

*Curriculum vitae*

**JOANNA X. WU**

**Publications and Theses**

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- Wu, J. X., R. B. Siegel, H. L. Loffland, M. W. Tingley, S. L. Stock, K. N. Roberts, J. J. Keane, J. R. Medley, R. Bridgman, C. Stermer. 2015. Diversity of Great Gray Owl Nest Sites and Nesting Habitats in California. *Journal of Wildlife Management* 79:937–947.
- Aslan, A., P. Hart, J. Wu, and C. E. Aslan. 2014. Evaluating the qualitative effectiveness of a novel pollinator: a case study of two endemic Hawaiian plants. *Biotropica* 46:732–739.
- Wu, J. X., D. M. Delparte, and P. J. Hart. 2014. Movement patterns of a native and non-native frugivore in Hawaii and implications for seed dispersal. *Biotropica* 46:175-182.
- Wu, J. X. 2012. Movement patterns of the ‘Ōma‘o and Japanese White-eye and implications for seed dispersal in Hawai‘i. MS Thesis, University of Hawaii, Hilo.
- Wu, J. 2009. Effects of Climate Change on Morphology in California Passerines. Undergraduate thesis, University of California, Berkeley.
- Wu, J. 2009. The Impact of Habitat Fragmentation on Bird Community Composition in Monteverde. *Berkeley Scientific Journal*. 13(1).

**Education**

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University of Hawai‘i, Hilo.

M.S. Tropical Conservation Biology & Environmental Science, December 2012  
Thesis: Movements and seed dispersal patterns of frugivorous birds.

University of California, Berkeley.

B.A. Integrative Biology, 2009, GPA 3.95 (*summa cum laude*)  
Minor: Chinese Language

Monteverde Institute. Monteverde, Costa Rica.

University of California Education Abroad Program  
Tropical Biology and Conservation, Spring, 2008

## Research and Experience

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Institute for Bird Populations, Point Reyes, California.

Staff Biologist, Mar 2013 to present (PI: Rodney Siegel)

Spearheaded several studies on the Great Gray Owl: produced a statewide conservation strategy, led study on nest habitats in California, researched effects of the Rim Fire on owl habitat.

University of Hawai'i, Hilo.

Masters thesis research, Aug 2010 to Dec 2012 (Advisors: Donna Delparte, Patrick Hart)  
Seed dispersal and frugivore movement in a naturally fragmented landscape on Hawai'i

Institute for Bird Populations, Point Reyes, California.

Biologist, May-Jul 2010 (PIs: Rodney Siegel, Bob Wilkerson)

Conducted field surveys for Black-backed Woodpeckers and forest birds.

Hawai'i Volcanoes National Park, Hawai'i.

Avian Point Count Intern, Mar-Apr 2010 (PI: Patrick Hart)

Conducted point counts using variable circular plot method in mid-elevation forests around Hawai'i Island.

University of California, Berkeley. Museum of Vertebrate Zoology.

Honors Thesis, Aug 2008-May 2009 (Advisor: Rauri Bowie)

Measured 300 museum specimens in six bird species to determine change in eight morphological traits over a century.

Monteverde Institute. Monteverde, Costa Rica.

Independent research project, Apr 2008 (Advisor: Frank Joyce)

Conducted field studies and analyzed species diversity and community composition in three areas of varying degrees of fragmentation.

University of California, Berkeley. Museum of Vertebrate Zoology.

Field Assistant for Grinnell Resurvey Project, May-Aug 2007, Jun-Aug 2008, May-Aug 2009 (PIs: Steve Beissinger, Kevin Rowe, Craig Moritz, Carla Cicero)

Employed mist nets and small mammal traps to conduct resurveys of California birds and mammals, documenting changes in distribution and community composition from the early 1900s to 2000s.

## Professional Presentations

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The Wildlife Society Western Section, January 2015. Santa Rosa, California.

Poster presentation: Effects of the Rim Fire on Great Gray Owl habitat in Yosemite National Park.

The Wildlife Society Western Section, January 2014. Reno, Nevada.

Conservation Strategy and nesting habitat assessment of the Great Gray Owl in California.

North American Ornithological Conference, August 2012. Vancouver, Canada.  
Native and non-native frugivore movement patterns and implications for seed dispersal in Hawai'i.

Hawai'i Conservation Conference, August 2012. Honolulu, Hawai'i.  
Native and non-native frugivore movement patterns and implications for seed dispersal.

The Wildlife Society Annual Conference, November 2011. Waikaloa, Hawai'i.  
Poster presentation: Frugivore movements and seed dispersal in forest islands.

University of Hawai'i, February 2011. Hilo, Hawai'i.  
Research symposium in Tropical Conservation Biology and Environmental Sciences:  
Seed dispersal ecology in Hawaiian frugivores (presentation of research idea).

Monteverde Institute, June 2008. Monteverde, Costa Rica.  
Academic and community symposium: The Impact of Habitat Fragmentation on Bird  
Community Composition in Monteverde.

### **Teaching Experience**

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University of Hawai'i, Hilo.  
Guest lectures given on animal tracking techniques and spatial analysis of tracking results.  
Presented to GIS and R Statistical Analysis courses, Fall 2012.

University of Hawai'i, Hilo.  
Graduate assistant instructor. Biostatistics. Spring 2012.  
Taught one lecture to a class of 25 undergraduate students, graded homework each week,  
coached students on course material.

University of California, Berkeley.  
Undergraduate student instructor. Biology 1A Laboratory, Fall 2007.  
Aided students in general biology lab experiments, outlined study notes for students and  
addressed questions regarding concepts and exam material.

### **Honors and Awards**

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Student Research Award, Hawaii Audubon Society – \$500, June 2011

Bergstrom Memorial Research Award, Association of Field Ornithologists – \$850, March 2011

Mewaldt-King Student Research Award, Cooper Ornithological Society – \$1000, February 2011

Dean's Honors List, College of Letters and Sciences at University of California, Berkeley –  
Spring & Fall 2006, Spring & Fall 2007, Spring & Fall 2008; Spring 2009.

Governor's Scholarship Award, California – \$1000, Spring 2006