

Pamela E. Michael

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Education **Hawaii Pacific University (HPU)**, Honolulu, HI, Master's of Science in Marine Science program
Current courses: Spatial Ecology, Marine Systems, Global Information Systems (GIS)

University of Puget Sound (UPS), Tacoma WA, Graduated with honors in Biology, GPA 3.67, (including courses in Adelaide, South Australia), 3.56 in major

Courses: organic chemistry, cellular biology, genetics, geology, oceanography, ecology, animal physiology, animal behavior, evolution, biogeography and biodiversity conservation (Adelaide), marine biology, water policy, senior thesis

Research Interests Conservation, marine ecology, oceanography, procellariiformes, habitat usage, corridors, Marine Protected Areas, population demography, survival

Future Plans Continue working on my Master's degree

Research Experience

- Spring 2008** Seabird intern on Southeast Farallon Island (SEFI) for PRBO Conservation Science. Duties included banding, reading bands (metal and color) in the field, netting, burrow camera, data entry and proofing. Project leads: Russ Bradley and Pete Warzybok
- SEFI**
- Winter 2007** Used infrared camera probe to monitor breeding success of Pink-footed Shearwaters (*Puffinus creapopus*) in a reserve on Robinson Crusoe Islands, Juan Fernández Islands (JFI), Chile. Project lead: Dr. Peter Hodum
- Winter 2007** Monitored burrow occupancy using an infrared camera probe and maintained data on study of reproductive success of Pink-footed Shearwaters on Santa Clara Island, JFI, Chile. Project lead: Dr. Peter Hodum
- JFI**
- Winter 2007** Monitored breeding success of Blue-footed boobies (*Sula nebouxii*) on Isla Isabel, Mexico. Work included banding, sex and individual identification, measuring beak and ulna lengths and mapping nest locations. Project lead: Dra. Roxana Torres
- Summer 2007**
- Isla Isabel**
- Fall 2006** Identified water quality characteristics associated with bacterial mats in Hood Canal (HC) and Quartermaster Harbor (QH). Extent of mats determined by georeferenced video transects. Available HC water quality data was compared to QH data, collected using a DataSond. Marine Biology group project
- UPS**
- Summer 2006** Evaluated the chemosensory and activity level response of male, vitellogenic female and gravid female Striped Plateau Lizards (*Sceloporus virgatus*) to pungent novel and predatory snake chemosensory cues. Designed and performed study, videotaped trials, scored, and analyzed statistically at Southwest Research Station (SWRS) in Portal, AZ. Independent Senior Thesis research project
- Summer 2006**
- SWRS**
- Summer 2005** Captured, marked, collected data and maintained Striped Plateau Lizards (*Sceloporus virgatus*) to evaluate reproductive coloration as a signal of phenotypic quality. Project leads: Dr. Stacey Weiss and Eileen Kennedy
- Summer 2005**
- SWRS**
- Summer 2005** Administered chemosensory cues and video recorded trials to determine the ability of male striped plateau lizards, *Sceloporus virgatus*, to differentiate between familiar and unfamiliar chemosensory cues. Project lead: Dr. Stacey Weiss
- Summer 2005**
- SWRS**
- Summer 2002** Used mtDNA microsatellites to identify *Mytilus galloprovincialis* and *Mytilus trossilus* mussels in Puget Sound. Project lead: Dr. Peter Wimberger
- UPS**
- Winter 2001** Evaluated oxygen consumption rates to determine basal metabolic rates of *Abronia* sp. with and without a familiar object. Project lead: Dr. Ed DeGrauw.
- UPS**

Conferences

PowerPoint Presentation: Factors affecting the distribution of *Beggiatoa* spp. mats in HC, M. Lonsdale, P. Michael, J. Brown, S. Korosec, Dr. J. K. Elliott, Washington GIS Conference, Lynnwood, WA 2007

Poster Presentation: Factors affecting the distribution of *Beggiatoa* spp. mats in HC and QH, M. Lonsdale, P. Michael, J. Brown, S. Korosec, Dr. J. K. Elliott, Pacific Estuarine Research Society, Victoria, BC. 2007

Poster Presentation: Chemosensory detection of novel and predator cues by the striped plateau lizard, *Sceloporus virgatus*, P. Michael and Dr. S. Weiss, Animal Behavior Society, Snowbird, Utah 2006

Grants and Awards

Spring, 2007, Honorable Mention in Student Presentation Competition, WAGIS

Winter, 2007, Outstanding Student Poster Presentation, PERS, \$100

Summer 2006, University of Puget Sound Summer Research Stipend, \$3000

Summer 2006, University Enrichment Committee (UEC) from UPS, \$450

Summer 2006, UEC Travel Grant from UPS, \$450

Related Work/Volunteer Experience

Served as an ex-officio student member of the Board of Directors for South Puget Sound Salmon Enhancement Group (2007), genetics TA, marine mammal care and necropsy data collection with DFW, children's fishing events, bird banding, adult salmon identification and coded-wire tag locating, seabird intern on Southeast Farallon Island (SEFI)

Skills

Scientific writing and discussion, critical review, experimental design, poster creation, computer skills: Microsoft Word, PowerPoint, Excel, PADI Open Water Certification (2001), American Sailing Association Basic Keelboat Sailing 101 Certification (2007)

Outside Interests

Scuba diving, sailing, Washington State driver's license (2000), hiking, photography, travel, Castilian, soccer, jogging, films

References

David Hyrenbach, Hawaii Pacific University, Kaneohe, HI, 808-259-3112

Peter Hodum, University of Puget Sound, Tacoma, WA, 253-879-2789

Russ Bradley, PRBO Conservation Science, 707-781-2555 x 314

Stacey Weiss, University of Puget Sound, Tacoma, WA, 253-879-2744