

**NORINE W. YEUNG, Ph.D.**

BISHOP MUSEUM • MALACOLOGY CENTER,

**GOV. MSG. NO. 699**

**EDUCATION**

- PhD** University of Hawaii Manoa, Honolulu, Zoology with Ecology, Evolution, & Conservation Biology Specialization, Advisor: Sheila Conant
- MS** University of Hawaii Manoa, Honolulu, Zoology with Ecology, Evolution, & Conservation Biology Specialization, Advisor: Sheila Conant
- BS** University of Hawaii Manoa, Honolulu, Zoology Advisor: Christopher Z. Womersley

**PROFESSIONAL APPOINTMENTS**

- 2017 - Present **Natural Areas Reserves Commissioner** – Department of Land and Natural Resources, Honolulu HI
- 2015 - Present **Malacology Curator** - Bernice Pauahi Bishop Museum, Honolulu HI
- 2012 - 2015 **Associate in Science** - Bernice Pauahi Bishop Museum, Honolulu HI
- 2011 - Present **Research Collaborator** - Smithsonian Institution, US National Museum of Natural History, Washington, DC
- 2011 **Environmental Consultant** - Garcia and Associates, Honolulu Branch, Kailua, HI
- 2010 - 2015 **Assistant Research Faculty** - University of Hawaii, Pacific Biosciences Research Center, Center for Conservation Research & Training, Honolulu, HI
- 2008 - 2010 **Graduate Research Assistant** - University of Hawaii, Pacific Biosciences Research Center, Center for Conservation Research & Training, Honolulu, HI
- 2004 - 2008 **Graduate Research Assistant** - University of Hawaii, Zoology, Honolulu, HI
- 2006 - 2008 **Graduate Teaching Fellow** - National Science Foundation GK-12 Program, University of Hawaii, Evolution, Ecology & Conservation Biology Graduate Program, Honolulu, HI
- 2005 - 2006 **Graduate Teaching Assistant** - University of Hawaii, Zoology, Honolulu, HI
- 2004 - 2006 **Graduate Teaching Assistant** - University of Hawaii, Department of Languages & Literatures of Europe & the Americas, Honolulu, HI
- 2000 - 2003 **Laboratory Research Assistant** - University of Hawaii, School of Earth Science & Technology, Honolulu, HI

**GRANTS, SCHOLARSHIPS & FELLOWSHIPS**

Grants Pending

Disney Conservation: Manning the lifeboats – Conservation of the understudied majority. PI: N.W. Yeung, K.A. Hayes. \$50,000. 2021 – 2022.

Grants Awarded as Principal Investigator (\$2,772,526)

2019-2022	U.S. National Science Foundation: Digitization TCN: Collaborative research: enhancing access to taxonomic and biogeographical data to stem the tide of extinction of the highly imperiled Pacific island land snails. <b>PI: N.W. Yeung</b> ; Co-PI K.A. Hayes. (DBI-1902328)	\$1,338,205
2019-2020	U.S. Department of Agriculture, Farm Bill: <i>Detecting and reducing major agricultural pest snails in farms and gardens through community outreach and surveys</i> . <b>PI: N.W. Yeung</b> ; Co-PIs: K.A. Hayes, P. Sato (Malama Learning Center)	\$100,000
2018-2019	U.S. Department of Agriculture, Farm Bill: <i>Invasive terrestrial snail surveys in Hawaii</i> . PI: <b>N.W. Yeung</b> ; Co-PI: K.A. Hayes	\$70,000
2018-2019	Hawaii State Department of Land and Natural Resources: <i>Identity and distribution of invasive land snails infected with Rat Lungworm in Hawaii: Surveys, identification guides, and taxonomic workshops</i> . PIs: <b>N.W. Yeung</b> and KA Hayes	\$58,415
2017-2020	National Science Foundation. Division of Environmental Biology COLLABORATIVE RESEARCH: ARTS: <i>Revisionary systematics of the highly threatened land snails (Achatinellidae): an integrative phylogenetic approach</i> . <b>PI: N.W. Yeung</b> , Co-PI: J Slapcinsky; Collaborative PI: KA Hayes. (DEB-1656231= \$216,327; DEB-1656254= \$479,878)	\$696,205 (\$479,877)
2016-2019	National Science Foundation. Division of Biological Collection. Biological Research Collection Program. CSBR: Natural History Collections: <i>Housing, Databasing, Digitizing and Accessibility Upgrades to the Largest Pacific Island Land Snail Collection (Bishop Museum)</i> . <b>PI: N.W. Yeung</b> , Co-PI: KA Hayes. (DBI-1561774)	\$495,633
2016-2017	U.S. Department of Agriculture (Cooperative Agricultural Pest Survey): <i>Survey of non-indigenous land snails in Hawaii's horticultural facilities</i> . <b>PI: N.W. Yeung</b> , Contributors: KA Hayes, RH Cowie	\$16,694
2014-2015	U.S. Department of the Interior Fish and Wildlife Service: Hawaiian land snails Extinction Prevention: <i>Assessing a Vanishing Fauna</i> . PI: KA Hayes. <b>Collaborative PI: N.W. Yeung</b> , Co-PI: RH Cowie	\$106,047 (\$71,997)
2013-2016	Bernice Pauahi Bishop Museum (funded by the Jessie D. Kay Foundation): <i>Student Research Internship in Malacology</i> . <b>PI: N.W. Yeung</b>	\$44,035
2013	Department of Forestry and Wildlife, Hawaii: <i>Use of eugenol in the Kaala Bog and the potential impacts on non-target native snails, particularly the rare endemic species Kaala subrutila</i> . <b>PI: N.W. Yeung</b>	\$5,857

2010 – 2011	U.S. Army Garrison, Oahu, Hawaii: <i>Assessment of the current distribution, potential for continued spread, and population density of Oxychilus alliaris on Oahu, Hawaii.</i> <b>PI: N.W. Yeung</b>	\$58,813
<u>Grants Awarded as Co-Principal Investigator or Senior Personnel (\$789,684)</u>		
2020-2021	U.S. Fish and Wildlife Service, Pacific Region, Prelisting. Hawaii freshwater snails: Understudied and unprotected. PI: K.A. Hayes, <b>Co-PI: N.W. Yeung.</b>	\$90,000
2011 – 2014	U.S. National Science Foundation: Hawaiian land snail biodiversity: <i>Systematics, phylogenetics and conservation status of a vanishing fauna.</i> PI: KA Hayes, Co-PIs: RH Cowie, BH Holland, <b>Senior Personnel: N.W. Yeung</b>	\$650,000
2011 – 2012	U.S. Army Garrison Oahu. <i>Alien snail control.</i> PI Cowie, <b>Senior Personnel: N.W. Yeung</b>	\$49,684
<u>Graduate Student Scholarships &amp; Fellowships (\$78,176)</u>		
	COA Grants to Malacology	\$1,250
	URC Travel Grant, University of Hawaii	\$2,000
	Hawaiian Malacological Society Scholarship	\$1,484
	University of Hawaii Foundation Jessie Kay Memorial Research Fund	\$10,000
	University of Hawaii Ecology, Evolution & Conservation Biology Student Travel Award	\$1,142
	University of Hawaii Ecology, Evolution & Conservation Biology Student Research Award	\$1,000
	University of Hawaii Ecology, Evolution and Conservation Biology Graduate Fellowship in K-12 Education	\$58,000
	University of Hawaii Ecology, Evolution and Conservation Biology Student Research	\$2,500
	Hawaii Audubon Society	\$500
	University of Hawaii Foundation Life History, Ecology and Conservation of Native Hawaiian Birds Fund	\$300

**PEER-REVIEWED PUBLICATIONS (30)**

Meyer, W.M., L. Evans, C. Kalahiki, J. Slapcinsky, T. Goulding, D. Robinson, P. Kaniaupo-Crozier, J.R. Kim, K.A. Hayes, and **N.W. Yeung**. *In Press*. Plants critical for Hawaiian land snail conservation: arboreal snail plant preferences in Pu‘u Kukui Watershed, Maui, and other Hawaiian Islands. *Oryx*

Hayes, K.A., J. Slapcinsky, D.R. Sisco, J.R. Kim, and **N.W. Yeung**. 2020. The last known *Endodonta* species? *Endodonta christenseni* sp. nov. (Endodontidae). *Bishop Museum Occasional Papers* 138: 1-15



- Gerlach, J., G.M. Barker, C.S. Bick, P. Bouchet, G. Brodie, C.C. Christensen, T. Collins, T. Coote, R.H. Cowie, C. Fiedler, O.L. Griffiths, F.B. Vincent Florens, K.A. Hayes, J.R. Kim, J.-Y. Meyer, W.M. Meyer, I. Richling, J. Slapcinsky, L. Winsor, and **N.W. Yeung**. 2020. Negative impacts of invasive predators used as biological control agents against the pest snail *Lissachatina fulica*: the snail *Euglandina 'rosea'* and the flatworm *Platydemus manokwari*. *Biological Invasions* [https://doi.org/10.1007/s10530-020-02436-w\(0123456789\)](https://doi.org/10.1007/s10530-020-02436-w(0123456789)),-volV(0123456789).
- Goulding, T.C., E.E. Strong, K.A. Hayes, J. Slapcinsky, J.R. Kim, and **N.W. Yeung**. 2020. Type specimens of the Hawaiian land snails in the Paleontological Research Institution in Ithaca, New York, with lectotype designations. *American Malacological Bulletin* 38: 1-38
- Yeung, N.W.**, J. Slapcinsky, E.E. Strong, J.R. Kim, and K.A. Hayes. 2020. Overlooked but not forgotten: the first new extant species of Hawaiian land snail described in 60 years, *Auriculella gagneorum* sp. nov. (Achatinellidae, Auriculellinae). *ZooKeys* 950: 1-31 doi:10.3897/zookeys.950.50669
- Curry, P.A., **N.W. Yeung**, K.A. Hayes and R.H. Cowie. 2020. The potential tropical island distribution of a temperate invasive snail, *Oxychilus alliarius*, modeled on its distribution in Hawaii. *Biological Invasions* 22: 307-327 <https://doi.org/10.1007/s10530-019-02091-w>
- Yeung, N.W.**, W.M Meyer, K.A. Hayes, J.R. Kim, T.J. Skelton, and R.H. Cowie. 2019. Non-native gastropods in high elevation horticultural facilities in Hawaii - a threat to native biodiversity. *Biological Invasions* <https://doi.org/10.1007/s10530-019-01916-y>
- Kim, J.R., T.W. Wong, P.A. Curry, **N.W. Yeung**, K.A. Hayes, and R.H. Cowie. 2019. Modelling the distribution in Hawaii of *Angiostrongylus cantonensis* (rat lungworm) in its gastropod hosts. *Parasitology* 146(1): 42-49
- Yeung, N.W** and K.A. Hayes. 2018. Biodiversity and Extinction of Hawaiian Land Snails: How Many are Left Now and What Must We Do To Conserve Them—A Reply to Solem (1990). *Integrative and Comparative Biology* 58(6): 1157-1169. <https://doi.org/10.1093/icb/icy043>
- Yeung, N.W.**, K.M. Bustamente, D.R. Sischo and K.A. Hayes. 2018. Rediscovery of *Newcombia canaliculata* (Baldwin, 1895) (Gastropoda: Achatinellidae) and *Laminella venusta* (Mighels, 1845) (Gastropoda: Amastridae). *Bishop Museum Occasional Papers* 123: 31-36.
- Yeung, N.W.**, J.R. Kim and K.A. Hayes. 2018. Rat lungworm (*Angiostrongylus cantonensis*) in Hawai'i: updated host gastropod records and distributions on Maui. *Bishop Museum Occasional Papers* 123: 19-24.
- Cowie, R.H., K.A. Hayes, J.R. Kim, K.M. Bustamente and **N.W. Yeung**. 2018. *Parmarion martensi* Simroth, 1893 (Gastropoda: Ariophantidae) present on Maui. *Bishop Museum Occasional Papers* 123: 7-10.
- Yeung, N.W.**, E.E. Strong, R.H. Cowie and K.A. Hayes. 2017. Type catalog of Hawaiian land snails at the Smithsonian Natural History Museum. *Smithsonian Contributions to Zoology* 647: 1-43.
- Meyer, W.M., **N.W. Yeung**, J. Slapcinsky and K.A. Hayes. 2017. Two for one: inadvertent introduction of non-cryptic *Euglandina* species during failed bio-control efforts in Hawaii. *Biological Invasions* 19(5):1399-1405



- Kim, J.R., K.A. Hayes, **N.W. Yeung** and R.H. Cowie. 2016. Identity and distribution of introduced slugs (Veronicellidae) in the Hawaiian and Samoan Islands. *Pacific Science* 70(4): 477-493.
- Cowie, R.H., V. Héros, **N.W. Yeung** and K.A. Hayes. 2016. Annotated catalogue of types of Hawaiian land and freshwater snails (Mollusca: Gastropoda) in the Muséum national d'Histoire naturelle, Paris, with lectotype designations. Addendum: lectotype designation for *Lymnaea affinis* Souleyet, 1852. *Zoosystema* 38(3): 389-391.
- Cowie, R.H., V. Héros, **N.W. Yeung** and K.A. Hayes. 2016. Annotated catalogue of types of Hawaiian land and freshwater snails (Mollusca: Gastropoda) in the Muséum national d'Histoire naturelle, Paris, with lectotype designations. *Zoosystema* 38 (2): 245-266
- Curry, P.A., **N.W. Yeung**, K.A. Hayes, W.M. Meyer III, A.D. Taylor and R.H. Cowie. 2016. Rapid range expansion of an invasive predatory snail, *Oxychilus alliarius* (Miller 1822), and its impact on endemic Hawaiian land snails. *Biological Invasions* 18: 1769-1780
- Triantis, K.A., F. Rigal, C.E. Parent, R.A.D. Cameron, B. Lenzner, A. Parmakelis, **N.W. Yeung**, M.R. Alonso, M. Ibáñez, A.M. de Frias Martins, D.N.F. Teixeira, O.L. Griffiths, Y. Yanes, K.A. Hayes, R.C. Preece and R.H. Cowie. 2016. Discordance between morphological and taxonomic diversity: land snails of oceanic archipelagos. *Journal of Biogeography* 43 (10): 2050-2061
- Yeung, N.W.**, D. Chung, D.R. Sischo and K.A. Hayes. 2015. Rediscovery of *Auriculella pulchra* Pease, 1868 (Gastropoda: Pulmonata: Achatinellidae). *Bishop Museum Occasional Papers* 116:49-51
- Régnier, C., P. Bouchet, K.A. Hayes, **N.W. Yeung**, C.C. Christensen, D.J.D. Chung, B. Fontaine and R.H. Cowie. 2015. Extinction in a Hyperdiverse Endemic Hawaiian Land Snail Family and Implications for the Underestimation of Invertebrate Extinction *Conservation Biology* 29: 1715-1723
- Yeung, N.W.**, D.C. Duffy, and S. Conant. 2014. Characterizing isotopic variation of a tropical seabird, the White Tern, *Gygis alba*. *Marine Ornithology* 42: 113-117
- Meyer, W.M., D.T.A. Gary, **N.W. Yeung**, C. Dirks, K. Leung, J.A. Leon, D.T.B. Ressler, P.A. Curry, and K.A. Hayes. 2014 Native arboreal land snails in the Mt Kaala Natural Area Reserve, Oahu, Hawaii, have similar plant preferences: implications for conservation. *Journal of Molluscan Studies*, 80:469-472, doi: 10.1093/mollus/eyu065
- Kim, J.R., K.A. Hayes, **N.W. Yeung** and R.H. Cowie. 2014. Diverse gastropod hosts of *Angiostrongylus cantonensis*, the rat lungworm, globally and with a focus in the Hawaiian Islands. *PloS One* 9(5): e94969 doi:10.1371/journal.pone.0094969
- Durkan, T.H., **N.W. Yeung**, W.M. Meyer III, K.A. Hayes and R.H. Cowie. 2013. Evaluating the efficacy of land snail survey techniques in Hawaii: implications for conservation throughout the Pacific. *Biodiversity and Conservation* 22:3223-3232
- Yeung, N.W.**, K.A. Hayes and R.H. Cowie. 2013. Effects of washing produce contaminated with the snail and slug hosts of *Angiostrongylus cantonensis* with three common household solutions. *Hawaiian Journal of Medicine and Public Health Supplement* 2. 72(6):83-85

Kim, J.R., K.A. Hayes, **N.W. Yeung** and R.H. Cowie. 2013. Definitive, intermediate paratenic and accidental hosts of *Angiostrongylus cantonensis* and its Molluscan intermediate hosts in Hawaii. *Hawaiian Journal of Medicine and Public Health Supplement 2*. 72(6):10

Hayes, K.A., **N.W. Yeung**, J.R. Kim and R.H. Cowie. 2012. New records of alien Gastropoda in the Hawaiian Islands: 1996-2010. *Bishop Museum Occasional Papers* 112:21-28

Christensen, C.C., **N.W. Yeung** and K.A. Hayes. 2012. First records of *Paralaoma servilis* (Shuttleworth, 1852) (Gastropoda: Pulmonata: Punctidae) in the Hawaiian Islands. *Bishop Museum Occasional Papers* 112:3-7

Meyer, W.M III and **N.W. Yeung**. 2011. Trophic relationships among terrestrial molluscs in a Hawaiian rain forest: analysis of carbon and nitrogen isotopes. *Journal of Tropical Ecology* 27(4): 441-445

**Yeung, N.W.**, D.B. Carlon, and S. Conant. 2009. Testing subspecies hypothesis with molecular markers and morphometrics in the Pacific White Tern complex. *Biological Journal of the Linnean Society* 98: 586-595

VanderWerf, E.A., L.C. Young, **N.W. Yeung**, and D.B. Carlon. 2009. Stepping stone speciation in Hawaii's flycatchers: Molecular divergence supports new island endemics within the 'Elepaio. *Conservation Genetics* 11(4): 1283-1298

#### **IN-PREP PUBLICATIONS (6)**

**Yeung, N.W.**, R.H. Cowie and K.A. Hayes. *In Prep*. Type catalog of Hawaiian land snails at the Academy of Natural Sciences, Philadelphia. *Malacologia*.

**Yeung, N.W.**, E.E. Strong, B.S. Holland, R.H. Cowie and K.A. Hayes. *In Prep*. Evolution of the Hawaiian Achatinellidae: Extraordinary cryptic diversity and the implications for genetic diversity and conservation of a vanishing fauna. *Molecular Phylogenetics and Evolution*

Hayes, K.A., **N.W. Yeung**, B.S. Holland and R.H. Cowie. *In Prep*. Systematics and comparative phylogeography of Hawaiian Succineidae. *Zoological Journal of Linnaean Society*

Hayes, K.A., B.S. Holland, G.M. Barker, **N.W. Yeung** and R.H. Cowie. *In Prep*. Global generic level phylogeny of the Succineidae. *Molecular Phylogenetics and Evolution*

Meyer, W.M., K.A. Hayes, **N.W. Yeung**, C.T. Tran, J.R. Kim, T.J. Skelton and R.H. Cowie. *In Prep*. Distribution, abundances and impacts of alien snails and slugs on low elevation (< 500 m), disturbed habitats in Hawaii. *Biological Invasions*

#### **OTHER PUBLICATIONS (3)**

**Yeung, N.W.** 2017. Using the Malacology Collection to Save Hawaiian Land Snails. *Ka 'Elele Spring* 2017.

**Yeung, N.W.**, K.A. Hayes and R.H. Cowie. 2013. Pacific Island land snails: Hawaiian land snail project. *Tentacle* 21

**Yeung, N.W.**. 2010. Systematics, Phylogeography, and Feeding Ecology of the White Tern (*Gygis alba*). Ph.D Dissertation. University of Hawaii. Department of Zoology. Honolulu, Hawaii.

**Yeung, N.W.** and K.L. Krend. 2008. Avian adventures. The Kukui Leaf, Lyon Arboretum Newsletter 32:3.



**INVITED PRESENTATIONS (PRESENTER IN BOLD)**

**Hayes, K.A.** and N.W. Yeung. Freshwater snails of Hawaii. Snail Extinction Prevention Program Annual Meeting. 9 March 2020.

**Yeung, N.W.** and K.A. Hayes. Hawaiian land snail conservation update. Snail Extinction Prevention Program Annual Meeting. 9 March 2020.

**Hayes, K.A.** and N.W. Yeung. Biodiversity Discovery and Systematics in the Anthropocene. Iolani School, Yvonne Chan's Population Genetics Class. 11 February 2020.

Yeung, N.W. and **K.A. Hayes**. Museum Collections for the Study of Ecology and Evolution. Iolani School. 11 February 2020.

**Yeung, N.W.** You can't conserve what you can't identify: the plight of Hawaii's land snails. University of Hawaii, Department of Natural Resources and Environmental Management. 13 November 2019.

**Hayes, K.A.** and **N.W. Yeung**. Biodiversity Discovery and Natural History Collections in the Anthropocene. Australian Museum, Sydney, Australia. 1 September 2019.

**N.W. Yeung**. Threatened, endangered, and extinct oh my! Growing and using natural history collections in the midst of a biodiversity crisis. American Malacological Society Symposium on Collections at the World Congress of Malacology, Pacific Grove, CA. 11-16 August 2019

**Hayes, K.A.**, C.C. Christensen and N.W. Yeung. Biocontrol of land snails: unlearned lessons and non-target impacts. Novel Approaches to Managing Invasive and Pest Molluscs Thematic Session at the World Congress of Malacology, Pacific Grove, CA. 11-16 August 2019

**Hayes, K.A.** and N.W. Yeung. Not gone yet, but we're now well either: Update on Hawaii's remaining land snails. 26th Annual Hawai'i Conservation Conference. Symposium: Challenges and Successes of Conserving Hawai'i's Terrestrial Invertebrates: A Seven Year Update, Honolulu, HI. 10 July 2019.

**Slapcinsky, J.**, K.A. Hayes and N.W. Yeung. How has the Hawaiian endemic land snail genus *Auriculella* fared after a century of obscurity during an extinction crisis? 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.

**Yeung, N.W.**, E.E. Strong, J. Slapcinsky, B.S. Holland, R.C. Cowie and K.A. Hayes. Phylogenetics and biogeography informing conservation of Hawaiian Achatinellidae. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.

**Yeung, N.W.**, R.H. Cowie, J.R. Kim, C.C. Christensen and K.A. Hayes. Fifty-two species and counting - invasive terrestrial snails in Hawaii. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.

**Goulding, T.C.**, N.W. Yeung and K.A. Hayes. Molecular systematics of the Hawaiian Pacificellinae (Stylommatophora: Achatinellidae). 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.

**Yeung, N.W.** and K.A. Hayes. Extinction of the hyperdiverse Hawaiian land snail fauna: What remains and what are we doing to save it? Annual Meeting of the Society for Integrative and Comparative Biology, San Francisco, CA, 3-7 January 2018.

- Hayes, K.A.** and N.W. Yeung. Pacific Island land snails: Changing perspectives for conservation. Mollusks in Peril Symposium at 83rd Annual American Malacological Society meeting, Newark, DE. 15-20 July 2017.
- Yeung, N.W.** and K.A. Hayes. Impact of invasive species on Hawaii's land snail diversity and the development of a Pacific Island land snail consortium. Mollusks in Peril Symposium at 83rd Annual American Malacological Society meeting, Newark, DE. 15-20 July 2017.
- Hayes, K.A.** and **N.W. Yeung**. Invasive land snails and Rat Lungworm intermediate hosts in Hawaii. Hawaii Invasive Species Council, Department of Land and Natural Resources. 6 July 2017.
- Yeung, N.W.** and H. Bolick. Lightning talk: Bishop Museum. GGBN North American Workshop, National Museum of Natural History. 11-13 April 2017
- Yeung, N.W.** Graduate careers outside of the University. Weekly Biology Department Seminar Series, University of Hawaii. 24 March 2017
- Hayes, K.A.** and **N.W. Yeung**. Invasive land snails and Rat Lung Worm intermediate hosts in Hawaii. Hawaii Department of Agriculture, Plant Quarantine, Honolulu, HI. 13 March 2017
- Yeung, N.W.** Role of natural history collections and systematics in species conservation: Hawaiian land snail case studies. Conservation Genetics Workshop, Hawaii Institute of Marine Biology, Honolulu, Hawaii. 9-10 February 2017
- Yeung, N.W.** Pacific Island Land Snail Conservation: To know is to care: stemming the decline of mollusks and malacologists. Mollusks in Peril Forum, Bailey-Mathews National Shell Museum, Sanibel Island, Florida. 22-24 May 2016
- Hayes, K.A.** and N.W. Yeung. Pacific Island land snail conservation: Case studies from the Hawaiian Islands. XXIV Encontro Brasileiro de Malacologia, Rio de Janeiro, Brazil. 14-18 September 2015.
- Yeung, N.W.** and K.A. Hayes. Systematics and conservation of the Hawaiian orthurethrans. Pacific Island Land Snail Symposium at 81st Annual American Malacological Society meeting, Pellston, MI. 28-31 August 2015.
- Slapcinsky, J.** N.W. Yeung, D.T.A. Gary and K.A. Hayes. Diversity of Hawaiian Microcystinae (Gastropoda: Stylommatophora: Helicarioidea) 75 years after H.B. Baker. Pacific Island Land Snail Symposium at 81st Annual American Malacological Society meeting, Pellston, MI. 28-31 August 2015.
- Leung, K.,** N.W. Yeung and K.A. Hayes. The phylogenetics and conservation status of the Hawaiian Helicinidae. Pacific Island Land Snail Symposium at 81st Annual American Malacological Society meeting, Pellston, MI. 28-31 August 2015.
- Hayes, K.A.** and N.W. Yeung. Pacific Island land snail conservation: Case studies from the Hawaiian Islands. Pacific Island Land Snail Symposium at 81st Annual American Malacological Society meeting, Pellston, MI. 28-31 August 2015.
- Yeung, N.W.,** R.H. Cowie, B.S. Holland and K.A. Hayes. Phylogenetic systematics of Hawaiian Succineidae. 81st Annual American Malacological Society meeting, Pellston, MI. 28-31 August 2015.
- Hayes, K.A.** W.M. Meyer, N.W. Yeung and J. Slapcinsky. Two for the price of one: inadvertent introduction of cryptic *Euglandina* species during failed biocontrol efforts in



Hawaii. 81st Annual American Malacological Society meeting, Pellston, MI. 28-31 August 2015.

**Yeung, N.W.**, K.A. Hayes, W.M. Meyer, C.T. Tran, J.R. Kim, T.J. Skelton and R.H. Cowie. Searching high and low: Invasive land snails in Hawaii. United States Fish and Wildlife Service Pacific Division. Honolulu, HI, USA. 11 February 2015.

**Hayes, K.A.** and N.W. Yeung. Hawaiian land snail biodiversity: Conservation status of a vanishing fauna. Presented during the Symposium entitled They are the 99%: Challenges and successes of conserving invertebrates, Hawaii's smallest majority at 2012 Hawaii Conservation Conference, Honolulu, HI, 31 July-2 August, 2012.

**Hayes, K.A.**, R.H. Cowie, W.M. Meyer, N.W. Yeung, C.T. Tran and J.R. Kim. Introduction pathways, spread and impacts of alien snails and slugs in Hawaii. Presented as a workshop participant on snail and slug management in ornamentals in the Western U.S. at the 6th International Integrative Pest Management Symposium, Portland Oregon. 24-26 March 2009.

#### **CONTRIBUTED PRESENTATIONS (PRESENTER IN BOLD)**

**Maruno, T.**, K.A. Hayes, N.W. Yeung. The Pacific Island Land Snail Biodiversity Repository (PILSBRY) Portal: enhancing research and conservation management of this highly endangered fauna. 27<sup>th</sup> Hawaii Conservation Conference, 1-3, September 2020

Yeung, N.W., **J. Slapcinsky**, J.R. Kim, D.R. Sischo and K.A. Hayes. The last of the Endodonta. 86<sup>th</sup> American Malacological Society Annual Meeting, 13-14 July 2020.

**Yeung, N.W.**, J. Slapcinsky, E.E. Strong, J.R. Kim, and K.A. Hayes. A 100-year journey from discovery to description: A Hawaiian land snail finally gets its name. 86<sup>th</sup> American Malacological Society Annual Meeting, 13-14 July 2020.

Meyer III, W.M., K.A. Hayes, **N.W. Yeung**, J.R. Kim and R.H. Cowie. Distributions of non-native terrestrial molluscs within and among Hawaiian Islands: Implications for statewide management. 8<sup>th</sup> American Malacological Society Annual Meeting, 13-14 July 2020.

**Hobbs, C.A.**, N.W. Yeung and K.A. Hayes. Species delineation in highly threatened Hawaiian land snails (Achatinellidae: *Auriculella*) using geometric morphometrics. 86<sup>th</sup> American Malacological Society Annual Meeting, 13-14 July 2020.

**Goulding, T.C.**, N.W. Yeung and K.A. Hayes. Investigating Species Diversity and Endemism in Hawaiian Microsnails (Stylommatophora: Achatinellidae: Pacificellinae). World Congress of Malacology, Pacific Grove, CA. 11-16 August 2019.

**Yeung, N.W.**, J. Slapcinsky, E.E. Strong and K.A. Hayes. From Three to Ten Species: High Cryptic Diversity Among Hawaiian Tornatellinae. World Congress of Malacology, Pacific Grove, CA. 11-16 August 2019.

**Hobbs, C.S.**, N.W. Yeung and K.A. Hayes. Extraction of Shell DNA to Inform Conservation Biology. World Congress of Malacology, Pacific Grove, CA. 11-16 August 2019. Awarded Best Poster.

**Evans, L.M.**, N.W. Yeung and K.A. Hayes. The use of scientific illustration in educational outreach, research, and conservation. 84th American Malacology Society and 51st Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018. Awarded Best Poster for High School/Undergraduate Student.

- Kalahiki, C.,** Hayes, K.A. and N.W. Yeung. Historical geographic distributions of *Auriculella* (Achatinellidae), *Catinella* (Succineidae), *Succinea* (Succineidae) species on Maui. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018. Awarded Honorable Mention Poster for High School/Undergraduate Student.
- Kim, J.R.,** N.W. Yeung and K.A. Hayes. Rat lungworm intermediate hosts in Hawaii: identification and distribution. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Kong, R.,** K.A. Hayes and N.W. Yeung. Historical distributions of *Auriculella* spp. and *Elasmias* spp. (Achatinellidae) on the Island of Oahu, Hawaii. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Meyer III, W.M.,** K.A. Hayes, N.W. Yeung, and R.H. Cowie. Island Hopping: evidence for rapid and widespread movement of non-native snails and slugs across the Hawaiian Archipelago. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Norman, E.A.,** T.C. Goulding, T.C., N.W. Yeung and K.A. Hayes. Distribution of non-native slugs in the Hawaiian Islands. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Yeung, N.W.,** R.H. Cowie, J.R. Kim, C.C. Christensen and K.A. Hayes. Fifty-two species and counting - invasive terrestrial snails in Hawaii. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Yeung, N.W.,** E.E. Strong, J. Slapcinsky, B.S. Holland, R.C. Cowie and K.A. Hayes. Phylogenetics and biogeography informing conservation of Hawaiian Achatinellidae. 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Goulding, T.C.,** N.W. Yeung and K.A. Hayes. Molecular systematics of the Hawaiian Pacificellinae (Stylommatophora: Achatinellidae). 84<sup>th</sup> American Malacology Society and 51<sup>st</sup> Western Society of Malacologists Annual Meeting 2018, Honolulu, HI. 19-23 June 2018.
- Meyer III, Wallace,** N.W. Yeung and K.A. Hayes. Rapoport's rule as a tool for understanding distributions of non-native species on tropical islands in multiple ecological contexts. 50<sup>th</sup> Annual meeting of the Western Society of Malacologists, Los Angeles, CA. 19-23 June 2017.
- Yeung, N.W.** and K.A. Hayes. Housing, Databasing, Digitizing and Accessibility Upgrades to the Bishop Museum Malacology Land Snail Collection. 18th Mid-Atlantic Malacologists Meeting, National Museum of Natural History, Washington D.C. 8 April 2015.
- Hayes, K.A.** and N.W. Yeung. Two for the Price of One: Taxonomy of a Failed Biocontrol. 17th Mid-Atlantic Malacologists Meeting, Delaware Museum of Natural History, Wilmington, DE. 7 March 2015.
- Yeung, N.W.** and K.A. Hayes. Systematics of the Hawaiian Succineidae. 17th Mid-Atlantic Malacologists Meeting, Delaware Museum of Natural History, Wilmington, DE. 7 March 2015.
- Hayes, K.A.,** N.W. Yeung, K. Leung, D.T.A. Gary, D.T.B. Ressler, J. Slapcinsky and R.H. Cowie. Hawaiian land snail biodiversity: Systematics, phylogenetics and conservation status of a vanishing fauna. Island Biology 2014, Honolulu, HI, USA. 7-11 July 2014.



Meyer III, W.M., N.W. Yeung, **J.S. Slapcinsky** and K.A. Hayes. Two for the price of one: inadvertent introduction of cryptic *Euglandina* species during failed biocontrol efforts in Hawaii. Island Biology 2014, Honolulu, HI, USA. 7-11 July 2014.

**Yeung, N.W.**, E.E. Strong, B.S. Holland, R.H. Cowie, J. Slapcinsky and K.A. Hayes. Systematics of the highly threatened Hawaiian Achatinellidae. Island Biology 2014, Honolulu, HI, USA. 7-11 July 2014.

**Gary, D.T.A.**, N.W. Yeung, J. Slapcinsky and K.A. Hayes. Biogeography and diversity of Hawaiian Helicarionidae. Island Biology 2014, Honolulu, HI, USA. 7-11 July 2014.

**Leung, K.**, N.W. Yeung and K.A. Hayes. The phylogenetics, conservation status and distribution of the imperiled Hawaiian Helicinidae land snails. Island Biology 2014, Honolulu, HI, USA. 7-11 July 2014.

**Hayes, K.A.**, N.W. Yeung, K. Leung, D.T.A. Gary, D.T.B. Ressler, J. Slapcinsky and R.H. Cowie. Hawaiian land snail biodiversity: Systematics, phylogenetics and conservation status of a vanishing fauna. Mollusca 2014, Mexico City, Mexico. 22-27 June 2014.

**Yeung, N.W.**, E.E. Strong, J. Slapcinsky, B.S. Holland, R.H. Cowie and K.A. Hayes. Remnants of the Hawaiian Achatinellidae: Systematic of a highly threatened family. Mollusca 2014, Mexico City, Mexico. 22-27 June 2014.

**Yeung, N.W.**, R.H. Cowie, D.T.B. Ressler, K.A. Hayes and E.E. Strong. Type catalog of the Hawaiian land snails at the Smithsonian Institution, National Museum of Natural History. Mollusca 2014, Mexico City, Mexico. 22-27 June 2014.

**Gary, D.T.A.**, N.W. Yeung, J. Slapcinsky, R.H. Cowie and K.A. Hayes. Biogeography and diversity of Hawaiian Helicarionidae: Origins and colonization patterns in the Hawaiian Islands. Mollusca 2014, Mexico City, Mexico. 22-27 June 2014.

**Hayes, K.A.** and N.W. Yeung. Hawaiian land snail conservation. 16th Mid-Atlantic Malacologists Meeting, Delaware Museum of Natural History, Wilmington, DE. 29 March 2014.

**Yeung, N.W.**, T.H. Durkan, W.M. Meyer III, R.H. Cowie and K.A. Hayes. Evaluating land snail sampling techniques: To sieve or not to sieve? 16th Mid-Atlantic Malacologists Meeting, Delaware Museum of Natural History, Wilmington, DE. 29 March 2014.

**Leung, K.**, N.W. Yeung and K.A. Hayes. A preliminary phylogeny and biodiversity assessment of the Hawaiian Helicinidae. World Congress of Malacology, Ponta Delgada, Azores. 21-28 July 2013.

Yeung, N.W., **K. Leung**, D.A. Gary, D.T.B. Ressler, R.H. Cowie and K.A. Hayes. Hawaiian land snail biodiversity: Systematics, phylogenetics and conservation status of a vanishing fauna. World Congress of Malacology, Ponta Delgada, Azores. 21-28 July 2013

**Yeung, N.W.**, K.A. Hayes, W.M. Meyer III, C.T. Tran, J.R. Kim, T.J. Skelton and R.H. Cowie. Searching high and low: Alien snails and slugs in the horticultural industry of Hawaii. World Congress of Malacology, Phuket, Thailand. 18-24 July 2010.

**Kim, J.R.**, K.A. Hayes, N.W. Yeung and R.H. Cowie. Invasive veronicellid slugs in the main Hawaiian Islands. World Congress of Malacology, Phuket, Thailand. 18-24 July 2010.

**Yeung, N.W.** The stuffed, the molted, and the freshly dead: systematics, phylogeography and morphometrics (SPaM) of the White Tern. Zoology-Botany Seminar, University of Hawaii at Manoa. March 2010.

**Yeung, N.W.** Better living through chemistry: non-invasive sampling techniques for the study of diet, relationships and population genetics of the White Tern. Evolunch Seminar, University of Hawaii at Manoa. March 2010.

**Kim, J.R.,** K.A. Hayes, N.W. Yeung and R.H. Cowie. The prevalence of *Angiostrongylus cantonensis* in the Main Hawaiian Islands. 17th annual Hawaii Conservation Conference 28-30 July 2009.

**Yeung, N.W.,** K.A. Hayes, C.T. Tran, J.R. Kim, T.J. Skelton, W.M. Meyer and R.H. Cowie. Introduction, spread and impacts of alien snails and slugs in Hawai'i. 17th annual Hawaii Conservation Conference 28-30 July 2009.

**Cowie, R.H.,** K.A. Hayes, W.M. Meyer, C.T. Tran, J.R. Kim, T.S. Skelton and N.W. Yeung. Introduction pathways, spread and impacts of snails and slugs in Hawaii. 2nd Annual Pacific Biosciences Research Center's Symposium on Biodiversity, 7 May 2009.

**VanderWerf, E.A.,** L.C. Young, N.W. Yeung, and D.B. Carlon. Stepping Stone Speciation in Hawaii's Flycatchers: Molecular Divergence Supports New Island Endemics Within the 'Elepaio. 17<sup>th</sup> Hawaii Conservation Conference. 2009.

**Yeung, N.W.** Phylogenetics of the non-achatinelline Achatinellidae: the other "handsomely colored" tree snails of Hawaii. 75<sup>th</sup> American Malacological Society Meeting. 2009.

**Yeung, N.W.** Ecology, Evolution, and Conservation Biology: Tales from a Feather as Told by the White Tern (*Gygis alba*) and Additional Short Stories From the Foot of a Snail. Smithsonian Institution National Museum of Natural History Weekly Zoology Seminar. 2009.

**VanderWerf, E.A.,** L.C. Young, N.W. Yeung, and D.B. Carlon. Conveyor Belt Speciation in Hawaii's Flycatchers: molecular divergence supports new island endemics within the elepaio. 79<sup>th</sup> Cooper Ornithology Society Meeting. 2009.

**Yeung, N.W.,** S. Conant, W.M. Meyer III. Understanding Genetic Variation in Pacific Populations of the White Tern (*Gygis alba*). 35<sup>th</sup> Annual Meeting of the Pacific Seabird Group, Blaine, Washington. 2008.

**Gupta, A., K. Tice, D. Barshis, M.L. Knope, H. Spalding, and N.W. Yeung.** Cooking Up Creative Science. Evolunch Seminar, University of Hawaii at Manoa, Honolulu, HI. 2007.

**Yeung, N.W.** One Fairy, Two Fairy, Three Fairy-Tern: assessment of the Pacific subspecies of *Gygis alba*. 3rd Biennial Systematics and Phylogenetics Student Research Symposium, Honolulu, HI. 2007.

**Yeung, N.W.** The Feather Dance: genetic variation in the White Tern (*Gygis alba*). 33rd Annual Tester Memorial Symposium, Honolulu, HI. 2007.

**Yeung, N.W.,** K. Tice, M. Parker, M.L. Knope, L. Dewan, and J. Philippoff. An Archipelago of Opportunities; Teaching Science through Inquiry. Evolunch Seminar, University of Hawaii at Manoa, Honolulu, HI. 2007



**Yeung, N.W.**, E.A. VanderWerf, and L.C. Young. Population Genetics of the White Tern in the Pacific. 5th Annual Hawaii Chapter of The Wildlife Society Workshop: Seabird Conservation & Management in the Hawaiian Islands, Honolulu, Hawaii. 2006.

**Yeung, N.W.**, E.A. VanderWerf, and L.C. Young. Whither the White Tern... Population Genetics, Systematics and Distribution. 4th North American Ornithological Conference, Veracruz, Mexico. 2006.

Duffy, D.C., S. Conant, S.F. Dunbar, **N.W. Yeung**, J.M. Hawee, W.A. Kuntz, S.M. Plentovich, K.L. Krend, V.K. Stein, K.R. Buholm, H.L. Spalding, M. Parker, M.L. Dailer, and L.E. Kozloff. Can Plan or No Can Plan? Review of Natural Resource Management Planning in Hawaii. 14th Hawaii Conservation Conference. 2006.

**Yeung, N.W.**. Oral Presentation. Whither the White Tern... Population Genetics, Systematics and Distribution. 32nd Annual Tester Memorial Symposium, Honolulu, HI. 2006.

**Baumgartner, E., L. Dewan, M. Knope, M. Parker, J. Philippoff, K. Tice, and N. Yeung.** Teaching Science as Inquiry with the University of Hawaii GK-12 Program. Hawaii Science Teachers Association Fall Conference. 2006.

**Tomlinson, M.S.**, E.H. De Carlo, V.L. Beltran, S. Narod, V. Todd, and N.W. Yeung. The DGT--A Device for Measuring Dissolved Trace Elements in Fresh and Ocean Water? 2002 AGU/Ocean Sciences Meeting, Honolulu, HI. 2002.

## RESEARCH AND STATEMENT

In the footsteps of great minds like Thomas H. Huxley, I am interested in trying “to learn something about everything and everything about something.” My current research interests are focused on understanding Pacific Island land snail diversity and distribution using an integrative systematic and collection-based approach. Informal science education is also central to my research and career goals. As an educator of science, policy and management, I integrate research and environmental education curricula to bridge the gap between science and public outreach and to better focus contemporary conservation issues.

## PEDAGOGICAL TRAINING

Facilitator for the Howard Hughes Medical Institute and the National Academies Summer Institute on Scientific Teaching. 22-27 July 2013. Honolulu, HI, USA

Faculty Institutes for Reforming Science Teaching (FIRST IV) postdoctoral fellow: A NSF-funded training program and national network for science educators to provide biology faculty long-term professional development in learner centered teaching approaches.

## TEACHING ACTIVITIES

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|-----------|--|
| 2014-2021 | Guest lecturer for Natural History of the Hawaiian Islands (ZOOL 450), Department of Zoology, University of Hawaii                                 |
| 2013      | Biology and Society (BIO 101), Department of Biology, University of Hawaii   |
| 2012      | Evolution for Everyone (Honors 291B), Honors Program, University of Hawaii   |
| 2011-2012 | Faculty Institutes for Reforming Science Teaching (FIRST IV) postdoctoral fellow. The FIRST program (funded by NSF) is a national network aimed at |

providing professional development for biology faculty in learner centered and inquiry-based approaches. All fellows participate in multiple workshops that focus on pedagogical techniques, teaching strategies, science curriculum development, course enrichment, inquiry based teaching, and professional development. I am one of five postdoctoral fellows on a team designing and teaching a non-majors biology course titled Biology Across Disciplines: Advancing Science in Society that is taught at each of the home institutes of the fellows. Our course is designed using scientific teaching principles with a foundation of learning modules developed through backwards design.

- 2011 Introduction to Research (Honors 495), Honors Program, University of Hawaii
- 2011 Guest lecturer for HON 491 (Conservation Biology), University of Hawaii (Topic: Conservation Genetics Applications)
- 2011 Guest lecturer for LLEA 270 (Freaks and Monsters; Monsters, Freaks and Otherness in Literature, Film, History and Medicine. Department of Languages and Literatures of Europe and the Americas, University of Hawaii)
- 2007 Organized and co-taught Population Genetics Primer. Department of Zoology, University of Hawaii
- 2006 Organized and co-taught Graduate Level Molecular Systematics/Ecology Primer. Department of Zoology, University of Hawaii
- 2006-2008 NSF GK-12 Teaching Fellow. University of Hawaii, Lyon Arboretum, University Laboratory School and Hokulani Elementary School. As a fellow, we were involved in creating inquiry-based science curriculum and taught students and science educators to actively learn science.
- 2007 Graduate teaching assistant for Biometry. University of Hawaii, Department of Zoology
- 2005 Graduate teaching assistant for Advanced Topics in Conservation and Environmental Biology. University of Hawaii, Department of Zoology
- 2004-2006 Graduate teaching assistant for Monsters, Freaks and Otherness in Literature, Film, History and Medicine, Department of Languages and Literatures of Europe and the Americas, University of Hawaii

### **OUTREACH ACTIVITIES**

- 2015-present Hawaiian Land Snail Taxonomic Workshop for various Hawaii conservation agencies (e.g. USFWS, DLNR, TNC). Honolulu, HI, USA
- 2015, 2019 Hawaiian Land Snail Conservation Updates for Snail Extinction Prevention Program. Honolulu, HI, USA
- 2015 Guest speaker on Hawaiian Land Snail Conservation for Punahou School (5<sup>th</sup> grade), Honolulu, HI, USA.
- 2015 Led outreach and survey of Hawaiian land snails (National Geographic Bioblitz: Hawaii Volcanoes National Park, HI, USA)



- 2014 Organizer and presenter for the Hawaiian Land Snail Seminar: Native and Invasive Terrestrial Snails in Hawaii (Sponsored by Maui Land and Pineapple Company - Puu Kukui Watershed Preserve, HI, USA)
- 2013 Facilitator for the Howard Hughes Medical Institute and the National Academies Summer Institute on Scientific Teaching. 22-27 July 2013. Honolulu, HI, USA
- 2013 Guest speaker on Hawaiian Land Snail Conservation and Identification (Pu’u Kukui Watershed, HI, USA)
- 2013-2018 Malacological Collection Presenter (Annual Science Alive! Family Sunday - Bernice Pauahi Bishop Museum, HI, USA)
- 2013 Guest speaker on Hawaiian Land Snail Biodiversity (Nature Conservancy, Kauai, HI, USA)
- 2012 Guest speaker on Hawaiian Land Snail Biodiversity (Brown Bag Presentation Department of Land and Natural Resources Division of Forestry and Wildlife, Honolulu, HI, USA)
- 2012 Guest Speaker on Conservation Status of Hawaiian Land Snail and How to Identify Non-native “Slugs” in Hawaii (Plant Extinction Prevention Program, HI, USA)
- 2012 Guest speaker for Kamehameha Schools, HI, USA (Elementary School Teachers)
- 2012 Guest speaker Land Snail Survey Techniques and Conservation of Hawaiian Land Snails (Hawaii Malacological Society, HI, USA)
- 2008 Guest instructor/systematics guide for Punahou BioBlitz (7-9 graders)
- 2008 Teaching science as inquiry workshop for Maui Economic Development Board, Women in Technology Project at University of Hawaii. In this workshop, we created and provided science inquiry-based activities to Maui science teachers. We demonstrated inquiry teaching and learning in action
- 2008, 2011 Hawaii State Science and Engineering Fair, Judge
- 2007-2011 Guest speaker for Lyon Arboretum Education Program, University of Hawaii, HI, USA  
(Topics: Interdependence, Forest birds)
- 2007 Guest speaker for Picturing Science Workshop at Hanauma Bay, HI, USA

**MENTORING**

University of Hawaii and Bishop Museum High School Interns: A. Cook (2016), K. Nagamine (2016-2017), K. Dulan (2016-2017), L. Evans (2016-2019), C. Kaniho (2016-2019), K. Chan III (2016-2019), C. Kalahiki (2016-2019), J. Frank (2017-2019), N. Blaisdell (2018-2019), H. Leung (2018), F. Leung (2018), A. Okinaka (2020 – Present), T. Okinaka (2020-Present), M. Morales (2020-Present)

Undergraduate Students: D. Ressler (2011-2014), T.H. Durkan (2011-2012), A. Kong (2011-2013), D.A. Gary (2012- 2013), B. Wilson (2012), J. Leon (2012-2013), E.J. Rogers (2012-2013), E. Yokote (2013-2014), D. Dailey

(2013-2014), J. Parvey (2013-2014), L. Hutchins (2014), M. Liebergesell (2015), S. Rind (2015) K. VanPutten (2015) J. Turner (2015-Present), C. LeCavalier (2015-2017), K. Lacteon (2017-Present), Y. Takeda (2017-Present), R. Kong (2017-2019), J. Wisniewski (2017-2018), J. Zheng (2018-2019), G. Rogers (2019), T. Maruno (PIPES, 2019), A. Hach (KUPU, 2020), S. Egger (KUPU, 2020), A. Huang (KUPU, 2020-Present)

Graduate Students: J.R. Kim (MS; 2009-2013), P.A. Curry (MS; 2010-2013), K. Leung (MS, 2013-2015), D.A Gary (MS; 2013-2015), R. Sommers (MS; 2016-2019), T. Maruno (MS; 2019-Present)

Postdoctoral Researcher: T. Goulding (2018-Present), C. Hobbs (2019-Present), C. Earl (2020-Present)

Volunteers: A. Nishimoto (2015-2016), R. Rae (2015-2016), T. Takemura (2015-Present), J. Miyashiro (2016), K. Chee (2016), I. Niethammer (2017), J. Lee (2017-Present), J. Hanapi-Daog (2017-2018), D. Tully (2017-2018), C. Brooke (2020-Present), S. Shizuru (2020-Present), S. Chang (2020-Present), J. Kealoha (2020-Present)

### **PROFESSIONAL SERVICE**

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|--------------|---|
| 2020         | National Science Foundation Panel Reviewer  |
| 2019         | Associate Editor for Biological Invasion Records  |
| 2018         | American Malacological Society President and organizer for the 84 <sup>th</sup> American Malacological Society Meeting, Honolulu HI                 |
| 2015         | Co-Organizer of Pacific Island Land Snail Symposium at 81st American Malacological Society Meeting, Pellston, MI                                    |
| 2013         | Faculty facilitator for the Howard Hughes Medical Institute and National Academies Summer Institute on Scientific Teaching                          |
| 2011-Present | Reviewer for Aquatic Invasions, Biological Invasions, Ibis, Wilson Journal of Ornithology, Journal of Parasitology, American Malacological Bulletin |
| 2005-2006    | Graduate student representative University of Hawaii, Department of Zoology   |

### **PROFESSIONAL AFFILIATIONS**

American Malacological Society, Society for Integrative and Comparative Biology, Unitas Malacologica, Pacific Seabird Group, American Ornithologists' Union, Society for the History of Natural History, American Association for the Advancement of Science