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#### EDUCATION:

##### ○ Doctor of Philosophy in Anthropology

- *Dissertation*: "Health Patterns of the Secoya of the Northeastern Ecuadorian Amazon"
- University of Georgia, Athens, GA. December 2001  
*Fields of Concentration*: Medical Anthropology, Amazon Ecology and Ethnography, and Globalization and Environmental Change

##### ○ Master of Arts in Comparative Sociology

- *Master's Thesis*: A Cultural-Historical Study of Land Use in Dade County, Florida
- Florida International University, Miami, Florida, April 1995

##### ○ Bachelor of Science in Environmental Studies

- Florida International University, Miami, Florida, December 1989

##### ○ Associate of Arts in Marine Sciences

- Miami Dade Community College, Miami, Florida, December 1980

#### PROFESSIONAL AND TEACHING EXPERIENCE:

##### ○ Instructor, Department of Environmental Studies, Florida International University, Miami, Florida 2008 - present

##### ○ Visiting lecturer, Department of Environmental Studies, Florida International University, Miami, Florida, 2006 - 2008

- Co-develop and co-teach upper division course "Ecosystems of South Florida".
- Develop and teach upper division course "Environment and Health."
- Teach in-class, web-assisted, and fully online versions of the courses "Global Environment and Society," and "Ecology of South Florida."
- Guide graduate and undergraduate independent studies research.
- Devise syllabi, lecture, and administer grades.
- Service duties in undergraduate curriculum and advising.

##### ○ Adjunct instructor, Sociology and Anthropology, Florida International University, Miami, Florida, Spring 2008

- Teach in class, web-assisted version of "Medical Sociology."
- Devise syllabi, lecture, and administer grades

##### ○ Fellow, The Honors College, Florida International University, Miami, Florida, 2006 - present

- Develop and teach third year hybrid in-class/field service-based research course "Amazon Program."
- Teach second year honors course "Inhabiting Other Lives."
- Devise syllabi, seek funding from external and internal sources, coordinate logistics for international research, develop promotional material, lecture, design web page, develop online learning communication tools, mentor students, organize local and national student conference presentations, and administer grades.

- **Officer**, Project Amazonas, Inc., Fort Lauderdale, Florida and Iquitos, Perú, 2000 - present
  - Develop collaborative, multi-disciplinary basic and applied health research programs among indigenous communities in the Departamento de Loreto, Perú.
  - Coordinate humanitarian and environmental independent studies opportunities for students in Florida International University.
  - Develop promotional and documentary material and grant-writing.
- **Adjunct instructor**, Department of Environmental Studies, Florida International University, Miami, Florida, 2000 - 2006
  - Teach in-class, web-assisted, and fully online versions of the courses "Global Environment and Society," and "Ecology of South Florida."
  - Devise syllabi, lecture, and administer grades.
- **Adjunct instructor**, NOVA Southeastern University, Fort Lauderdale, Florida, January 2004 – April 2005
  - Taught in-class and video-conference versions of the course "Medical Anthropology."
  - Devise syllabi, organize health clinics, demonstrations and field activities, lecture, and administer grades.
- **Graduate assistant**, University of Georgia, Athens, Georgia, 1995-1999
  - Assisted professors writing exams and administering grades for the courses "Introduction to Anthropology" and "Human Sexuality."
  - Taught the course "Introduction to Anthropology" and its environmental literacy break out sections. Devise syllabi, lectured and administered grades.
- **Graduate assistant**, Florida International University, Miami, Florida, 1993-1995
  - Taught the courses "Introduction to Anthropology," "Introduction to Sociology," and "Myth, Ritual, and Mysticism."
  - Devise syllabi, lectured and administered grades.
- **Research assistant**, Florida International University, Miami, Florida, 1992-1993
  - Assisted in creation and implementation of research design as part of the "Hurricane Andrew Disaster Research Team."
  - Conducted field interviews, newspaper content analysis, SPSS computer data analysis, library research.
- **Teaching assistant**, Florida International University, Miami, Florida, 1991-1992
  - Assisted in preparation and evaluation of exams for the courses "Introduction to Anthropology" and "Social Science Research Methods."

#### **FIELD WORK EXPERIENCE:**

- **Research planning trip, Perú, South America, 2007**
  - Met with forestry and wildlife specialists from the Instituto de Investigaciones de la Amazonia Peruana (IIAP), leaders of the Yagua communities in the Peruvian Amazon, and staff from Project Amazonas, Inc. to design integrated conservation, health, and development research strategies to be implemented as part of the Honors College at FIU Amazon Program.

### **Guide Ecology and Anthropology Field Experience, Perú, South America, 2006**

- Guide students from the Youth Amazon Research Program, San Juan Island, Washington through ecological and anthropological fieldwork with members of the Yagua communities, organized by Project Amazonas, Inc.
- **Invited on health expedition and research planning trip, Perú, South America, 2004**
- Met with leaders of the communities of native Yagua peoples and directors of health and conservation agencies in the northern Peruvian Amazon, and assisted medical teams during a health expedition into indigenous communities organized by Project Amazonas, Inc.
- **Ph.D. dissertation field work, Ecuador, South America, 1999**
- Biomedical and ethnomedical census of current and historical health problems experienced by the native Secoya peoples of the Ecuadorian Amazon.
  - Researched, documented and compiled Secoya perceptions of environmental changes.
  - Documentation of physical, social, and cultural context surrounding health problems.

### **Medical anthropology study, Athens, Georgia, 1997**

- Designed, conducted, and analyzed field interviews and performed anthropometric measurements to assess the nutritional and health status of members of an immigrant Hispanic community.
- **Preliminary research, Ecuador and Peru, South America, 1997**
- Elicitation of perceptions of environmental degradation and health problems among the Secoya of the Ecuadorian Amazon and Aguaruna native peoples of the Peruvian Amazon.
- **Survey of potential Ph.D. dissertation field sites, Ecuador, South America, 1996**
- Interviewed members of the Chachi, Siona, and Secoya Indigenous cultures of Ecuador to identify potential research questions.
- **Comparative ethnoecological study, Athens, Georgia, 1995**
- Designed, conducted, and analyzed field interviews to assess and compare the environmental features most salient to members of a community in Athens, GA with those of members of a community in Sapelo Island, GA.
- **Ethnobotanical study, Miami, Florida, 1993**
- Designed, conducted, and analyzed field interviews to document landscape damage and identify the local knowledge and use of historical landscape trees in a Miami community hit by Hurricane Andrew in 1992.

### **PUBLICATIONS:**

"Unhealthy Landscapes: Policy Recommendations on Land Use Change and Disease Emergence." Patz, Jonathan A. et al. as part of the *Working Group Land Use Change and Disease Emergence*. Available at <http://dx.doi.org>, Online 22 April 22, 2004.

"An Ecosystem Approach to Rapid Health Assessments among Indigenous Cultures in Degraded Tropical Rainforest Environments: A Case Study of Unexplained Deaths among the Secoya of Ecuador." ECOHEALTH, 1(1): 86-100, 2004.

"Preliminary Health and Nutritional Assessment of the Athens Clarke County Hispanic Community." C. Adams, G. Luber, J.R. Riach, K. Sweeney, F.S. Wyndham. Laboratories of Ethnobiology, Anthropology Department, University of Georgia Research Report No. 8, 1998.

"The Florida Cupresseaceae Cedars." Palmetto. Spring, 1993.

#### **CONFERENCES AND PRESENTATIONS:**

"Service-based Research in the Peruvian Amazon". Organized accepted panel presentation at the National Collegiate Honors Council 2008 Annual Conference, General session. To be presented October 22-26, 2008, San Antonio, TX.

"Experiences from the Amazon". Organized and accepted for multi-media presentation for consuls of countries containing Amazonian territory. May 10, 2008, SUYU Cultural Affairs, Miami, FL.

"Consultancy and Education the Peruvian Amazon." Invited presentation at the graduate and undergraduate seminar for environmental studies. October 9, 2007, Florida International University, Miami, FL.

"Conservation and Human Health: Synergistic Partners in the Peruvian Amazon." Poster presentation at the annual meeting of the Association for Tropical Biology and Conservation, July 12-15, 2004, Miami, FL.

Commentator for panel on Viral Hemorrhagic Fevers organized by the workgroup on Social Change, Ecology, and Viral Disease Emergence. April 28-29, 2003, Harvard University, Cambridge, MA.

"Emergence of Health Problems among the Secoya of the Ecuadorian Amazon: A Multi-level Transdisciplinary Analysis." Poster presentation at the 101<sup>st</sup> annual meeting of the American Anthropological Association, November 22, 2002, New Orleans, LA.

"Environmental Degradation and Disease Emergence among the Secoya of the Ecuadorian Amazon." Invited paper presented at the conference entitled Healthy Ecosystems, Healthy People: Linkages between Biodiversity, Ecosystem Health, and Human Health, June 10, 2002, Washington, D.C.

"An Anthropological Perspective on Emerging Diseases: A Case Study of the Secoya People of the Ecuadorian Amazon." Poster presentation at the International Conference on Emerging Infectious Diseases, May, 2002, Atlanta, GA.

"Environmental Change, Emerging Diseases and Indigenous Cultures: The Case of the Secoya of Ecuador." Invited presentation for the Department of Environmental Studies colloquium series, February 15, 2001, Florida International University, Miami, FL.

"Oil, Mosquitoes and Health Risks in Aguarico: Viewing Environmental Change from Outer Space." Paper presented as part of the symposium entitled "Biodiversity and Health" at the 97<sup>th</sup> annual meeting of the American Anthropological Association, December 6, 1998, Philadelphia, PA.

#### **INVITED LECTURES AND SEMINARS:**

"The Role of Culture in Health" and "Culturally Contextualized Approaches to Health Interventions." Seminar presented to upper level students in the College of Medical Science, NOVA Southeastern University, January 10, 2006.

"Native Peoples of South Florida." Lecture presented to senior level students in the South Florida Ecology course offered by the Honors College of Florida International University, November 4, 2005.

"The Yagua of the Peruvian Amazon: Making a Case for Integrated Intercultural Health Development." Lecture presented to upper level students in the College of Medical Science, NOVA Southeastern University, April 18, 2005.

"Culture and Tropical Infectious Disease Interventions." Seminar presented to upper level students in the College of Medical Science, NOVA Southeastern University, January 7, 2006.

"The Secoya: A Case Study in Ethnoepidemiology." Lecture presented to upper level students in the College of Pharmacy, NOVA Southeastern University, February 18, 2005.

"The Role of Culture in Health" and "Culturally Contextualized Approaches to Health Interventions." Seminar presented to upper level students in the College of Medical Science, NOVA Southeastern University, January 10, 2005.

#### **SERVICE EXPERIENCE:**

**Member:** Undergraduate Committee, Department of Environmental Studies, FIU, Fall 2007-Present

**Consultant:** Students for Environmental Action, Grounds Maintenance/Native Landscaping group, Fall 2007-Present

**Research Affiliate:** The Honors College at FIU, Fall 2007-Present

**Referee:** Science and Technology papers for university-wide student competition, The Honors College at FIU, Spring 2008

**Referee:** Science and Technology papers for university-wide student competition, The Honors College at FIU, Fall 2007

**Referee:** Study Abroad scholarship applications, The Honors College at FIU, Spring 2007

**Referee:** Science and Technology papers for university-wide student competition, The Honors College at FIU, Fall 2006

#### **AWARDS:**

○ **Program support grant**, Global Water Foundation, Sarasota, FL, 2008

○ **Service-based program award**, Center for Leadership and Service, Florida International University, 2008

○ **Research Grant**, Center for Latin American and Caribbean Studies, University of Georgia, 1999

○ **Fellowship**, Center for the Study of Institutions, Population, and Environmental Change, Indiana University, 1999

○ **Excellence in teaching**. University of Georgia, 1998

#### **COMPUTER SKILLS:**

○ Development of online college level classes using WebCT and CE 6

○ Extensive application of Multi Spec and IDRISI satellite image processing and geographical information systems

○ Anthropac, SPSS, Resampling Stats, and Epi Info statistical programs

○ MedSwift differential diagnosis program

○ Proficient in Windows, Word, Excel, Power Point, Dreamweaver, Photoshop, and database management software

**LANGUAGES:**

Fluent Spanish and Portuguese

**CURRENT RESEARCH AND DEVELOPMENT INTERESTS:**

Graduate and undergraduate intercultural and interdisciplinary approaches to the study of the relationship between humans and their environment, particularly in the area of conservation medicine. Participatory ecohealth approaches to developing human and ecosystem health management strategies. Merging of Western science with traditional/indigenous knowledge in the management of natural, social, and cultural elements of the environment. Advancement of integrated and sustainable environmental, health, and development projects. Capacity building, education, and empowerment to enhance the ability of individuals and communities to influence decisions affecting them and their surrounding environment.

**TEACHING INTERESTS:**

Increasing cross-cultural and interdisciplinary insight into human-environment relations and environmental and humanitarian issues of local to global scale with particular geographic focus on the Amazon and South Florida regions. Raising awareness of the sociocultural and biophysical dimensions in the interconnections between ecosystems and human health and well-being. Educating about human well-being and sustainability issues in the Amazon and ongoing efforts to address these. Enlightening about trends in land-use practices, driving social factors, and consequent environmental, cultural, and health changes, particularly in the Amazon and South Florida regions. Teaching about intercultural approaches in the development of integrated conservation, health, and development programs. Development of service learning and field-based environmental and humanitarian educational programs. Development and use of distance learning tools including online technologies and video production.