources toward doing a better job of “more of the same.” A comprehensive, interdisciplinary research agenda is called for to “investigate the role of genetic, biological, social, economic, political, ecological, and physical environmental factors” along with the creation of ‘Interdisciplinary Infectious Disease Centers’ where scientists and practitioners spanning these disciplines and beyond would work under one roof. This meeting has been conceived in this interdisciplinary spirit with the goal of helping catalyze the expansion of infectious disease research boundaries as recommended. The social-ecological systems (SES) theme has been adopted for the meeting since SES frameworks have proven useful in addressing other complex and globally significant issues.

The meeting will focus on three notable infectious diseases in the Asia-Pacific Region that reasonably cover the range of social and ecological dimensions requiring consideration: dengue fever, HIV/AIDS, and leptospirosis. These diseases are selected because of the complex social and ecological context driving disease emergence and transmission, and also because of concerns regarding the inequalities in disease morbidity and mortality that are experienced by minority populations. Linking social science and ecosystem approaches will enable improved understanding of the systemic social, cultural and ecological interactions underpinning these diseases and facilitate response that is fitting to the local and regional context of vulnerable populations.

Because geographic information systems (GIS) and remote sensing represents one of the most important methodologies for addressing SES dimensions of EIDs in particular, a GIS/Remote Sensing and EIDs Workshop is being held in parallel with the EID SES meetings on Friday March 11, involving a number of the IT Working Group members and other individuals. In addition to the potentially important role of GIS and remote sensing in EID research methodological integration, environmental and bio-sensors, and informatics also deserve attention due to their tremendous potential to contribute to the study of EIDs. An overview of the application of GIS and remote sensing technology to EIDs will be presented to all the SES EID participants during lunch on Thursday.

The participants at this working meeting on EID and SES represent a wide range of experience from those who have worked in academic, community, governmental and non-governmental organization (NGO) settings. The program is designed for the selected participants to develop ongoing capacity to respond to the growing burden of infectious disease and associated health inequalities in the Asia-Pacific region.

Conveners

Dr. Duane J. Gubler (PI), Director, Asia-Pacific Institute of Tropical Medicine and Infectious Diseases (APTMID), John A Burns School of Medicine, University of Hawaii at Manoa. dgubler@hawaii.edu

Dr. Nancy D. Lewis (PI), Director, Research Program, East-West Center. LewisN@EastWestCenter.org

Dr. Bruce A. Wilcox (PI), Director, Asia-Pacific Center for Infectious Disease Ecology, APITMID, John A Burns School of Medicine, University of Hawaii at Manoa, Editor-in-Chief, EcoHealth. bwilcox@hawaii.edu

Dr. Margot W. Parkes (Program Development and Co-ordination) Asia-Pacific Center for Infectious Disease Ecology, John A Burns School of Medicine, University of Hawaii at Manoa, and Managing Editor, EcoHealth. mparkes@hawaii.edu
WORKING GROUPS

All participants of the working meeting are invited to join and contribute to one of the meeting working groups.

<table>
<thead>
<tr>
<th>Working Group</th>
<th>Working Group Leader/Facilitator</th>
<th>Assistant</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Leptospirosis</td>
<td>Bruce Wilcox</td>
<td>Yuko Chiba</td>
</tr>
<tr>
<td>2. Dengue/DHF</td>
<td>Duane Gubler</td>
<td>Mayee Wong</td>
</tr>
<tr>
<td>3. HIV/AIDS</td>
<td>Nancy Lewis</td>
<td>Orlando García-Santiago</td>
</tr>
<tr>
<td>4. Transdisciplinary Approaches</td>
<td>Margot Parkes</td>
<td>Heather McMillen</td>
</tr>
<tr>
<td>5. Information Technology</td>
<td>Barbara Gibson, Ken Kaneshiro</td>
<td>Kristin Duin/Summer Chun</td>
</tr>
</tbody>
</table>

Working groups assignments are provided on the next page.

Each working group will consist of (a) panelists from the relevant mini-symposium (or plenary sessions); (b) other meeting participants who were invited, requested or self-selected to join; and (c) working group assistant from University of Hawaii, who will assist with facilitation and other working group needs. The five working groups will meet during the last session of each day, and their efforts will focus on specific collaborative and publication outputs. These sessions will provide opportunities to discuss working groups’ topic areas in relation to each ‘theme of the day’ as well as the overall conference theme of “Emerging Infectious Disease and Social-Ecological Systems”.

Procedural issues relating to working groups and their outputs will be detailed on Day 1.

MEETING OUTCOMES

Expected outcomes include publications, recommendations for collaborative projects and planning for grant proposals in priority areas of research, prevention, and control of EIDs in the region.

Future Collaborative Initiatives

Recommendations for collaborative projects and planning for grant proposals in priority areas of EID research, prevention and control will be a key focus for meeting discussions and working groups, as well as the focus for Day 3. Key themes will be reported on at the beginning of each day. Foreseeable specific outcome include:

- Future symposia on the related themes to be held in conjunction with pertinent conferences
- Planning groups for ‘Interdisciplinary Infectious Disease Centers’ in the Asia-Pacific region

Publications

A thematic issue in *EcoHealth* ([www.ecohealth.net](http://www.ecohealth.net)) is planned to disseminate outcomes from the meeting. To ensure these publication outputs, the program development team will work closely with the working groups to assign lead authors and writing tasks. Timelines and specific manuscript foci will be identified prior to and developed throughout the meeting. Opportunities for publication in other journals will be examined.

Invited contributions to *EcoHealth* Vol 2, Iss. 4 (Dec 2005) will feature in a Special Section on Emerging Infectious Disease and Social-Ecological Systems, consisting of:

- **Introduction** *(Bruce Wilcox and Rita Colwell)*
- **Meeting Summary** *(Bruce Wilcox, Margot Parkes, Nancy Lewis, Duane Gubler)*
- Five Synthesis Papers *(Authored by each of the five working groups.)*

Details regarding structure, timelines and specifications for the *EcoHealth* Special Issue will be distributed on Day 1.
## WORKING GROUPS AND MEETING OUTCOMES

### Working Group Designation

#### 1. LEPTOSPOROSIS: Facilitator/Leader – Bruce Wilcox, Assistant – Yuko Chiba

<table>
<thead>
<tr>
<th>Facilitator/Leader</th>
<th>Assistant</th>
<th>Email Address</th>
<th>Country/State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bruce Wilcox</td>
<td></td>
<td><a href="mailto:bwilcox@hawaii.edu">bwilcox@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Alonso Aguirre</td>
<td></td>
<td><a href="mailto:aguirre@wildlifetrust.org">aguirre@wildlifetrust.org</a></td>
<td>USA NY</td>
</tr>
<tr>
<td>Peter Daszak</td>
<td></td>
<td><a href="mailto:daszak@conservationmedicine.org">daszak@conservationmedicine.org</a></td>
<td>USA NY</td>
</tr>
<tr>
<td>Pierre Horwitz</td>
<td></td>
<td><a href="mailto:p.horwitz@ecu.edu.au">p.horwitz@ecu.edu.au</a></td>
<td>Australia</td>
</tr>
<tr>
<td>Joseph Vinetz</td>
<td></td>
<td><a href="mailto:jvinetz@ucsd.edu">jvinetz@ucsd.edu</a></td>
<td>USA CA</td>
</tr>
<tr>
<td>George Watt</td>
<td></td>
<td>g <a href="mailto:watt@epi.umaryland.edu">watt@epi.umaryland.edu</a></td>
<td>Thailand</td>
</tr>
<tr>
<td>Healani Chang</td>
<td></td>
<td><a href="mailto:healani@pbrc.hawaii.edu">healani@pbrc.hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Lisa Gollin</td>
<td></td>
<td><a href="mailto:lxgollin@hawaii.edu">lxgollin@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Alan Katz</td>
<td></td>
<td><a href="mailto:katz@hawaii.edu">katz@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Kepā Maly</td>
<td></td>
<td><a href="mailto:kumupono@hawaii.rr.com">kumupono@hawaii.rr.com</a></td>
<td>USA HI</td>
</tr>
</tbody>
</table>

#### 2. DENGUE FEVER: Facilitator/Leader – Duane Gubler, Assistant – Mayee Wong

<table>
<thead>
<tr>
<th>Facilitator/Leader</th>
<th>Assistant</th>
<th>Email Address</th>
<th>Country/State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shannon Bennett</td>
<td></td>
<td><a href="mailto:sbennett@hawaii.edu">sbennett@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Duane Gubler</td>
<td></td>
<td><a href="mailto:dgubler@hawaii.edu">dgubler@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Mary Hayden</td>
<td></td>
<td><a href="mailto:mhayden@uccs.edu">mhayden@uccs.edu</a></td>
<td>USA CO</td>
</tr>
<tr>
<td>Pattamaporn Kittayapong</td>
<td></td>
<td><a href="mailto:grpkt@mucc.mahidol.ac.th">grpkt@mucc.mahidol.ac.th</a></td>
<td>Thailand</td>
</tr>
<tr>
<td>Martin Meltzer</td>
<td></td>
<td><a href="mailto:qzm4@cdc.gov">qzm4@cdc.gov</a></td>
<td>USA GA</td>
</tr>
<tr>
<td>Sustriayu Nalim</td>
<td></td>
<td><a href="mailto:sustriayu@telkom.net">sustriayu@telkom.net</a></td>
<td>Indonesia</td>
</tr>
<tr>
<td>Daniel Wang</td>
<td></td>
<td><a href="mailto:wang_nan_chee@nea.gov.sg">wang_nan_chee@nea.gov.sg</a></td>
<td>Singapore</td>
</tr>
<tr>
<td>Emily Zielinski-Gutierrez</td>
<td></td>
<td><a href="mailto:ebz0@cdc.gov">ebz0@cdc.gov</a></td>
<td>USA CO</td>
</tr>
<tr>
<td>Eileen Shea</td>
<td></td>
<td><a href="mailto:sheae@eastwestcenter.org">sheae@eastwestcenter.org</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Jerry Spiegel</td>
<td></td>
<td><a href="mailto:Jerry.Spiegel@ubc.ca">Jerry.Spiegel@ubc.ca</a></td>
<td>Canada BC</td>
</tr>
</tbody>
</table>

#### 3. HIV/AIDS: Facilitator/Leader – Nancy Lewis, Assistant – Orlando Garcia-Santiago

<table>
<thead>
<tr>
<th>Facilitator/Leader</th>
<th>Assistant</th>
<th>Email Address</th>
<th>Country/State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Lewis</td>
<td></td>
<td><a href="mailto:LewisN@EastWestCenter.org">LewisN@EastWestCenter.org</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Tim Brown</td>
<td></td>
<td><a href="mailto:tim@hawaii.edu">tim@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Maj-Lis Follér</td>
<td></td>
<td><a href="mailto:majlis.foller@ibero.gu.se">majlis.foller@ibero.gu.se</a></td>
<td>Sweden</td>
</tr>
<tr>
<td>Lee-Nah Hsu</td>
<td></td>
<td><a href="mailto:zeehsu@hotmail.com">zeehsu@hotmail.com</a></td>
<td>Thailand/USA</td>
</tr>
<tr>
<td>Angela Kaida</td>
<td></td>
<td><a href="mailto:angelakaida@hotmail.com">angelakaida@hotmail.com</a></td>
<td>India</td>
</tr>
<tr>
<td>Ann Marie Kimball</td>
<td></td>
<td><a href="mailto:akimball@u.washington.edu">akimball@u.washington.edu</a></td>
<td>USA WA</td>
</tr>
<tr>
<td>Jonathan Mayer</td>
<td></td>
<td><a href="mailto:jmayer@u.washington.edu">jmayer@u.washington.edu</a></td>
<td>USA WA</td>
</tr>
<tr>
<td>Pollie Bith</td>
<td></td>
<td><a href="mailto:pollie@hawaii.edu">pollie@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Karen Heckert</td>
<td></td>
<td><a href="mailto:karenheckert@hotmail.com">karenheckert@hotmail.com</a></td>
<td>USA VA</td>
</tr>
<tr>
<td>Richard Yanagihara</td>
<td></td>
<td><a href="mailto:yanagihara@pbrc.hawaii.edu">yanagihara@pbrc.hawaii.edu</a></td>
<td>USA HI</td>
</tr>
</tbody>
</table>

#### 4. TRANSDISCIPLINARY APPROACHES: Facilitator/Leader – Margot Parkes, Assistant – Heather McMillen

<table>
<thead>
<tr>
<th>Facilitator/Leader</th>
<th>Assistant</th>
<th>Email Address</th>
<th>Country/State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jaime Breilh</td>
<td></td>
<td><a href="mailto:jbreilh@ceas.med.ec">jbreilh@ceas.med.ec</a></td>
<td>Ecuador</td>
</tr>
<tr>
<td>Nina Etkin</td>
<td></td>
<td><a href="mailto:etkin@hawaii.edu">etkin@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>John Kobayashi</td>
<td></td>
<td><a href="mailto:johnk@u.washington.edu">johnk@u.washington.edu</a></td>
<td>Japan/USA WA</td>
</tr>
<tr>
<td>Jean Lebel</td>
<td></td>
<td><a href="mailto:jlebel@idrc.ca">jlebel@idrc.ca</a></td>
<td>Canada ON</td>
</tr>
<tr>
<td>Marian McDonald</td>
<td></td>
<td><a href="mailto:mmmcdonald@cdc.gov">mmmcdonald@cdc.gov</a></td>
<td>USA GA</td>
</tr>
<tr>
<td>Margot Parkes</td>
<td></td>
<td><a href="mailto:mparkes@hawaii.edu">mparkes@hawaii.edu</a></td>
<td>USA HI</td>
</tr>
<tr>
<td>Mazrura Sahani</td>
<td></td>
<td><a href="mailto:mazrura@imr.gov.my">mazrura@imr.gov.my</a></td>
<td>Malaysia</td>
</tr>
<tr>
<td>Jonathan Patz</td>
<td></td>
<td><a href="mailto:patz@wisc.edu">patz@wisc.edu</a></td>
<td>USA MD</td>
</tr>
<tr>
<td>David Waltner-Toews</td>
<td></td>
<td><a href="mailto:dwaltner@ovc.uoguelph.ca">dwaltner@ovc.uoguelph.ca</a></td>
<td>Canada ON</td>
</tr>
<tr>
<td>Annalee Yassi</td>
<td></td>
<td><a href="mailto:AnnaleeY@aol.com">AnnaleeY@aol.com</a></td>
<td>Canada BC</td>
</tr>
</tbody>
</table>

Emerging Infectious Disease and Social-Ecological Systems:
Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region
Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center,
Hawaii Imi International Conference Center, Honolulu, Hawai‘i, March 9-11, 2005
### WORKING GROUPS AND MEETING OUTCOMES

**5. INFORMATION TECHNOLOGY:** Facilitator/Leader – Barbara Gibson/Ken Kaneshiro, Assistant – Kristin Duin

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Country</th>
<th>Professional Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Bates</td>
<td><a href="mailto:bates@tatrc.org">bates@tatrc.org</a></td>
<td>USA</td>
<td></td>
</tr>
<tr>
<td>Larry Burgess</td>
<td><a href="mailto:lburgess@hawaii.rr.com">lburgess@hawaii.rr.com</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Jefferson Fox</td>
<td><a href="mailto:foxj@eastwestcenter.org">foxj@eastwestcenter.org</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Kristin Duin</td>
<td><a href="mailto:duin@hawaii.edu">duin@hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Barbara Gibson</td>
<td><a href="mailto:bgibson@hawaii.edu">bgibson@hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Andy Hood</td>
<td><a href="mailto:aphood@midpac.net">aphood@midpac.net</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Ken Kaneshiro</td>
<td><a href="mailto:kykanesh@hawaii.edu">kykanesh@hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Michael Kido</td>
<td><a href="mailto:mkido@hawaii.edu">mkido@hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Greg Mogel</td>
<td><a href="mailto:greg@xrad2.com">greg@xrad2.com</a></td>
<td>USA</td>
<td>CA</td>
</tr>
<tr>
<td>Wayne Myers</td>
<td><a href="mailto:wlm@psu.edu">wlm@psu.edu</a></td>
<td>USA</td>
<td>PA</td>
</tr>
<tr>
<td>Mary Parker</td>
<td><a href="mailto:parker@tatrc.org">parker@tatrc.org</a></td>
<td>USA</td>
<td>MD</td>
</tr>
<tr>
<td>Ganapati Patil</td>
<td><a href="mailto:gpp@stat.psu.edu">gpp@stat.psu.edu</a></td>
<td>USA</td>
<td>PA</td>
</tr>
<tr>
<td>Stephen Rathbun</td>
<td><a href="mailto:rathbun@stat.psu.edu">rathbun@stat.psu.edu</a></td>
<td>USA</td>
<td>PA</td>
</tr>
<tr>
<td>Steve Seifried</td>
<td><a href="mailto:seifried@hawaii.edu">seifried@hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
</tbody>
</table>

**6. NOT ASSIGNED**

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Country</th>
<th>Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carolyn Annerud</td>
<td><a href="mailto:annerud@daltron.com.pg">annerud@daltron.com.pg</a></td>
<td>Papua New Guinea/USA</td>
<td>HI</td>
</tr>
<tr>
<td>Leslie Bienen</td>
<td><a href="mailto:lbienen@earthlink.net">lbienen@earthlink.net</a></td>
<td>USA</td>
<td>MT</td>
</tr>
<tr>
<td>Paul Effler</td>
<td><a href="mailto:pveffler@mail.health.state.hi.us">pveffler@mail.health.state.hi.us</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Allison Imrie</td>
<td><a href="mailto:imrie@pbrc.hawaii.edu">imrie@pbrc.hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Deane Neubauer</td>
<td><a href="mailto:deanen@hawaii.edu">deanen@hawaii.edu</a></td>
<td>USA</td>
<td>HI</td>
</tr>
<tr>
<td>Mark Oberle</td>
<td><a href="mailto:moberle@u.washington.edu">moberle@u.washington.edu</a></td>
<td>USA</td>
<td>WA</td>
</tr>
<tr>
<td>Joshua Rosenthal</td>
<td><a href="mailto:rosenthl@ficod.fic.nih.gov">rosenthl@ficod.fic.nih.gov</a></td>
<td>USA</td>
<td>MD</td>
</tr>
<tr>
<td>Adrian Sleigh</td>
<td><a href="mailto:Adrian.Sleigh@anu.edu.au">Adrian.Sleigh@anu.edu.au</a></td>
<td>Australia</td>
<td></td>
</tr>
<tr>
<td>Alan Tice</td>
<td><a href="mailto:alantice@idlinks.com">alantice@idlinks.com</a></td>
<td>USA</td>
<td>HI</td>
</tr>
</tbody>
</table>

**7. ASSISTANTS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Country</th>
<th>Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yuko Chiba</td>
<td><a href="mailto:isejhrnl@hawaii.edu">isejhrnl@hawaii.edu</a></td>
<td>USA</td>
<td>Leptospirosis</td>
</tr>
<tr>
<td>Summer Chun</td>
<td><a href="mailto:summerc@hawaii.edu">summerc@hawaii.edu</a></td>
<td>USA</td>
<td>Information Technology</td>
</tr>
<tr>
<td>Kristin Duin</td>
<td><a href="mailto:duin@hawaii.edu">duin@hawaii.edu</a></td>
<td>USA</td>
<td>Information Technology</td>
</tr>
<tr>
<td>Orlando Garcia-Santiago</td>
<td><a href="mailto:Jude430@aol.com">Jude430@aol.com</a></td>
<td>USA</td>
<td>HIV-AIDS</td>
</tr>
<tr>
<td>Heather McMullen</td>
<td><a href="mailto:hmcmillie@hawaii.edu">hmcmillie@hawaii.edu</a></td>
<td>USA</td>
<td>Transdisciplinary Approaches</td>
</tr>
<tr>
<td>Mayee Wong</td>
<td><a href="mailto:mayee@hawaii.edu">mayee@hawaii.edu</a></td>
<td>USA</td>
<td>Dengue Fever</td>
</tr>
</tbody>
</table>

---

**Emerging Infectious Disease and Social-Ecological Systems:**

Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center, Hawaii Imin International Conference Center, Honolulu, Hawai’i, March 9-11, 2005
PARTICIPANT CONTACTS

A. Alonso Aguirre
Director for Conservation Medicine
Wildlife Trust
61 Route 9W
Palisades, NY 10964
USA
Email: aguirre@wildlifetrust.org
Phone: 845-365-8334
Fax: 845-365-8177

Carolyn Annerud
Senior Lecturer Emergency Medicine
University of Papua New Guinea
P.O. Box 4445, Boroko, NCD
Papua New Guinea
Email: annerud@daltron.com.pg
Phone: 675-323-5927
Fax: 675-323-5390

James Bates
Senior Science Advisor
Telemedicine & Advanced Technology Research Center (TATRC)
MCMR-ZB-t
504 Scotts Street
Fort Detrick, MD 21702
USA
Email: bates@tatrc.org
Phone: 301-619-0341
Fax: 301-619-7041

Shannon Bennett
Associate Professor
John A. Burns School of Medicine
Dept of Tropical Medicine and Medical Microbiology
University of Hawaii
Leahi Hospital, 3675 Kilauea Avenue
Honolulu, HI 96816
USA
Email: sbennett@hawaii.edu
Phone: 808-732-1477
Fax: 808-732-1483

Leslie Bienen
Contract Wildlife Veterinarian and Consultant
811 Highland Park Drive
Missoula, MT 59803
USA
Email: LBienen@earthlink.net
Phone: 406-721-7511
Fax: 406-721-7511

Pollie Bith-Melander
Co-ordinator
Pacific Center for Emerging Infectious Diseases Research
John A. Burns School of Medicine
University of Hawaii
1960 East-West Road T201
Honolulu, HI 96822
USA
Email: pollie@hawaii.edu
Phone: 808-956-0918
Fax: 808-956-0997

Richard Kekuni Blaisdell
Professor Emeritus, Medicine
Department of Native Hawaiian Health
John A Burns School of Medicine
University of Hawaii
677 Ala Moana Boulevard, Suite 1016B
Honolulu, HI 96813
USA
Email: Kauahi@hawaii.rr.com
Phone: 808-956-0918
Fax:

Jaime Breilh
Executive Director, Centro de Estudios y Asesoria en Salud (Health Research & Advisory Center)
Asturias N2402, La Floresta
Quito
Ecuador
Email: jbreilh@ceas.med.ec
Phone: 593-2-250-6175
Fax: 593-2-256-6714
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department/Institution</th>
<th>Address</th>
<th>City, State, ZIP</th>
<th>Email</th>
<th>Phone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tim Brown</strong></td>
<td>Senior Fellow</td>
<td>Research Program</td>
<td>East-West Center</td>
<td>Honolulu, HI  96848</td>
<td><a href="mailto:tim@hawaii.edu">tim@hawaii.edu</a></td>
<td>808-944-7476</td>
<td>808-944-7490</td>
</tr>
<tr>
<td><strong>Lawrence Burgess</strong></td>
<td>Professor of Surgery</td>
<td>John A Burns School of Medicine</td>
<td>Office of Telemedicine and Simulation Center</td>
<td>Honolulu, HI  96813</td>
<td><a href="mailto:lburgess@hawaii.rr.com">lburgess@hawaii.rr.com</a></td>
<td>808-528-2938</td>
<td>808-521-8646</td>
</tr>
<tr>
<td><strong>Healani Chang</strong></td>
<td>Associate Professor and Director</td>
<td>Haumana Biomedical Program</td>
<td>Pacific Biosciences Research Center</td>
<td>Honolulu, HI  96822</td>
<td><a href="mailto:healani@pbrc.hawaii.edu">healani@pbrc.hawaii.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Yuko Chiba</strong></td>
<td>Intern, Ecology and Health Group</td>
<td>Dept of Tropical Medicine and Medical Microbiology</td>
<td>John A Burns School of Medicine</td>
<td>Honolulu, HI  96816</td>
<td><a href="mailto:isehjrnl@hawaii.edu">isehjrnl@hawaii.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summer Chun</strong></td>
<td>Ecology and Health Group</td>
<td>Dept of Tropical Medicine and Medical Microbiology</td>
<td>John A Burns School of Medicine</td>
<td>Honolulu, HI  96816</td>
<td><a href="mailto:summerrc@hawaii.edu">summerrc@hawaii.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Peter Daszak</strong></td>
<td>Executive Director</td>
<td>Consortium for Conservation Medicine</td>
<td>Wildlife Trust</td>
<td>Palisades, NY 10964</td>
<td><a href="mailto:daszak@conservationmedicine.org">daszak@conservationmedicine.org</a></td>
<td>845-365-8469</td>
<td>845-365-3487</td>
</tr>
<tr>
<td><strong>Arwind Diwan</strong></td>
<td>Professor</td>
<td>Dept of Tropical Medicine and Medical Microbiology</td>
<td>John A. Burns School of Medicine</td>
<td>Honolulu, HI  96816</td>
<td><a href="mailto:arwind@hawaii.edu">arwind@hawaii.edu</a></td>
<td>808-732-1477</td>
<td>808-732-1483</td>
</tr>
<tr>
<td><strong>Kristin Duin</strong></td>
<td>Researcher</td>
<td>Center for Conservation Research and Training</td>
<td>University of Hawaii</td>
<td>Honolulu, HI  96822</td>
<td><a href="mailto:duin@hawaii.edu">duin@hawaii.edu</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PARTICIPANT CONTACTS

Paul Effler
State Epidemiologist
Hawaii State Department of Health
1250 Punchbowl Street, Room 444
Honolulu, HI 96813
USA
Email: pveffler@mail.health.state.hi.us
Phone:
Fax: 808-586-8347

Nina L. Etkin
Professor & Graduate Chair
Department of Anthropology
University of Hawaii
Saunders Hall, Room 346
2424 Maile Way
Honolulu, HI 96822
USA
Email: etkin@hawaii.edu
Phone: 808-956-7726
Fax: 808-956-4893

Maj-Lis Follér
Director, Institute of Iberoamerican Studies
Göteborg University
Box 200
SE 405 30 Göteborg
Sweden
Email: majlis.Foller@ibero.gu.se
Phone: 46-31-773-1796
Fax: 46-31-773-1804

Jefferson Fox
Senior Fellow
Research Program
East-West Center
1601 East-West Road
Honolulu, HI 96848-1601
USA
Email: foxj@eastwestcenter.org
Phone: 808-944-7248
Fax: 808-944-7298

Roger Fujioka
Researcher
Water Resources Research Center
University of Hawaii
2540 Dole Street
Holmes Hall, Room 280
Honolulu, HI 96822
USA
Email: roger@hawaii.edu
Phone: 808-956-3096
Fax: 808-956-5044

Orlando Garcia-Santiago
PhD Candidate
Department of Sociology
University of Hawaii
2424 Maile Way
Honolulu, HI 96822
USA
Email: Jude430@aol.com
Phone:
Fax:

Barbara Gibson
Director, Hawaii Natural Heritage Program
Center for Conservation Research and Training
677 Ala Moana Blvd, Suite 705
Honolulu, HI 96813
USA
Email: bgibson@hawaii.edu
Phone: 808-587-8600
Fax: 808-587-8599

Lisa Gollin
Researcher, Ecology and Health Group
Asia-Pacific Center for Infectious Disease Ecology
Asia-Pacific Institute of Trop Medicine & Infectious Diseases
John A Burns School of Medicine
University of Hawai‘i
Leahi Hospital, 3675 Kilauea Avenue
Honolulu, HI 96816
USA
Email: lxgollin@hawaii.edu
Phone: 808-732-1477
Fax: 808-732-1483

Emerging Infectious Disease and Social-Ecological Systems:
Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region
Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center,
Hawaii Imin International Conference Center, Honolulu, Hawai‘i, March 9-11, 2005
Duane Gubler  
Director, Asia-Pacific Institute of Tropical Medicine and Infectious Diseases  
John A. Burns School of Medicine  
University of Hawaii  
Leahi Hospital, 3675 Kilauea Avenue  
Honolulu, HI 96816  
USA  
Email: dgubler@hawaii.edu  
Phone: 808-732-1477  
Fax: 808-732-1483

Mary Hayden  
Senior Research Associate  
Trauma Studies and Resource Center  
University of Colorado at Colorado Springs  
1420 Austin Bluffs Parkway  
P.O. Box 7150  
Colorado Springs, CO 80933-7150  
USA  
Email: mhayden@uccs.edu  
Phone: 719-262-3843  
Fax: 719-262-3879

Karen Heckert  
Senior Advisor for Family Planning, MCH and PMTCT Integration  
USAID Regional HIV/AIDS Program in Southern Africa  
DOS/USAID  
9300 Pretoria Place  
Washington, D.C. 20521-9300  
USA  
Email: karenaheckert@hotmail.com  
Phone: 27-12-452-2216  
Fax: 27-12-452-2399

Andy Hood  
Researcher  
Center for Conservation Research and Training  
University of Hawaii  
3050 Maile Way, Gilmore 406  
Honolulu, HI 96822  
USA  
Email: aphood@midpac.net

Pierre Horwitz  
Associate Professor  
Consortium for Health and Ecology  
Edith Cowan University  
Science and Health Building  
100 Joondalup Drive  
Joondalup, 6027  
Western Australia  
Email: p.horwitz@ecu.edu.au  
Phone: 61-8-6304-5558  
Fax: 61-8-6304-5509

Lee-Nah Hsu  
Manager  
Building Regional HIV Resilience (South East Asia)  
UNDP South East Asia HIV & Development Programme  
United Nations Building, i Rajadamnern Nok Avenue  
Bangkok 10200  
Thailand  
Email: zeehsu@hotmail.com  
Phone: 662-288-2205  
Fax: 662-280-1852

Allison Imrie  
Assistant Professor  
John A. Burns School of Medicine  
Public Health Sciences & Epidemiology  
University of Hawaii  
1960 East-West Road, A-204  
Honolulu, HI 96822  
USA  
Email: imrie@pbrc.hawaii.edu  
Phone: 808-956-5522  
Fax: 808-956-6984

Angela Kaida  
Representative  
South Asian Regional Office  
International Development Research Centre  
208 Jor Bogh  
New Delhi, AB110 003  
India  
Email: angelakaida@hotmail.com  
Phone: 991-11-24619411

Emerging Infectious Disease and Social-Ecological Systems:  
Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region  
Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center,  
Hawaii Imin International Conference Center, Honolulu, Hawai‘i, March 9-11, 2005
PARTICIPANT CONTACTS

Kenneth Kaneshiro  
Director, Center for Conservation Research and Training  
Pacific Biosciences Research Center  
University of Hawaii  
3050 Maile Way, Gilmore 402  
Honolulu, HI 96822  
USA  
Email: kykanesh@hawaii.edu  
Phone: 808-956-6739  
Fax: 808-956-2647

Alan Katz  
Associate Professor  
John A. Burns School of Medicine  
Public Health Science and Epidemiology  
University of Hawaii  
1960 East-West Road, D-104M  
Honolulu, HI 96822  
USA  
Email: katz@hawaii.edu  
Phone: 808-956-5741  
Fax: 808-956-2388

Michael Kido  
Director, Hawaii Stream Research Center  
Center for Conservation Research and Training  
Pacific Biosciences Research Center  
University of Hawaii  
1993 East-West Road, Snyder 412  
Honolulu, HI 96822  
USA  
Email: mkido@hawaii.edu  
Phone: 808-956-4907  
Fax: 808-956-9608

Ann Marie Kimball  
Director, APEC Emerging Infections Network  
School of Public Health and Community Medicine  
University of Washington  
1107 NE 45th, Suite 400, Box 35-4809  
Seattle, WA 98105  
USA  
Email: akimball@u.washington.edu  
Phone: 202-616-2949  
Fax: 202-616-9415

Pattamaporn Kittayapong  
Associate Professor  
Center for Vectors and Vector-Borne Diseases  
Faculty of Science  
Mahidol University  
Rama 6 Road  
Bangkok, 10400  
Thailand  
Email: grpkt@mahidol.ac.th  
Phone: 66-2-201-5935  
Fax: 66-2-201-5923

John Kobayashi  
Clinical Faculty  
School of Public Health  
Northwest Center for Public Health Practice  
National Institute of Infectious Diseases / University of Washington  
1107 NE45th Street, Suite 400, Box 35-4809,  
Seattle, WA 98105  
USA  
Email: johnk@u.washington.edu  
Phone: 206-616-9567  
Fax: 206-616-9415

Conor Kretsch  
Conference on Health and Biodiversity (COHAB)  
Director  
Corporate House  
Ballybrit Business Park  
Galway City  
Ireland  
Email: conor@mooregroup.ie  
Phone: 353-91-765640  
Fax: 353-91-765641

Jean Lebel  
Director  
Environment & Natural Resource Mgt Program Area  
International Development Research Centre  
P.O. Box 8500  
250 Albert Street  
Ottawa, ON K1G 3H9  
Canada  
Email: jlebel@idrc.ca  
Phone: 613-236-6163, x2539  
Fax: 613-567-7749

Emerging Infectious Disease and Social-Ecological Systems:  
Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region  
Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center,  
Hawaii Imin International Conference Center, Honolulu, Hawai'i, March 9-11, 2005
PARTICIPANT CONTACTS

Nancy Lewis  
Director  
Research Program  
East-West Center  
1601 East-West Road  
Honolulu, HI 96848  
USA  
Email: LewisN@EastWestCenter.org  
Phone: 808-944-7245  
Fax: 808-944-7399

Kepā Maly  
Cultural Historian and Resource Specialist  
Kumu Pono Associates  
554 Keonaona Street  
Hilo, HI 96720  
USA  
Email: kumupono@hawaii.rr.com  
Phone: 808-981-0196  
Fax: 808-981-0196

Jonathan Mayer  
Professor  
Department of Geography  
University of Washington, 412-C Smith Hall  
Box 353550  
Seattle, WA 98195-3550  
USA  
Email: jmayer@u.washington.edu  
Phone: 206-543-7110  
Fax: 206-543-3313

Marian McDonald  
Associate Director, Minority and Women's Health  
National Center for Infectious Diseases  
Centers for Disease Control and Prevention  
1600 Clifton Road, NE  
Mailstop D-62  
Atlanta, GA 30333  
USA  
Email: mmcdonald@cdc.gov  
Phone: 404-371-5312  
Fax: 404-371-5487

Heather McMillen  
Graduate Assistant  
Ecology and Health Group  
Dept of Tropical Medicine and Medical Microbiology  
John A Burns School of Medicine  
University of Hawai‘i  
Leahi Hospital, 3675 Kiliauea Avenue  
Honolulu, HI 96816  
USA  
Email: hmcmille@hawaii.edu  
Phone: 808-732-1477  
Fax: 808-732-1483

Martin Meltzer  
Senior Health Economist and Distinguished Consultant  
Centers for Disease Control and Prevention  
CDC/NCID/OS/OS  
1600 Clifton Road, NE  
Mailstop D-59  
Atlanta, GA 30333  
USA  
Email: qzm4@cdc.gov  
Phone: 404-371-5353  
Fax: 404-371-5445

Greg Mogel  
Director, TATRC-West  
Telemedicine & Advanced Technology Research Center  
4645 Admirality Way, Suite 1030  
Marina Del Rey, CA 90392  
USA  
Email: mogul@tatrc.org  
Phone: 310-574-8402  
Fax: 310-574-8405

Wayne Myers  
Professor, Forest Biometrics  
School of Forest Resources  
Pennsylvania State University  
124 Land and Water Research Building  
University Park, PA 16802  
USA  
Email: wlm@psu.edu  
Phone: 814-863-0002  
Fax: 814-865-3378
## PARTICIPANT CONTACTS

### Sustriayu Nalim
**Researcher**  
Vector and Reservoir Control Research Unit  
National Institute of Health Research and Development  
Jl Hasanudin 123, P.O. Box 200  
Salatiga, Central Java  
Indonesia  
Email: sustriayu@telkom.net  
Phone: 62-298-322-604

### Deane Neubauer
**Professor**  
Department of Political Science  
University of Hawaii  
1859 East-West Road, TP 1, #114  
Honolulu, HI 96822  
USA  
Email: deanen@hawaii.edu  
Phone: 808-956-8092  
Fax: 808-956-6877

### Mark Oberle
**Associate Dean for Public Health Practice**  
School of Public Health and Community Medicine  
University of Washington  
Box 357230  
Seattle, WA 98195-7230  
USA  
Email: moberle@uw.edu  
Phone: 206-616-9394  
Fax: 206-543-3813

### Mary Parker
**LTC(P), Senior Clinical Advisor**  
USAMRC-TATRC  
Telemedicine & Advanced Technology Research Center (TATRC)  
MCMR-ZB-T, Patchel Street Building 1054  
Ft. Detrick, MD 21702  
USA  
Email: parker@tatrc.org  
Phone: 301-619-4057  
Fax: 301-619-7968

### Margot Parkes
**Managing Editor, EcoHealth**  
Asia-Pacific Center for Infectious Disease Ecology  
Asia-Pacific Inst. of Trop Medicine & Infectious Diseases  
John A Burns School of Medicine  
University of Hawaii  
Leahi Hospital, 3675 Kilauea Avenue  
Honolulu, HI 96816  
USA  
Email: mparke$hawaii.edu  
Phone: 808-732-1477  
Fax: 808-732-1483

### Ganapati Patil
**Director, Ctr for Statistical Ecology & Env. Statistics**  
Dept of Statistics  
Pennsylvania State University  
421 Thomas Building  
University Park, PA 16802  
USA  
Email: gpp@stat.psu.edu  
Phone: 814-865-9442  
Fax: 814-865-1278

### Jonathan Patz
**Director, Global Environmental Health**  
Nelson Institute for Environmental Studies  
Ctr for Sustainability & the Global Environment (SAGE)  
University of Wisconsin, Madison  
1710 University Avenue  
Madison, WI 53726  
USA  
Email: patz@wisc.edu  
Phone: 608-262-4775  
Fax: 608-265-4113

### Stephen Rathbun
**Associate Professor**  
Dept of Statistics  
Pennsylvania State University  
326 Thomas Building  
University Park, PA 16802  
USA  
Email: rathburn@stat.psu.edu  
Phone: 814-863-7395  
Fax: 814-863-7114

---

*Emerging Infectious Disease and Social-Ecological Systems:*

Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region  
*Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center, Hawaii Imin International Conference Center, Honolulu, Hawai‘i, March 9-11, 2005*
Emerging Infectious Disease and Social-Ecological Systems:
Integrating social science methods and ecosystem approaches to improve infectious diseases research in the Asia-Pacific Region
Working Meeting, Co-hosted by Asia-Pacific Institute of Tropical Medicine and Infectious Diseases and East-West Center,
Hawaii Imin International Conference Center, Honolulu, Hawai‘i, March 9-11, 2005
### PARTICIPANT CONTACTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Company/Institution</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>David Waltner-Toews</strong></td>
<td>Professor, Department of Population Medicine, Ontario Veterinary College</td>
<td>Ontario, Canada</td>
<td>519-824-4120 x54745</td>
<td><a href="mailto:dwaltner@uoguelph.ca">dwaltner@uoguelph.ca</a></td>
<td></td>
</tr>
<tr>
<td><strong>Daniel Nan Chee Wang</strong></td>
<td>Consultant</td>
<td>Singapore, National Environment Agency</td>
<td>65-6731-9924</td>
<td><a href="mailto:wang_nan_chee@nea.gov.sg">wang_nan_chee@nea.gov.sg</a></td>
<td></td>
</tr>
<tr>
<td><strong>George Watt</strong></td>
<td>Associate Professor, Faculty of Tropical Medicine, Mahidol University</td>
<td>Bangkok, Thailand</td>
<td>662-354-1754</td>
<td><a href="mailto:gwatth@yahoo.com">gwatth@yahoo.com</a></td>
<td></td>
</tr>
<tr>
<td><strong>Bruce Wilcox</strong></td>
<td>Director, Asia-Pacific Center for Infectious Disease Ecology</td>
<td>Honolulu, Hawaii</td>
<td>808-732-1477</td>
<td><a href="mailto:bwilcox@hawaii.edu">bwilcox@hawaii.edu</a></td>
<td></td>
</tr>
<tr>
<td><strong>Mayee Wong</strong></td>
<td>Dept of Tropical Medicine and Medical Microbiology, John A Burns School of Medicine</td>
<td>Honolulu, Hawaii</td>
<td>808-956-6980</td>
<td><a href="mailto:mayee@hawaii.edu">mayee@hawaii.edu</a></td>
<td></td>
</tr>
<tr>
<td><strong>Richard Yanagihara</strong></td>
<td>Director, Pacific Center for Emerging Infectious Diseases</td>
<td>Honolulu, Hawaii</td>
<td>808-956-4768</td>
<td><a href="mailto:yanagiha@pbrc.hawaii.edu">yanagiha@pbrc.hawaii.edu</a></td>
<td></td>
</tr>
<tr>
<td><strong>Emily Zielinski-Gutiérrez</strong></td>
<td>Behavioral Scientist, Centers for Disease Control and Prevention Division of Vector-Born Infectious Diseases</td>
<td>Fort Collins, CO</td>
<td>970-221-6477</td>
<td><a href="mailto:ebz0@cdc.gov">ebz0@cdc.gov</a></td>
<td></td>
</tr>
<tr>
<td><strong>Annalee Yassi</strong></td>
<td>Professor, Institute of Health Promotion Research, Department of Health Care and Epidemiology</td>
<td>Vancouver, Canada</td>
<td>604-822-6962</td>
<td><a href="mailto:AnaleeY@aol.com">AnaleeY@aol.com</a></td>
<td></td>
</tr>
</tbody>
</table>