

**THOMAS F. DUDA, JR.**  
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## Education

- 1996-1999 HARVARD UNIVERSITY  
Ph.D., September 1999. Organismic and Evolutionary Biology.  
Advisor: Stephen R. Palumbi
- 1993-1996 UNIVERSITY OF HAWAI'I AT MĀNOA  
Graduate program in the Department of Zoology.  
Advisor: Stephen R. Palumbi
- 1989-1992 SAN FRANCISCO STATE UNIVERSITY  
M.A., December 1992. Department of Biology.  
Advisor: Thomas M. Niesen
- 1985-1988 TEXAS A&M UNIVERSITY AT GALVESTON  
B.S., December 1988. Department of Marine Biology.
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## Academic & Research Positions

- 2010-present ASSOCIATE PROFESSOR OF ECOLOGY AND EVOLUTIONARY BIOLOGY; UNIVERSITY OF MICHIGAN
- 2010-present ASSOCIATE CURATOR OF MOLLUSCS; UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, MOLLUSK DIVISION.
- 2004-2010 ASSISTANT PROFESSOR OF ECOLOGY AND EVOLUTIONARY BIOLOGY; UNIVERSITY OF MICHIGAN
- 2004-2010 ASSISTANT CURATOR OF MOLLUSCS; UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, MOLLUSK DIVISION.
- 2004-present RESEARCH ASSOCIATE; SMITHSONIAN TROPICAL RESEARCH INSTITUTE.  
Three-year scholarly affiliation with STRI; reappointed in 2007.
- 2003-2004 POSTDOCTORAL RESEARCH ASSOCIATE; UNIVERSITY OF WASHINGTON.
- 1999-2002 TUPPER FELLOW; SMITHSONIAN TROPICAL RESEARCH INSTITUTE.
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## Publications (\*=graduate student in Duda Lab, \*\*=undergraduate student in Duda Lab)

- Lawler\*\*, A.J., **Duda, Jr., T.F.** 2017. Molecular and morphometric data suggest the presence of a neglected species in the marine gastropod family Conidae. *Molecular Phylogenetics and Evolution*. 109:421-429.
- Chang\*, D., **Duda, T.F., Jr.** 2016. Age-related association of venom gene expression and diet of predatory gastropods. *BMC Evolutionary Biology* 16:27.

- Chang\*, D., Olenzek\*\*, A.M., **Duda, T.F., Jr.** 2015. Effects of geographic heterogeneity in species interactions on the evolution of venom genes. *Proceedings of the Royal Society of London, Series B, Biological Sciences* [in press].
- Weese, D.A., **Duda, T.F., Jr.** 2015. Transcriptomic resources for three populations of *Conus miliaris* (Mollusca: Conidae) from Easter Island, American Samoa and Guam. *Mol. Ecol. Res.* 15:228–229.
- Moore\*, A.C., Burch, J.B., **Duda, T.F., Jr.** 2015. Recognition of a highly restricted freshwater snail lineage (Physidae: *Physella*) in southeastern Oregon: Convergent evolution, historical context, and conservation considerations. *Conservation Genetics* 16:113-123.
- Puillandre, N., Bouchet, P., **Duda, T.F., Jr.**, Kaufenstein, S., Kohn, A.J., Olivera, B.M., Watkins, M., Meyer, C. 2014. Molecular phylogeny and evolution of the cone snails (Gastropoda, Conoidea). *Molecular Phylogenetics and Evolution* 78:290-303.
- Puillandre, N., **Duda, T.F., Jr.**, Meyer, C., Olivera, B.M., Bouchet, P. One, four or 100 genera? Classification of the cone snails. *Journal of Molluscan Studies* [in press; published online 5 September 2014].
- Chang, D.\*, **Duda, T.F., Jr.** 2014. Application of community phylogenetic approaches to understand gene expression: differential exploration of venom gene space in predatory marine gastropods. *BMC Evolutionary Biology* 14:123 [Highly accessed].
- Chang, D.\*, **Duda, T.F., Jr.** 2012. Extensive and continuous duplication facilitates rapid evolution and diversification of gene families. *Molecular Biology and Evolution* 29:2019-2029.
- **Duda, T.F., Jr.**, Terbio, M.\*\*, Chen, G., Phillips, S.\*, Olenzek, A.M.\*\*, Chang, D.\*, Morris, D.W\*\*. 2012. Patterns of population structure and historical demography of *Conus* species in the tropical Pacific. *American Malacological Bulletin* 30:175-187.
- Gilly, W.F., Richmond, T.A., **Duda, T.F., Jr.**, Elliger, C., Lebaric, Z., Schulz, J., Bingham, J.P., Sweedler, J.V. 2011. A diverse family of novel peptide toxins from an unusual cone snail, *Conus californicus*. *Journal of Experimental Biology* 214:147-161.
- **Duda, T.F., Jr.**, Kohn, A.J., Matheny, A.M. 2009. Cryptic species differentiated in *Conus ebraeus*, a widespread tropical marine gastropod. *Biological Bulletin* 217:292-305.
- **Duda, T.F., Jr.**, Chang\*, D., Lewis\*\*, B.D., Lee, T. 2009. Geographic variation in venom allelic composition and diets of the widespread predatory marine gastropod *Conus ebraeus*. *PLoS ONE* 4(7):e6245.
- **Duda, T.F., Jr.**, Lee, T. 2009. Ecological release and venom evolution of a predatory marine snail at Easter Island. *PLoS ONE* 4(5):e5558.
- **Duda, T.F., Jr.**, Lee, T. 2009. Isolation and population divergence of a widespread Indo-West Pacific marine gastropod at Easter Island. *Marine Biology* 156:1193-1202.
- **Duda, T.F., Jr.**, Lessios, H.A. 2009. Connectivity of populations within and between major biogeographic regions of the tropical Pacific in *Conus ebraeus*, a widespread marine gastropod. *Coral Reefs* 28:651-659.

- **Duda, T.F., Jr.** 2008. Differentiation of venoms of predatory marine gastropods: divergence of orthologous toxin genes of closely related *Conus* species with different dietary specializations. *Journal of Molecular Evolution* 67:315-321.
- **Duda, T.F., Jr.**, Bolin, M.B.\*, Meyer, C.P., Kohn, A.J. 2008. Hidden diversity in a hyperdiverse gastropod genus: discovery of previously unidentified members of a *Conus* species complex. *Molecular Phylogenetics and Evolution* 49:867-876.
- Williams, S.T., **Duda, T.F., Jr.** 2008. Did tectonic activity stimulate Oligo-Miocene speciation in the Indo-West Pacific? *Evolution* 62:1618-1634.
- **Duda, T.F., Jr.**, Remigio, E.A. 2008. Variation and evolution of toxin gene expression profiles of six closely related venomous marine snails. *Molecular Ecology* 17:3018-3032.
- Remigio, E.A., **Duda, T.F., Jr.** 2008. Evolution of ecological specialization and venom of a predatory marine gastropod. *Molecular Ecology* 17:1156-1162.
- Cortés-Ortiz, L., **Duda, Jr., T.F.**, Canales-Espinosa, D., García-Orduña, F. Rodríguez-Luna, E., Bermingham, E. 2007. Hybridization in large-bodied New World primates. *Genetics* 176:2421-2425.
- **Duda, T.F., Jr.**, Rolán, E. 2005. Explosive radiation of Cape Verde *Conus*, a marine species flock. *Molecular Ecology* 14:267-272.
- **Duda, T.F., Jr.**, Kohn, A.J. 2005. Species-level phylogeography and evolutionary history of the hyperdiverse marine gastropod genus *Conus*. *Molecular Phylogenetics and Evolution* 34:257-272. [Among ScienceDirect.com's Top 25 "Hottest Articles" in agricultural and biological sciences subject area in *Molecular Phylogenetics and Evolution*]
- **Duda, T.F., Jr.**, Palumbi, S.R. 2004. Gene expression and feeding ecology: evolution of piscivory in the venomous gastropod genus *Conus*. *Proceedings of the Royal Society of London, Series B, Biological Sciences* 271:1165-1171
- **Duda, T.F., Jr.**, Bingham, J-P., Livett, B.G., Kohn, A.J., Raybaudi Massilia, G., Schultz, J.R., Down, J., Sandall, D., Sweedler, J.V. 2004. How much at risk are cone snails? *Science* 303:955-957.
- Kohn, A.J. **Duda, T.F., Jr.** 2004. Hyperdiverse genera: Macroevolutionary and macroecological perspectives on tropical marine superclades. *Integrative and Comparative Biology* 44(6):585 [abstract].
- **Duda, T.F., Jr.**, Vanhoye, D., Nicolas, P. 2002. Roles of diversifying selection and coordinated evolution in the evolution of amphibian antimicrobial peptides. *Molecular Biology and Evolution* 19:858-864.
- Kohn, A.J. **Duda, T.F., Jr.** 2002. Genetic, morphological and ecological differentiation in *Conus ebraeus*, a Pan-Indo-Pacific zoogeographic species. *Integrative and Comparative Biology* 42(6):1259 [abstract].
- **Duda, T.F., Jr.**, Kohn, A.J., Palumbi, S.R. 2001. Origins of diverse feeding ecologies within *Conus*, a genus of venomous marine gastropods. *Biological Journal of the Linnean Society* 73:391-409.

- **Duda, T.F., Jr.**, Palumbi, S.R. 2000. Evolutionary diversification of multi-gene families: allelic selection of toxins in predatory cone snails. *Molecular Biology and Evolution* 17:1286–1293.
- **Duda, T.F., Jr.**, Palumbi, S.R. 1999. Developmental shifts and species selection in gastropods. *Proceedings of the National Academy of Sciences USA* 96:10272-10277.
- **Duda, T.F., Jr.**, Palumbi, S.R. 1999. Molecular genetics of ecological diversification: duplication and rapid evolution of toxin genes of the venomous gastropod *Conus*. *Proceedings of the National Academy of Sciences USA* 96:6820-6823.
- **Duda, T.F., Jr.**, Palumbi, S.R. 1999. Population structure of the black tiger prawn, *Penaeus monodon*, among western Indian Ocean and western Pacific populations. *Marine Biology* 134:705-710
- France, S.C., Tachino, N., **Duda, T.F., Jr.**, Shleser, R.A., Palumbi, S.R. 1999. Intraspecific genetic diversity in the marine shrimp *Penaeus vannamei*: multiple polymorphic elongation factor-I alpha loci revealed by intron sequencing. *Marine Biotechnology* 1:261-268.
- Palumbi, S.R., Grabowsky, G., **Duda, T.**, Geyer, L., Tachino, N. 1997. Speciation and population genetic structure in tropical sea urchins. *Evolution* 51(5):1506-1517.
- **Duda, T.F., Jr.** 1995. The evolution of diet in *Conus*. *Pacific Science* 50:239 (Abstract).
- **Duda, T.F., Jr.** 1994. Genetic population structure of the recently introduced Asian clam, *Potamocorbula amurensis*, in San Francisco Bay. *Marine Biology* 119:235-241.

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## Theses

- Ph.D. Dissertation: Evolution of life histories, diets and toxins in the venomous gastropod *Conus*.
- M.A. Thesis: The genetic population structure of *Potamocorbula amurensis* in San Francisco Bay.

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## Recent Presentations

(\*=graduate student in Duda Lab, \*\*=undergraduate student in Duda Lab, †=presenter if not first author)

- Cerda\*, P.A., **Duda, T.F., Jr.** Hybridization and introgression in cone snails. Annual Meeting of American Malacological Society, Ensenada, Mexico. 2016.
- Lee, T., **Duda, T.F., Jr.**, Haponski, A., Ó Foighil, D. Digitizing Molluskan biodiversity at the University of Michigan Museum of Zoology (UMMZ). Annual Meeting of American Malacological Society, Ensenada, Mexico. 2016.
- Cerda\*, P.A., **Duda, T.F., Jr.** Variation in venom gene family repertoires in populations of a cone snail. Annual Meeting of Society for the Study of Evolution, Texas, 2016.
- Wood\*, A. **Duda, T.F., Jr.** Predatory toolkits: impact of phylogeny and ecology on venom composition in *Conus*. Annual Meeting of Society for the Study of Evolution, Texas, 2016.
- Lee, T., **Duda, T.F., Jr.**, Haponski, A., Ó Foighil, D. Digitizing Molluskan biodiversity at the University of Michigan Museum of Zoology (UMMZ). Annual Meeting of Society for the

Study of Evolution, Texas, 2016.

- Lee, T., **Duda, T.F., Jr.** Great Lakes Invasives TCN: Documenting the occurrence of invasive molluscs threatening the Great Lakes Basin. Annual Meeting of the American Malacological Society, UM Biological Station, 2015.
- Lawler\*\*, A., **Duda, T.F., Jr.** Molecular and morphometric data suggest the presence of a neglected species in the marine gastropod genus *Conus*. Annual Meeting of the American Malacological Society, UM Biological Station, 2015.
- Wood\*, A., Lawler\*\*, A., **Duda, T.F., Jr.** Differentiation of olfactory receptor genes of *Conus* species from different dietary guilds. Annual Meeting of the American Malacological Society, UM Biological Station, 2015.
- Cerda\*, P.A., **Duda, T.F., Jr.** Effect of high gene turnover on intraspecific variation of a venom gene family composition in *Conus*. Annual Meeting of the American Malacological Society, UM Biological Station, 2015.
- Weese, D., **Duda†, T.F., Jr.** Effects of predator-prey interactions on genetic and phenotypic divergence. Mollusca 2014 (joint meeting of the American Malacological Society), Mexico City.
- Lawler\*\*, A., **Duda, T.F., Jr.** Molecular data suggest the presence of a neglected species in the marine gastropod genus *Conus*. Mollusca 2014 (joint meeting of the American Malacological Society), Mexico City.
- Weese, D., **Duda, T.F., Jr.** Transcriptome analyses and differential gene expression in the cone snail *Conus miliaris*: Effects of predator-prey interactions on venom evolution. Annual Meeting of Society for the Study of Evolution, North Carolina, 2014.
- **Duda, T.F., Jr.** Individual and population level dietary breadth of *Conus miliaris* at Easter Island. World Congress of Malacology, Açores, 2013.
- Chang\*, D., Olenzek\*\*, A.M., **Duda†, T.F., Jr.** Geographic mosaics in biotic interactions drive evolution: patterns of variation of venom genes tightly associated with prey diversity. Annual Meeting of the American Malacological Society, Philadelphia, 2012. Invited participation in symposium.
- **Duda, T.F., Jr.** Geographic variation in diets of three broadly distributed *Conus* species in the Indo-West Pacific. Annual Meeting of the American Malacological Society, Pittsburgh, 2011.
- Chang\*, D., **Duda, T.F., Jr.** Extensive and continuous gene duplication contributes to rapid evolution and diversification of gene families. Annual Meeting of Society for the Study of Evolution, Oklahoma, 2011.
- Phillips\*, S., **Duda, T.F., Jr.** At the interface of species interactions: Evolution of voltage-gated sodium channels of polychaetes, targets of *Conus* venoms. Annual Meeting of Society for the Study of Evolution, Oklahoma, 2011.
- **Duda, T.F., Jr.** Evolutionary responses to predator-prey relationships. Case Western Reserve University, 2011. Invited seminar presentation.
- **Duda, T.F., Jr.** Evaluating phylogenies and species boundaries in *Conus* with molecular

sequence data. Invited presentation, First International Cone Meeting, Staatliches Museum Für Naturkunde Stuttgart, Stuttgart, Germany, 2010. Invited plenary address.

- Chang\*, D., **Duda, T.F., Jr.** Birth, death, diversification and differential expression of conotoxin gene families of vermivorous marine snails *Conus*. World Congress of Malacology, Phuket, Thailand, 2010.
- Lee, T., **Duda, T.F., Jr.** Ecological release and venom evolution of a predatory marine snail at Easter Island. World Congress of Malacology, Phuket, Thailand, 2010.
- Chen, G., Chang, D.\*, **Duda, T.F., Jr.** Geographic variation and population genetics of conotoxin genes in a widespread predatory snail species. Annual Meeting of Society for the Study of Evolution, Portland, 2010.
- **Duda, T.F., Jr.**, Terbio, M., Chen, G., Phillips\*, S., Chang\*, D., Morris\*\*, D.W. Patterns of population structure and demography in *Conus*. Annual Meeting of the American Malacological Society, San Diego State University. Invited participation in symposium on Molluscan Biogeography: Perspectives from the Pacific Ocean, 2010.
- **Duda, T.F., Jr.** Simplifying a *Conus* species complex & Diversification of diets and venoms of *Conus*. Department of Marine and Wildlife Resources, Pago Pago, American Samoa, 2009.
- **Duda, T.F., Jr.**, Chang\*, D., Lewis\*\*, B.D., Lee, T. Geographic variation in venom allelic composition and diets of the widespread predatory marine gastropod *Conus ebraeus*. Annual Meeting of Society for the Study of Evolution, University of Idaho, 2009.
- **Duda, T.F., Jr.**, Lee, T. 2009. Ecological release and venom evolution of a predatory marine snail at Easter Island. Annual Meeting of Society for the Study of Evolution, University of Idaho, 2009.
- Chang, D.\*, **Duda, T.F., Jr.** Evolution and expression of conotoxin genes among closely related species of predatory marine gastropod *Conus*. Annual Meeting of the Society for Molecular Biology and Evolution, University of Iowa, 2009.
- **Duda, T.F., Jr.**, Bolin\*\*, M.B., Meyer, C.P., Kohn, A.J. Hidden diversity in a hyperdiverse gastropod genus: discovery of previously unidentified members of a *Conus* species complex. Annual Meeting of the American Malacological Society, Southern Illinois University, 2008.
- **Duda, T.F., Jr.** Differential expression and the differentiation of venoms of predatory gastropods. Annual Meeting of Society for the Study of Evolution, University of Minnesota, 2008.
- Williams, S.T., **Duda, T.F., Jr.** Did tectonic activity stimulate Oligo-Miocene speciation in the Indo-West Pacific? Annual Meeting of Society for the Study of Evolution, University of Minnesota, 2008.
- **Duda, T.F., Jr.** Evolution and diversification of venoms in *Conus*. University of Guam Marine Laboratory, Guam, 2008.
- **Duda, T.F., Jr.** Differentiation of *Conus* venoms. Field Museum of Natural History, Chicago, 2008.
- Meyer, C.P., **Duda, T.F., Jr.**, et al. A combinatorial phylogenetic analysis of Conoidea. World Congress of Malacology, Antwerp, Belgium, 2007.

- **Duda, T.F., Jr.** Differentiation of *Conus* venoms. Silliman University Institute of Environmental and Marine Science, Dumaguete, Philippines, 2007.
- **Duda, T.F., Jr.** Evolution of venoms and feeding ecologies of predatory marine snails. Society of Biology Students, University of Michigan, 2006.
- **Duda, T.F., Jr.** Roles of expression and allelic diversity on the differentiation of venoms of predatory marine snails. Department of Evolution, Ecology and Organismal Biology, Ohio State University, invited seminar, 2006.
- **Duda, T.F., Jr.** Differentiation of venoms among populations of predatory marine snails. Annual Meeting of Society for the Study of Evolution, University of Alaska, 2005.
- Kohn, A.J., Meyer, C.P., **Duda, T.F., Jr.** Species-level phylogeny and phylogeography of *Conus*: A progress report. Annual Meeting of the American Malacological Society, Monterey, CA, 2005.
- Kohn, A.J., **Duda, T.F., Jr.** Hyperdiverse genera: Macroevolutionary and macroecological perspectives on tropical marine superclades. Society for Integrative and Comparative Biology Meeting, San Diego, CA, 2005.
- Kohn, A.J., **Duda, T.F., Jr.** Generic hyperdiversity in time and space. American Malacological Society Meeting, Sanibel, FL, 2004.
- Kohn, A.J., **Duda, T.F., Jr.**, Anderson, T.R. Revisionary systematics of *Conus*. American Malacological Society Meeting, Sanibel, FL, 2004.
- **Duda, T.F., Jr.** Evolution of venoms and feeding specializations of predatory snails. EEB Lunch, University of Michigan, 2004.
- **Duda, T.F., Jr.** Evolution of venoms of the predatory gastropod genus *Conus*. Smithsonian Tropical Research Institute, invited seminar, 2003.
- **Duda, T.F., Jr.** Evolution of venoms of the predatory gastropod genus *Conus*. California State University Fullerton, invited seminar, 2003.
- **Duda, T.F., Jr.** Evolution of venoms of the predatory gastropod genus *Conus*. University of California Berkeley, invited seminar, 2003.
- Kohn, A.J., **Duda, T.F., Jr.** Genetic, morphological and ecological differentiation in *Conus ebraeus*, a Pan-Indo-Pacific zoogeographic species. Society for Integrative and Comparative Biology Meeting, Toronto, Canada, 2003.
- **Duda, T.F., Jr.** Conotoxin diversity among populations of *Conus ebraeus*. American Malacological Society Meeting, Ann Arbor, MI, invited presentation, 2003.
- Kohn, A.J., **Duda, T.F., Jr.** Does a cryptic sibling species lurk within *Conus ebraeus*? American Malacological Society Meeting, Ann Arbor, MI, 2003.
- **Duda, T.F., Jr.** Evolución de los venenos de *Conus*. Instituto Ecología, Xalapa, Mexico, invited seminar, 2003.

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## Grants, Fellowships & Awards

- UM-OFFICE OF RESEARCH. Grant (\$14,449) awarded June 2016 to evaluate impacts of adaptive introgression on ecological diversification.
- U.S. NATIONAL SCIENCE FOUNDATION, EMERGING FRONTIERS—THEMATIC COLLECTIONS NETWORK. Documenting the Occurrence through Space & Time of Aquatic Non-indigenous Fish, Mollusks, Algae, & Plants Threatening North America's Great Lakes. Grant (\$429,777) awarded June 2014; grant period June 2014 – May 2017.
- UM-LSA, ASSOCIATE PROFESSOR RESEARCH FUNDS. Grant (\$82,152) awarded April 2012 to utilize high throughput methods for testing hypotheses in the evolution of *Conus* venoms.
- OFFICE OF VICE PRESIDENT OF RESEARCH FACULTY GRANTS AND AWARDS PROGRAM, University of Michigan. Grant (\$8,450) awarded October 2010 to investigate molecular genetics of polychaete targets of *Conus* venoms.
- RACKHAM GRADUATE SCHOOL, UNIVERSITY OF MICHIGAN. 2009 Spring/Summer Research Grant. \$4,000 awarded April 2009 to support a graduate student research assistant.
- U.S. NATIONAL SCIENCE FOUNDATION, INTEGRATIVE ORGANISMAL BIOLOGY. *Research Experience for Undergraduates*. \$6,000 awarded April 2009.
- U.S. NATIONAL SCIENCE FOUNDATION, INTEGRATIVE ORGANISMAL BIOLOGY. *Molecular and ecological adaptations: evolution of venoms and feeding specializations of predatory marine gastropods*. Grant (\$477,969) awarded June 2007; grant period August 2007 – July 2010.
- NATIONAL GEOGRAPHIC SOCIETY COMMITTEE FOR RESEARCH AND EXPLORATION. *Molecular genetics of ecological release: Conus miliaris at Easter Island*. Grant (\$27,960) awarded May 2007.
- OFFICE OF VICE PRESIDENT OF RESEARCH FACULTY GRANTS AND AWARDS PROGRAM, University of Michigan. Grant (\$15,000) awarded January 2007 to investigate feeding ecology and ontogenetic shifts in venoms and diets of fish-eating *Conus*.
- OFFICE OF VICE PRESIDENT OF RESEARCH FACULTY GRANTS AND AWARDS PROGRAM, University of Michigan. Grant (\$14,600) awarded March 2005 to develop a PCR-based method to identify diets of *Conus*.
- UNIVERSITY OF WASHINGTON, Department of Biology. One-year postdoctoral fellowship awarded 2003 through an NSF grant to A.J. Kohn to study the evolutionary history and phylogenetic relationships of *Conus*.
- SMITHSONIAN TROPICAL RESEARCH INSTITUTE, Naos Marine Laboratory. Three-year Tupper Fellowship awarded March 1999 to investigate the phylogenetic relationships of tropical American *Conus* species and evolution of venoms of *Conus*.
- UNIVERSITY OF WASHINGTON, Friday Harbor Laboratories. Two-year postdoctoral fellowship awarded March 1999 to investigate functions of conotoxins in polychaetes (not accepted).
- ORGANISMIC AND EVOLUTIONARY BIOLOGY DEPARTMENT, HARVARD UNIVERSITY. Research grant awarded May 1998 to conduct field studies of *Conus* in Hawaii and Guam.
- RESEARCH CORPORATION OF THE UNIVERSITY OF HAWAI'I. Competitive, one-year research assistantship was awarded to investigate the evolutionary history of *Conus*, 1995-1996.



- CONCHOLOGISTS OF AMERICA, Research grant awarded October 1995 to fund field studies of *Conus* in Papua New Guinea.
- HAWAIIAN MALACOLOGICAL SOCIETY, Research grant awarded July 1995 to fund field studies of *Conus* in Papua New Guinea.
- AMERICAN MUSEUM OF NATURAL HISTORY, Lerner Gray Fund for Marine Research, Research grant awarded May 1995 to fund field studies in Papua New Guinea.
- SIGMA XI, Grants-in-Aid of Research, Research grant awarded January 1995 to fund field studies in Papua New Guinea.
- BIOLOGY DEPARTMENT, SAN FRANCISCO STATE UNIVERSITY. Research grant awarded in April 1992 to conduct population genetic analyses of an introduced bivalve in San Francisco Bay.
- AMERICAN MUSEUM OF NATURAL HISTORY, Lerner Gray Fund for Marine Research, Research grant awarded May 1991 to conduct population genetic analyses of an introduced bivalve in San Francisco Bay.

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### Teaching Record

- ANIMAL DIVERSITY. BIO 288. Winter 2017. *University of Michigan*. Option for required elective of Biology and General Biology majors. Average enrollment: 42 students.
- MOLECULAR APPROACHES IN ECOLOGY AND EVOLUTIONARY BIOLOGY. EEB 414 (previously EEB 401). Fall 2012, 2013, 2014, 2015, 2016. *University of Michigan*. Elective course focusing on laboratory exercises and assignments to train upper level undergraduate and incoming graduate students in molecular techniques. Average enrollment: 8 students (~80% graduate students).
- EVOLUTIONARY BIOLOGY OF MOLLUSCS. EEB 800. Fall 2011; Winter 2012, 2016. *University of Michigan*. Seminar course. Average enrollment: 4 students.
- EVOLUTION. BIO/EEB 390. Fall 2005, 2006, 2008, 2009, 2010, 2011, 2015; Winter 2014. *University of Michigan*. Required undergraduate course for several concentrations in biology and related sub-concentrations. Average enrollment: 130 students.
- FIELD ECOLOGY, EEB 477. Fall 2010, 2011, 2012, 2013, 2015, 2016. *University of Michigan*. Led a field exercise and typically presented a seminar (not in all years) at E.S. George Reserve with a set of students from the course. Average enrollment: 20 students.
- BIODIVERSITY RESEARCH SEMINAR. EEB 335. Winter 2008. *University of Michigan*. Undergraduate level course. Enrollment: 22 students.
- PRINCIPLES OF EVOLUTIONARY BIOLOGY. EEB 516. Winter 2005, 2006. *University of Michigan*. Graduate level course. Co-instructed with Lacey Knowles. Average enrollment: 20 students.

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### University Service

- Promotions Review Panel. Department of Ecology and Evolutionary Biology. 2014/2015.
- Graduate Affairs Committee. Department of Ecology and Evolutionary Biology. 2014/2015.

- Evaluations Committee. Department of Ecology and Evolutionary Biology. 2014/2015 (Member), 2015/2016 (Member), 2016/2017 (Chair).
- Nominating Committee. Department of Ecology and Evolutionary Biology. Winter 2014, Winter 2008.
- Executive Committee, Ecology and Evolutionary Biology, Fall 2012 - Winter 2014, Fall 2006 - Winter 2008.
- Director of the Frontiers Master's Program, Ecology and Evolutionary Biology, University of Michigan, May 2012 - 2017.
- Diversity Committee. Department of Ecology and Evolutionary Biology. 2013 - 2014, 2011 - 2012 (Chair).
- Retreat Committee. Department of Ecology and Evolutionary Biology. 2011, 2010.
- Admissions Committee. Department of Ecology and Evolutionary Biology. 2008 - 2010.
- Functional Biologist Search Committee. Department of Ecology and Evolutionary Biology. Winter 2008.
- Walker/Hinsdale Graduate Research Grant Evaluation Committee. University of Michigan Museum of Zoology. Winter 2006, 2013, 2014.
- Seminar Organizing Committee. Department of Ecology and Evolutionary Biology. 2005 - 2006.
- Mentor. Undergraduate Research Opportunity Program. 2008 - 2009, 2006 - 2007, 2005 - 2006.
- Tinkle Graduate Award Evaluation Committee. University of Michigan Museum of Zoology. Winter 2005, 2013, 2014.
- Evolutionary Biology Search Committee. Department of Ecology and Evolutionary Biology. 2004/2005.
- Mentor. Summer Research Opportunity Program. Summer 2005.

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### **Other Service-related activities**

- *Ad hoc* proposal reviewer. National Science Foundation: Biological Oceanography, Dimensions in Biodiversity, Systematics and Biodiversity Science, Phylogenetic Systematics, Earth Science, Biodiversity Discovery and Analyses, Molecular and Cellular Biosciences. 2006, 2007, 2010, 2012, 2013, 2014.
- President (2014/2015), Vice President (2013/2014) and Vice President Elect (2012/2013), American Malacological Society.
- *Ad hoc* proposal reviewer. National Geographic Society. Fall 2012.
- Subject editor (Mollusca: Gastropoda: Toxoglossa), *Zootaxa*, 2010 - present.
- *Ad hoc* proposal reviewer. National Fund program for Scientific and Technological Research in Antarctica, Chilean Antarctic Institute. Summer 2010.

- Councilor-at-Large of the American Malacological Society. 2010-2011. Elected in July 2009.
- Student Award Committee. American Malacological Society. 2009, 2010, 2011.

Invited reviewer of manuscripts for the following journals: *American Malacological Bulletin*, *Animal Conservation*, *Aquatic Biology*, *Biological Bulletin*, *Biology Letters*, *Comparative Biochemistry and Physiology*, *Evolution*, *Gene*, *Integrative and Comparative Biology*, *Journal of Biogeography*, *Journal of Molecular Evolution*, *Marine Biology*, *Molecular Biology and Evolution*, *Molecular Ecology*, *Molecular Phylogenetics and Evolution*, *Nautilus*, *PLoS ONE*, *South African Journal of Science*, *Systematic Biology*, *Systematics and Biodiversity*, *Zoological Journal of the Linnean Society*, *Zoological Scripta* and *Zootaxa*.

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## **Advising & Outreach**

*PhD candidate dissertation committee membership:*

- Mark Puong. 2014 to present; Department of Ecology and Evolutionary Biology, University of California, Los Angeles (*Member*).
- Andrew Wood. 2013 to present; Department of Ecology and Evolutionary Biology (*Chair*).
- Paula Teichholtz. 2011 to present; Department of Ecology and Evolutionary Biology (*Chair*).
- Dan Chang. 2007 to 2012 (graduated); Department of Ecology and Evolutionary Biology (*Chair*). Currently a Postdoctoral Research Associate at UC Santa Cruz.
- Jeremy Wright. 2007 to 2012 (graduated); Department of Ecology and Evolutionary Biology (*Co-chair*). Currently a Curator at the New York State Museum.
- Jay Reed. 2007 to 2014 (graduated); Department of Ecology and Evolutionary Biology (*Member*).
- Matthew Chatfield. 2005 to 2009 (graduated); Department of Ecology and Evolutionary Biology (*Member*).
- Akane Uesugi. 2005 to present; Department of Ecology and Evolutionary Biology (*Member*).
- Andrea Walther. 2006 to 2008 (graduated); Department of Ecology and Evolutionary Biology (*Member*).
- Ronald Oldfield. 2007 (graduated); Department of Ecology and Evolutionary Biology (*Member*).
- Devapriya Chattopadhyay. 2006 to 2009 (graduated); Department of Geology (*Cognate member*).

*Master's degree candidate dissertation committee membership:*

- Peter Cerda. 2014 to 2016 (in progress); Frontiers Master's Student, Department of Ecology and Evolutionary Biology (*Chair*).
- Alexandra Moore. 2011 to 2013 (graduated); Frontiers Master's Student, Department of Ecology and Evolutionary Biology (*Chair*).

- Samantha Flowers. 2011 to 2013 (graduated); Traditional Master's Student, Department of Ecology and Evolutionary Biology (*Chair*).
- Semoya Phillips. 2010 to 2012 (graduated); Frontiers Master's Student, Department of Ecology and Evolutionary Biology (*Chair*).

*Undergraduate student research supervision:*

- Ja'naysha Hamilton (University of Michigan, Undergraduate Research Opportunity Program), Fall 2014, Winter 2015.
- Alyssa Lawler (University of Michigan, EEB 300 - Independent Research), Fall 2013—Winter 2015.
- Stephen Parrish (University of Michigan, EEB 300 - Independent Research), Winter 2012.
- Taylor Dunivin (University of Michigan, EEB 300 - Independent Research), Fall 2012.
- Arianna Macartney (University of Michigan, EEB 300 - Independent Research), Fall 2012.
- Houraa Daher (University of Michigan), Fall 2012, Winter 2013.
- Jordan LaFave (University of Michigan, NSF-REU), Summer 2010, Fall 2010, Winter 2011.
- Seeseei Toa, Priti Smith, Emm-I Smith, Masina Aokuso, Elaine Lio, Marie Faatuala, Joyce Auau and Joseph Atafua (American Samoa Community College, Marine Science Research Experience Program), Spring 2010.
- David Morris (University of Michigan, EEB 300 - Independent Research), Winter 2010.
- Marielle Terbio (University of Guam, Marine Science Research Experience Program), Summer 2009.
- Brittany Lewis (University of Michigan, EEB 300 - Independent Research), Winter 2009, Fall 2009.
- Amy Olenzek (University of Michigan, Undergraduate Research Opportunity Program, NSF – REU), Fall 2008 - Winter 2009, Fall 2009 - Winter 2010, Fall 2010 - Winter 2011.
- Marielle Terbio, Christopher Rosario, Cabrini Rivera and Jonathan Lim (University of Guam, Marine Science Research Experience Program), Summer 2008.
- Thomas Wong (University of Michigan, EEB 300 - Independent Research), Winter 2007 - Winter 2008.
- Sarah Leinwald, Fall 2007 - Winter 2008.
- Stephen Hickner (University of Michigan, Undergraduate Research Opportunity Program), Fall 2006 - Winter 2007, including Summer 2007.
- Matthew Bolin (University of Michigan, EEB 300 - Independent Research), Winter 2006 - Winter 2007.
- David Loeffler (University of Michigan, Undergraduate Research Opportunity Program), Fall 2005 - Winter 2006.

- Megan Coughlin (University of Michigan, EEB 300 - Independent Research), Fall 2005 - Winter 2006.
- Matseliso Moloi (Virginia Union University, Summer Research Opportunity Program), Summer 2005.
- Jennifer Cabotage (University of Michigan, EEB 300 - Independent Research), Winter 2005 - Summer 2006.
- John Meszaros (University of Michigan, EEB 300 - Independent Research), Winter 2005.
- Steven Smriga (Smithsonian Tropical Research Institute), Fall 2001 - Winter 2002.

*Postdoctoral Associates:*

- David Weese. 2013-2014. Faculty position at Georgia Southern University.
- Gang Chen. 2009-2010. Currently employed as a Research Associate at University of Rhode Island.
- Taehwan Lee. 2007-2009. Currently employed as Collections Coordinator in the Mollusk Division of the University of Michigan Museum of Zoology.
- Evan Braswell. 2008. Currently employed as a Molecular Geneticist at the US Department of Agriculture, Animal and Plant Health Inspection Service.
- Elpidio A. Remigio. 2004-2006. Currently employed as a Research Associate at the Biodiversity Institute of Ontario, University of Guelph.

*Other advising and outreach activities:*

- MARINE SCIENCE RESEARCH EXPERIENCE. Program was developed to provide research experience to undergraduate students at Pacific island territories and nations and is currently supported by research funds from NSF. The current focus is on students from the University of Guam and American Samoa Community College. During summer of 2008, I engaged four undergraduate students from the University of Guam in a study of dietary specialization of *Conus* at Pago Bay, Guam. One of these students visited my laboratory during summer of 2009 and conducted an independent research project. Students from the American Samoa Community College participated in field research activities in American Samoa in March - April 2010.
- Readings (EEB 730) with first-year Department of Ecology and Evolutionary Biology graduate students: Dan Chang (Winter 2007), Jeremy Wright (Winter 2007) and Tristan McKnight (Winter 2012).
- Undergraduate Advising for Biology and General Biology Concentrators. Two sessions scheduled per week throughout all semesters from Winter 2005 to Fall 2011 except for Fall 2007 and Winter 2010. Four sessions per week throughout all semesters from Fall 2011 to present.

*Contributions to popular articles:*

- Roberson, M.R. 2008. Creature comforts – animals provide healing help for humans. National Zoological Park's *Zoogoer* magazine, November/December issue.

- Sreenivasan, A. 2002. Keeping up with the cones. *Natural History* 111(1):40-47.

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### **Workshops Given**

- EEB-BLOCK GRANT WORKSHOP. Attendees: EEB Frontiers Master's students. February 2013.
- APPLYING FOR PREDOCTORAL FELLOWSHIPS AND TO PHD PROGRAMS. Attendees: EEB Master's students, lab technicians and other personnel affiliated with EEB. Fall 2012, 2013, 2014.

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### **Workshops Attended**

- DISTRESS SIGNALS: SUPPORTING STUDENTS FACING MENTAL HEALTH CHALLENGES. Advance, University of Michigan. January 2016.
- RACKHAM CIRCLE OF RECRUITMENT. Rackham Graduate School, University of Michigan. May 2015.
- PRESENTING AND ADDRESSING INCIVILITY IN THE CLASSROOM. Center for Research on Learning and Teaching, University of Michigan. November 2014.
- NESCENT. Integrating organismal and applied perspectives on animal venom diversity. September 2014.
- PREPARING GSIs TO CREATE INCLUSIVE CLASSROOMS: STRATEGIES FOR GSI TRAINING PROGRAMS. Center for Research on Learning and Teaching, University of Michigan. April 2014.
- FRIENDS AND ALLIES OF STRIDE TOWARD EQUITY IN RECRUITING (FASTER) STRIDE Committee of the ADVANCE Program, University of Michigan. June 2013.
- GRADUATE ADMISSIONS WORKSHOP. STRIDE Committee of the ADVANCE Program, University of Michigan. November 2012, 2013.
- TEACHING SKILLS WORKSHOP ON EVALUATING AND REVISING CHALLENGING COURSES. Center for Research on Learning and Teaching, University of Michigan. October 2012.
- Participant, IUCN: one-week workshop to determine the status of 630+ species of *Conus*. October 2011.
- INTERACTIVE LECTURING: THE BEST OF BOTH WORLDS. Center for Research on Learning and Teaching, University of Michigan. November 2006.
- LSA NSF-CAREER WORKSHOP. Office of Research Administration, University of Michigan. May 2006, June 2005.

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### **Other Research Experience**

- AQUATIC FARMS, LTD.  
Research Technician, Spring 1997. Investigated the genetic diversity of Indian and Pacific Ocean populations of the black tiger prawn.
- UNIVERSITY OF WASHINGTON, Marine Molecular Biotechnology Center.  
Research Technician, Fall 1996. Assisted with project investigating the population structure of herring of the Gulf of Alaska.

- U.S. GEOLOGICAL SURVEY, Water Resources Division.  
Research Technician, 1991-1993. Involved in projects investigating the benthic communities of Puget Sound, Washington and San Francisco Bay, California.
- ROMBERG TIBURON CENTER FOR ENVIRONMENTAL STUDIES.  
Research Technician, 1990-1991. Surveyed benthic invertebrates of San Pablo Bay, California for preparation of an Environmental Impact Statement.