



โครงการสัมมนา one health สำหรับอาจารย์คณะสัตวแพทยศาสตร์

วันจันทร์ที่ 22 มีนาคม 2556

ณ ห้องประชุม 1 ชั้น 5 อาคารพิเชฏฐ์ฯ คณะสัตวแพทยศาสตร์

## CURRICULUM VITA –Bruce Wilcox

### Present position

Research Manager, Global Health Group, Intn't (Thailand); Adj. Professor Cummings School of Veterinary Medicine, Tufts University; and, Adjunct Professor, Faculty of Public Health, Mahidol University (Thailand)

**Address:** Faculty of Public Health, Mahidol University, 420/1 Rajvithi Rd., Ratchatwee, Bangkok, Thailand 10400

### Education

Ph.D.University of California, San Diego (Population Biology)1980

M.S. Yale University (Ecology and Evolutionary Biology)1975

B.A.University of California, San Diego (Biology)1973

### Previous positions

2001 – 2011 Professor of Ecology and Health, John A. Burns School of Medicine, University of Hawai'i at Manoa (with appointments in Departments of Tropical Medicine and Public Health)

1989 – 2001 President & Managing Director, Sustainable Resources Group. Inc, Thoreau Center, The Presidio of San Francisco, CA and Honolulu, HI

1986 – 1988 Consulting Associate Professor of Human Biology, Stanford University

1984 – 1988 Executive Director, Center for Conservation Biology, Stanford University

1982 – 1988 Research Associate & Senior Research Associate, Department of Biological Sciences, Stanford University

1980 – 1981 Postdoctoral Research Fellow, Department of Biological Sciences, Stanford University

### Recent research grants

6/1/2009 - 5/31/2012 *Coupled Human-Natural Systems and Emerging Infectious Diseases: Modeling the Emergence of Avian Influenza in Vietnam*. National Science Foundation. Co-Principal Investigator. \$1,398,380.

8/1/2006 - 7/31/2010 *UH NSF IGERT: Integrating Ecology, Conservation, and Pathogen Biology*. National Science Foundation: Integrative Graduate Education and Research Traineeship Program. Principal Investigator. \$ 3,099,638.

10/01/03 - 12/31/08 *Microbial Pathogens Component*. NIEHS/NSF Center for Oceans and Human Health. Co-Investigator. \$1,210,990.

### Scholarly organization and editorial experience (career)

2010 – present Founding Editor-in-Chief, *EcoHealth* (Springer, LLC)

2002 – 2010 Editor-in-Chief, *EcoHealth* (Springer, LLC)

2007 – 2010 Board of Directors, International Association for Ecology and Health  
2006 – 2007 President (founding) and Charter Board of Directors, International Association for Ecology and Health  
1984 – 1987 Associate Editor (one of 3 founding editors), Conservation Biology (Blackwell)  
1984 – 1987 Charter Board of Trustees, Society for Conservation Biology

### Relevant expert consultancy and advisory positions

Technical Assistance on the One Health Approach to Emerging Infectious Diseases, Food and Agriculture Organization of the United Nations (2011); Technical Reference Group, Environment, Agriculture and Infectious Diseases, World Health Organization Special Programme for Research and Training in Tropical Diseases (2009); Team Member, AusAID-National University of Singapore, Asia-Pacific Policy Assessment for Research on Emerging Infectious Diseases (2008); Technical Advisor, Eco-Bio-Social Approach to Dengue, World Health Organization Special Programme for Research and Training in Tropical Diseases (2006-2007); Member, Working Group on the Implications of the Convention on Biological Diversity: Management of Animal Genetic Resources and the Conservation of Domestic Animal Diversity Food and Agriculture Organization of the United Nations (1994-96); Technical Assistance on Assessing the Effects of Tropical Deforestation on Biological Diversity Food and Agriculture Organization of the United Nations, Forest Resources Division, Rome (1993-94); Member, Task Force on Old-Growth Forest Wildlife-habitat Relationships, U.S. Forest Service, Olympia, Washington (1982-1985); Member, Working Group, Project on Cumulative Impacts on the Grizzly Bear, U.S. Fish & Wildlife, Missoula, Montana (1986); Member, U.S. Scientific Delegation, UNESCO Man in the Biosphere Programme, U.S./Indo Workshop on the Design of Biosphere Reserves, India (1982).

### Selected relevant publications

1. M. Wong, A. R. Katz, D. Li, and **B.A. Wilcox**. 2012. *Leptospira* Infection Prevalence In Small Mammal Host Populations on Three Hawaiian Islands. *J. Am. Soc. Trop. Med. & Hyg.* In press.
2. B. Ellis and **B. A. Wilcox**. 2008. The ecological dimensions of vector-borne disease research and control. *Cadernos de Saúde Pública/Reports in Public Health*. 25 Sup 1:S155-S167
3. D. D. Kapan, S. N. Bennett, B. Ellis, J. Fox, N. D. Lewis, J. H. Spencer, S. Saksena, and **B. A. Wilcox**. 2006. Avian influenza (H5N1) and the evolutionary and social ecology of infectious disease emergence. *EcoHealth* 3:187-194.
4. D. Despommier, B.R. Ellis, **B. A. Wilcox**. 2006. The role of ecotones and emerging infectious diseases. *EcoHealth* 3:281-289.
5. **B. A. Wilcox** and B. Ellis. 2006. Forests and emerging infectious diseases of humans. *Unasylva*, Vol. 57, 11-18.
6. **B. A. Wilcox** and R. R. Colwell. 2005. Emerging and re-emerging infectious diseases: biocomplexity as an interdisciplinary paradigm. *EcoHealth* 2:244-257.

7. P. Horwitz and **B. A. Wilcox**. 2005. Parasites, ecosystems and sustainability: an ecological-evolutionary perspective. *International Journal of Parasitology* 35:725-732.
8. **B. A. Wilcox** and D.J. Gubler. 2005. Disease ecology and the global emergence of zoonotic pathogens. *Environmental Health & Preventive Medicine*, Vol. 10:263-272.
9. **B. A. Wilcox** and Kasuya R. T. 2004. Integrating ecohealth into a medical school curriculum: a vision of the future at the University of Hawai'i John A. Burns School of Medicine. *EcoHealth*, Vol. 1(Suppl 1):34-42.
1. S. L. Deem, V. O. Eviner, J. R. Ward, **B. A. Wilcox**. 2008. Research frontiers in infectious disease ecology: an interdisciplinary agenda for a changing world. In V.T. Eviner, F. Keesing, and R. Ostfeld (Eds.), *Infectious Disease Ecology: Effects of Diseases on Ecosystems and of Ecosystems on Diseases*. Princeton U. Press. Pp. 304-320.
2. F. S. Chapin, V. T. Eviner, L. M. Talbot, **B. A. Wilcox**, D. R. Magness, and C. A. Brewer. 2008. Disease effects on landscapes and regional systems: a resilience framework. In V.T. Eviner, F. Keesing, R. Ostfeld (Eds.), *Infectious Disease Ecology: Effects of Diseases on Ecosystems and of Ecosystems on Diseases*. Princeton U. Press. Pp. 284-303.
3. **B. A. Wilcox**. 1995. Tropical Forest Resources and Biodiversity: Assessing the Risks of Forest Loss and Degradation. *Unasylva* 181, No. 46. Food and Agriculture Organization of the United Nations. Pp. 43-49.
4. M. Buechner, C. Schonewald-Cox, R. Sauvajot and **B. A. Wilcox**. 1992. Cross-boundary issues for National Parks: what works on the ground. *Environmental Management* 6: 799-809
5. **B. A. Wilcox**. 1991. In situ conservation of genetic resources. In G. H. Orians, G. M. Brown Jr, W. E. Kunin & J. E. Swierzbinski (eds), *The Preservation and Valuation of Biological Resources*. University of Washington Press. Seattle. Pp. 45-77.
6. **B. A. Wilcox**. Extinction Models and Conservation, 1986. *Trends in Ecology & Evolution* 1:46-48.
7. **B. A. Wilcox** and D. D. Murphy. 1985. Conservation Strategy: The Effects of Fragmentation on Extinction. *The American Naturalist* 125:879-887.
8. M. Soulé, **B. A. Wilcox**, and C. Holtby. 1979. Benign Neglect: A Model of Faunal Collapse in the Game Reserves of East Africa. *Biological Conservation* 15: 259-272.
9. **B. A. Wilcox**. 1984. In Situ Conservation of Genetic Resources: Determinants of Minimum Area Requirements. In *National Parks, Conservation and Development, Proceedings of the World Congress on National Parks*, J.A. McNeely and K.R. Miller, Smithsonian Institution Press Pp. 18-30.
10. E. Norse, D. Johnson, D. Wilcove and **B. A. Wilcox**. 1986. *Conserving Biological Diversity in our National Forests*. The Wilderness Society.
11. ME Soulé and **BA Wilcox** (Eds). 1980. *Conservation Biology: An Evolutionary-Ecological Perspective*. Sinauer Associates. Sunderland, MA.