

Tom Hata

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EDUCATION

Ph.D. Biology, Concentration: Integrative/Organismal, expected date 2014
Stanford University
BA Integrative Biology, Dec 2008 (GPA = 3.78)
University of California, Berkeley

HONORS

Dean's Honor List, Fall 2006

PUBLISHED ABSTRACTS

Sischo, D., Koehl, M.A.R., Hata, T., Cooper, T., Hadfield, M. 2007. Biofilms affect the behavior of polychaete larvae landing on surfaces in water currents and waves. *Integrative and Comparative Biology* 46: E251.

POSTER PRESENTATIONS

Sischo, D., Koehl, M.A.R., Hata, T., Cooper, T., Hadfield, M. 2007. How Marine Larvae Land on Diverse Surfaces in Water Currents and Waves. Society for Integrative and Comparative Biology, Annual Meeting.

MANUSCRIPT IN PREPARATION

Hata, T. Function, design, scaling, and sexual differences of dimorphic chelae in the land crab, *Cardisoma carnifex*.

RESEARCH EXPERIENCE

Visiting Researcher, Mimi Koehl Lab, UC Berkeley 9/08-5/09

- *Physically modeling drag force and fluid dynamics around settling larvae of tubeworm *Hydroides elegans**
- Co-designed, performed, and analyzed experiment.

Laboratory assistant, Kewalo Marine Lab, University of Hawaii 6/06-7/06 and 6/07-7/07

- *Biofilms affect the behavior of polychaete larvae landing on surfaces in water currents and waves*
- Assisted graduate student in developing and performing experiment.

Undergraduate Research Apprentice, Mimi Koehl Lab, UC Berkeley 1/07-5/07

- Determined possible flight conformations of feathered dinosaur *Microraptor gui* by creating a life-size model and recording forces and air flow in a wind tunnel.

Gump Station, UC Berkeley, Moorea, French Polynesia 9/06-12/06

- *Function, design, scaling, and sexual differences of dimorphic chelae in the land crab, *Cardisoma carnifex*.*
- Designed and performed own individual experiment.
- Wrote a full manuscript and presented results in front of biology department students and faculty. (manuscript can be viewed at <http://repositories.cdlib.org/wrca/moorea/hata/>)
- Manuscript in preparation for publication

Undergraduate Research Apprentice, Robert Dudley Lab, UC Berkeley 1/06-5/06

- Assisted post-doctorate in creating digital 3-dimensional models of erratic butterfly flight by analyzing high-speed film footage.

STUDY ABROAD

Sophia University, Tokyo, Japan, through UC Education Abroad Program 08/08-10/09

VOLUNTEER

Tutor, East Palo Alto Tennis and Tutoring, Stanford CA 10/09-Present

- Non-profit organization designed to serve inner-city youth minorities.
- Weekly one-on-one tutoring of a high school sophomore. Created own lesson plans in order to improve grades in school, prepare student for standardized tests, and teach life skills.

Mentor, Biology Pre-grad Mentoring Program, Stanford Univ. 10/09-Present

- Paired with an undergraduate junior/senior biology major to provide academic and research advice from a post-graduate perspective.

Mentor, Asian American Interactive Mentoring Program, Stanford Univ. 10/09-Present

- Paired with an Asian American sophomore undergraduate biology major in order to give academic and general advice with sensitivity to cultural issues.

Bishop Museum of Hawaii, Department of Vertebrate Zoology 2003-04

- Organized preserved specimens and logged information into database.

EMPLOYMENT

Private English tutor, Japan 8/07-8/08

Private Math tutor, Hawaii 6/07-7/07

LANGUAGES

Japanese

- Native speaker, intermediate level reading and writing comprehension