

PATRICIA Y. OIKAWA

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EDUCATION

- Ph.D.** Ph.D. in Biology, University of Virginia. *Expected graduation date: 2010.*
- B.S.** 2004 University of California, Santa Barbara (Ecology, Evolution and Marine Biology). *Upper division cumulative GPA: 3.71*

PROFESSIONAL EXPERIENCE

- 2006-2008 IGERT Biosphere-Atmosphere Research and Training (BART) fellow. Currently conducting research on the mechanisms regulating biogenic methanol emissions from temperate tree species. Field experiments are being conducted at the University of Michigan's Biological Station (UMBS) and the Virginia Forest Research Facility (VFRF). *Advisor: Dr. Manuel Ler dau (mlerdau@virginia.edu) Department of Environmental Sciences and Biology. University of Virginia. 291 McCormick Road. Charlottesville, VA 22903.*
- 2006-2007 Organizer of the graduate student-run "Challenges of Climate Change in the Great Lakes Region" Summit held at UMBS. As a member of the Organizing Committee, I helped develop and promote the summit, invite an international group of speakers, and raise \$20,000 to fund the event. *Advisor: Dr. Knute Nadelhoffer (knute@umich.edu) Department of Ecology, and Evolutionary Biology. University of Michigan. 1029 Kraus, Natural Science Bldg., 830 N. University, Ann Arbor, MI 48109-1048.*
- 2007 Attended Marie Curie Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS) course at Hyytiälä forestry field station, Finland. *Organizer: Dr. Timo Vesala. Physicum, University of Helsinki, Finland.*
- 2005-2006 Graduate assistant under Dr. Manuel Ler dau and Dr. John Mak. Assisting in graduate students' research and data collection involving photosynthesis measurements and foliar biogenic volatile organic compound analysis. Analytical techniques include LI-COR LI-6400 photosynthesis system, GC-FID, and PTR-MS systems. *Advisor: Dr. John Mak (jemak@notes.cc.sunysb.edu) Department of Marine and Atmospheric Sciences. SUNY at Stony Brook. Marine Sciences Research Center, Stony Brook, NY 11794-5000.*
- 2004 Lab assistant under Dr. Bruce Mahall and Dr. Erin O'Brien, UCSB. Assisted in germinating desert shrubs *Larrea tridentata* and *Ambrosia dumosa* for root communication experiment.

Bruce Mahall: Ecology, Evolution and Marine Biology. University of California, Santa Barbara. Santa Barbara, CA 93106-9610.

- 2003-2004 Lab assistant under Dr. Andrew Brooks and Stephanie Mutz, UCSB. Identified and sorted invertebrates from samples collected at the Carpenteria Salt Marsh. Assisted in collecting and marking fish at the Carpenteria Salt Marsh.
Andrew Brooks: Marine Sciences Institute. University of California, Santa Barbara. Santa Barbara, CA 93106-6150.
- 2002-2003 Field volunteer for the Museum of Systematics and Ecology at UCSB. Participated in three on-campus restoration sites (oak woodlands, UCSB nursery, and vernal pools)
Stephen Rothstein (director of MSE): Ecology, Evolution and Marine Biology. University of California, Santa Barbara. Santa Barbara, CA 93106-9610.

RESEARCH PROJECTS

- 2005-2008 Graduate research on methanol flux from temperate tree species and kudzu. Research conducted at SUNY at Stony Brook, UMBS, and University of Virginia. *Advised by Dr. Manuel Lerdau.*
- 2004 Senior thesis on the defense mechanisms of chaparral shrub *Baccharis pilularis* (Coyote bush). Research investigated *B. pilularis* use of jasmonic acid as a volatile signaling compound in response to herbivory. Additional research addressed the distance capacity of jasmonic acid signaling. *Advised by Dr. David Chapman and Dr. Sally Holbrook.*
- 2002 Short-term study on the calling behavior of *Otis clarkii* (Bare-shanked Screech Owl), Monteverde, Costa Rica. (Pending publication in *Discovery*, the UCSB Journal of Undergraduate Research) *Advised by Dr. Frank Joyce.*

HONORS AND AWARDS

- 2004 Summer Undergraduate Research Fellowship granted by the UCSB College of Creative Studies for senior thesis work conducted during summer sessions.

PRESENTATIONS

- 2007 Invited guest speaker in “Feminist Theory” (SWAG 381) at UVA. Participated in undergraduate discussion of women’s role in science and technology, with a focus on epistemological issues of the gendered nature of science and scientific knowledge. *Invited by Dr. Rina Williams (rvw3k@virginia.edu) Studies in Women and Gender. University of Virginia. 227 Minor Hall, P.O. Box 400172, Charlottesville, VA 22904-4172.*

- 2007 Poster presentation at the American Geophysical Union conference in San Francisco, CA. Title of poster: Herbivory significantly increases biogenic methanol emissions in big tooth aspen *Populus grandidentata*, but no more so than mechanical wounding.
- 2007 Poster presentation at Gordon Plant-Herbivore conference in Ventura, CA. Title of poster: Methanol emissions response to simulated herbivory in big tooth aspen *Populus grandidentata* and white pine *Pinus strobus*.
- 2002 “The calling behavior and habitat use of *Otus clarkii* in the Monteverde region of Costa Rica” *oral presentation*. UC Education Abroad Colloquium, Costa Rica.

OGANISATIONS/ASSOCIATIONS

- 2008-2009 Co-chair of UVA’s Environmental Sciences Department Graduate Student Association (GSA)
- 2007-2008 Member of UVA’s Women in Mathematics and Sciences (WIMS) group. I am currently active in organizing and participating in WIMS-sponsored events such as planning outreach in science classes at Walton Middle School this spring.
- 2007-2008 Member of the Association for Women in Sciences (AWIS).

ADDITIONAL CONTACTS

Dave Karowe: david.karowe@wmich.edu
Mary Ann Carroll: mcarroll@umich.edu
Hank Shugart: hhs@virginia.edu
Laura Galloway: lg8b@virginia.edu
David Chapman: chapman@lifesci.ucsb.edu