

Christine L. Huffard

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EDUCATION

- 2005 Ph.D. Integrative Biology
University of California, Berkeley
“The behavioral ecology and locomotion of *Abdopus aculeatus* (d’Orbigny 1834)”
- 1997 B.S. Marine Science with Honors, Magna Cum Laude
Long Island University, Southampton College, Southampton, NY

PROFESSIONAL EXPERIENCE

- 2017-current Research Specialist, Monterey Bay Aquarium Research Institute (MBARI)
- 2014-current Project Manager, Pelagic-Benthic Coupling lab, MBARI
- 2012-2017 Senior Research Technician, MBARI
- 2012-current Research Associate, Invertebrate Zoology and Geology
California Academy of Sciences
- April-May 2012 Monitoring Consultant
World Wildlife Fund
- 2012 Conservation Science Capacity-Building Consultant
Conservation International Indonesia
- 2009-2011 Marine Conservation Science and Monitoring Advisor
Conservation International Indonesia
- 2007-2008 Postdoctoral Fellow
Monterey Bay Aquarium Research Institute
- 2003, 04, 06 Monitoring Consultant
Natural Equity, Sage Foundation
- June-Sept 2002 Biologist And Senior Scientist
Operation Wallacea Research Programme
- 2002 Monitoring Consultant
The Nature Conservancy, Komodo Field Office, Indonesia

PEER-REVIEWED PUBLICATIONS

Smith Jr., K.L., A.D. Sherman, P. R. McGill, R.G. Henthorn, J. Ferreira, **C.L. Huffard**. (In press) Evolution of monitoring an abyssal time-series station in the N.E. Pacific over 28 years. [Oceanography](#)

Morse, P., S.R. Kjeldsen, M.G. Meekan, M.I. McCormick, J.K. Finn, **C.L. Huffard**, K. R. Zenger (In press) Genome-wide comparisons reveal a clinal species pattern within a holobenthic octopod - the Australian Southern Blue-Ringed Octopus, *Hapalochlaena maculosa* (Cephalopoda: Octopodidae). Ecology and Evolution

Morse, P., **C.L. Huffard**, M.G. Meekan, M.I. McCormick, K.R. Zenger (2018) Mating behaviour and postcopulatory fertilization patterns in the southern blue-ringed octopus, *Hapalochlaena maculosa*. Animal Behaviour 136:41–351

Fox, H.E., M.D. Barnes, G. Ahmadi, G. Kao, L. Glew, K. Haisfield, N.I. Hidayat, **C.L. Huffard**, L. Katz, S. Mangubhai, Purwanto (2017) Generating actionable data for evidence-based conservation in the global center of marine biodiversity. Biological Conservation 210:299–309

Morse, P., K.R. Zenger, M.I. McCormick, M.G. Meekan, **C.L. Huffard** (2016) Chemical cues correlate with agonistic behaviour and female mate choice in the southern blue-ringed octopus, *Hapalochlaena maculosa* (Hoyle, 1883) (Cephalopoda: Octopodidae). Journal of Molluscan Studies doi:10.1093/mollus/eyw045 (9 pp)

McGill P.R., R.G. Henthorn, L.E. Bird, **C.L. Huffard**, D.V. Klimov, K.L. Smith, Jr. (2016) Sedimentation Event Sensor: new ocean instrument for in-situ imaging and fluorometry of sinking particulate matter. Limnology and Oceanography Methods 14(12):853–863

Dunlop, K.M., D. van Oevelen, H.A. Ruhl, **C.L. Huffard**, L.A. Kuhnz, K.L. Smith, Jr. (2016) Carbon cycling in the deep eastern North Pacific benthic food web: Investigating the effect of organic carbon input. Limnology and Oceanography 61: 1956–1968

Smith Jr., K.L., **C.L. Huffard**, A.D. Sherman, H.A. Ruhl (2016) Decadal change in sediment community oxygen consumption in the abyssal northeast Pacific. Aquatic Geochemistry 22:401–417

Huffard, C.L., L.A. Kuhnz, L. Lemon, A.D. Sherman, K.L. Smith, Jr. (2016) Demographic indicators of change in a deposit-feeding abyssal holothurian community (Station M, 4000m). Deep-Sea Research I: Oceanographic Research Papers 109:27–39

Morse, P., K.R. Zenger, M.I. McCormick, M.G. Meekan, **C.L. Huffard** (2015) Nocturnal mating behaviour and dynamic male investment of copulation time in the southern blue-ringed octopus, *Hapalochlaena maculosa* (Cephalopoda: Octopodidae). Behaviour 152(14):1883–1910

Smith, K.L. Jr., M. Messié, A.D. Sherman, **C.L. Huffard**, B.W. Hobson, H.A. Ruhl, A. Boetius (2015) Navigating the uncertain future of global oceanic time series. EOS 96, doi: 10.1029/2015EO038095

Caldwell, R.L., A. Ross, A. Rodaniche, **C.L. Huffard** (2015) Behavior and body patterns of the Larger Pacific Striped Octopus. Plos One doi: 10.1371/journal.pone.0134152 (17 pp)

Rude, J., A. Minks, B. Doheny, M. Tyner, K. Maher, **C.L. Huffard**, N.I. Hidayat, H. Grantham (2015) Ridge to reef modeling for use within land-sea planning under data-poor conditions. Aquatic Conservation: Marine and Freshwater Ecosystems 26(2):251–264

Laguionie-Marchais, C., L.A. Kuhnz, L.A., **C.L. Huffard**, H.A. Ruhl, K.L. Smith, Jr. (2015) Spatial and temporal variation in sponge spicule patches at Station M, North East Pacific. Marine Biology 162(3):617 – 624

Huffard, C.L., M. Bartick (2015) Wild *Wunderpus photogenicus* and *Octopus cyanea* employ asphyxiating 'constricting' in interactions with other octopuses. Molluscan Research 35(1):12–16

Huffard, C.L., S. von Thun, A.D. Sherman, K. Sealey, K.L. Smith, Jr. (2014) Pelagic Sargassum community change over a 40-year period: temporal and spatial variability. Marine Biology 161:2735–2751
Kuhnz, L.A, H.A. Ruhl, **C.L. Huffard**, K.L. Smith Jr. (2014) A benthic megafaunal community in the abyssal northeast Pacific: structural changes over a 24-year time series. Progress in Oceanography 124:1–11

Smith Jr. K.L., A.D. Sherman, **C.L. Huffard**, P.R. McGill, R. Henthorn, S.Von Thun, H.A. Ruhl, M. Kahru, M.D. Ohman (2014) Large salp bloom export from the upper ocean and benthic community response in the abyssal northeast Pacific: day to week resolution. Limnology and Oceanography 59(3):745–757

Huffard, C.L. (2013, Invited review) Cephalopod neurobiology: an introduction for biologists working in other model systems. Invertebrate Neuroscience 13(1):11–18

Smith Jr., K.L., H.A. Ruhl, M. Kahru, **C.L. Huffard**, A.D. Sherman. (2013) Deep ocean communities impacted by changing climate over 24 years in the abyssal northeast Pacific Ocean. Proceedings of the National Academy of Sciences 110(49):19838–19841

Bush, S.L., H.J.T. Hoving, **C.L. Huffard**, B.H. Robison, L.D. Zeidberg (2012) Brooding and sperm storage by the deep-sea squid *Bathyteuthis berryi* (Cephalopoda: Decapodiformes). Journal of the Marine Biological Association of the United Kingdom 92(7):1629–1636

Mangubhai, S., M.V. Erdmann, J.R. Wilson, **C.L. Huffard**, F. Ballamu, N.I. Hidayat, C. Hitipeuw, M.E. Lazuardi, D. Pada, G. Purba, C. Rotinsulu (2012) Papua Bird's Head Seascape: emerging threats, challenges and opportunities in the global center of marine biodiversity. Marine Pollution Bulletin 64:2279–2295

Williams, B.L., V. Lovenburg, **C.L. Huffard**, R.L. Caldwell (2011) Chemical defense in pelagic octopus paralarvae: Tetrodotoxin alone does not protect individual paralarvae of the greater blue-ringed octopus (*Hapalochlaena lunulata*) from common reef predators. Chemoecology 21:131–141

Huffard, C.L., R.L. Caldwell, F. Boneka (2010) Male-male and male-female aggression may influence mating associations in wild octopuses (*Abdopus aculeatus*). Journal of Comparative Psychology 124(1):38–46

Huffard, C.L., N. Saarman, H. Hamilton, B. Simison (2010) The evolution of conspicuous facultative mimicry in octopus: an example of secondary adaptation? Biological Journal of the Linnean Society 101(1):68–77

Huffard, C.L., P. Godfrey-Smith (2010). Field observations of mating in *Octopus tetricus* Gould 1852 and *Amphioctopus marginatus* (Taki, 1964). Molluscan Research 30(2):81–86 (cover photo)

Dimara, R., A. Fauzan, M. Lazuardi, D. Pada, G.R. Allen, M.V. Erdmann, **C.L. Huffard**, L.S. Katz, & R. Winterbottom. (2010) Pisces, Teleostei, Gobiidae, illustrated list of additions to the fauna of the Raja Ampat Islands, Indonesia. Checklist 6(4):619–625

Huffard, C.L., B. Gentry, D.W. Gentry (2009). Description of the paralarvae of *Wunderpus photogenicus* Hochberg, Norman & Finn, 2006 (Cephalopoda: Octopodidae). Raffles Bulletin of Zoology 57(1):109–112

Huffard, C.L., R.L. Caldwell, N. DeLoach, D.W. Gentry, P. Humann, B. MacDonald, B. Moore, R. Ross, T. Uno, S. Wong (2008) Individually unique body color patterns in octopus (*Wunderpus photogenicus*) allow for photoidentification. PLoS ONE 3(11): e3732 (5 pp)

Huffard, C.L., R.L. Caldwell, F. Boneka (2008) Mating behavior of *Abdopus aculeatus* (d’Orbigny 1834) (Cephalopoda: Octopodidae) in the wild. Marine Biology 154:353–362

Huffard, C.L. (2007) Four new species of shallow water octopus from the Kingdom of Tonga. Molluscan Research 27(3): 147–170

Huffard, C.L. (2007) Ethogram of *Abdopus aculeatus* (d’Orbigny, 1834) (Cephalopoda: Octopodidae): can behavioral characters inform octopodid taxonomy and systematics? Journal of Molluscan Studies 73:185–193

Huffard, C.L. (2006) Locomotion by *Abdopus aculeatus*: walking the line between primary and secondary defenses. The Journal of Experimental Biology 209:3697–3707 (cover photo)

Huffard, C.L., F.G. Hochberg (2005) Description of a new species of the genus *Amphioctopus* (Mollusca: Octopodidae) from the Hawai’ian islands. Molluscan Research 25(3):113–128

Huffard, C.L., F. Boneka, R.J. Full (2005) Underwater bipedal locomotion by octopuses in disguise. Science 307:1927

Huffard, C.L., R.L. Caldwell (2002). Inking in a blue-ringed octopus, *Hapalochlaena lunulata* (Quoy & Giamard, 1832), with a vestigial ink sac. Pacific Science 56(3):255–257

GRANTS

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| 2017 | <u>California Academy Research Mini Grants program (\$5000)</u>
Seeking the first imagery of wild ‘Larger Pacific Striped Octopus’
R. Ross, R.L. Caldwell, C.L. Huffard |
| 2010 | <u>David and Lucile Packard Foundation Ecosystem Based Management Bridging Grant (\$119,000, grant lead)</u> to Conservation International, The Nature Conservancy, and Worldwide Fund for Nature-Indonesia |
| 1999-2004 | <u>Grants for dissertation fieldwork in invertebrate zoology (approximately \$15,000)</u>
Hansen Award for Student Travel
American Malacological Society Student Research Grant
Smith Memorial Fund
U.C. Berkeley Integrative Biology Summer Research Award
Western Society of Malacologists Student Research Grant
Beim Endowment for Field Research |

Sigma Xi Graduate Student Research Funds
Fellowship for Graduate Student Research Gump Tropical Research Station
U.C. Pauley Foundation

PRESENTATIONS, POSTERS, AND COAUTHORED ABSTRACTS

Smith, K.L. Jr., P.R. McGill, **C.L. Huffard**, H.A. Ruhl, A.D. Sherman, R.G. Henthorn (2017) Persistence monitoring of episodic carbon deposition events in the abyssal NE Pacific: what are we missing? Ocean Science, Honolulu, HI, USA

Mcgill, P.R., R.G. Henthorn, L.E. Bird, C.L. Huffard, D.V. Klimov, Smith, K.L.Jr., (2017) Sedimentation Event Sensor: early insights into variability of sinking particulate matter at hourly resolution, and future event detection. Ocean Science, Honolulu, HI, USA

Huffard C.L., L. Lemon, L.A. Kuhnz, A.D. Sherman, K.L. Smith Jr. (2015) Demographic indicators of recruitment in a guild of abyssal holothurians (Sta. M, 4000m). Deep Sea Biology Symposium, Aveiro, Portugal

Durden J.M., **C.L. Huffard**, B.J. Bett, H.A. Ruhl, K.M. Dunlop, K.L. Smith, Jr. Response to food inputs - temporal variation in megabenthic deposit feeding in the abyss (2015) Deep Sea Biology Symposium, Aveiro, Portugal

Ruhl H.A., B.J. Bett, A. Boetius, G. Graham, S.A. Henson, B.W. Hobson, **C.L. Huffard**, R.S. Lampitt, S. McPhail, M. Messié, K.J. Morris, T.W. Nattkemper, W.A.M. Nimmo-Smith, R.J. Sanders, A.D. Sherman, & K.L. Smith Jr. (2015) Porthole: Evolving biological carbon pump research. Ocean Carbon & Biogeochemistry, Woods Hole, MA, USA

Smith K.L. Jr., H.A. Ruhl, M. Kahru, **C.L. Huffard**, A.D. Sherman (2014) Deep ocean community food supply and demand impacted by changing climate over 24 years in the abyssal northeast Pacific Ocean. Ocean Science, Honolulu, HI, USA

McGill P.R., R. Henthorn, L. Bird, **C.L. Huffard**, K.L. Smith, Jr.(2014) Sediment trap design for in-situ imaging and fluorometry of sinking particulate organic carbon. Ocean Science, Honolulu, HI, USA

Clary, L.M., K.L. Smith, L.A. Kuhnz, and **C.L. Huffard** (2013) Deep sea holothuroid responses to food fluctuations. Western Society of Naturalists. Ventura, CA, USA

Huffard, C.L. & R.L. Caldwell (2013) Female proceptive behavior in octopuses (*Abdopus aculeatus*). Society of Integrative and Comparative Biologists, San Francisco, CA, USA

Lombana, A., H. Fox, K. Haisfield, N. Hidayat, **C.L. Huffard**, M. Lazuardi, D. Pada, Mujahir, K. Sumolang, M. Allen, Purwanto (2012) Revealed: reef fish and coral habitat patterns, Bird's Head, Indonesia. International Coral Reef Symposium, Cairns, Australia

Fox, H., M. Mascia, L. Glew, **C.L. Huffard**, A. Lombana, S. Manghubai, F. Pakiding, L. Pet-Soede (2012) Solving the mystery of Marine Protected Area performance: methodologies for linking governance to ecological and social outcomes International Coral Reef Symposium, Cairns, Australia

Huffard, C.L., M.E. Lazuardi, N.I. Hidayat, A. Muljadi, Muhajir (2011) Community fisheries monitoring and utility to management of the Raja Ampat MPA Network. International Marine Conservation Congress, Victoria, British Columbia, Canada

Wilson J., C. Rotinsulu, M.V. Erdmann, C. Hitipeuw, S. Mangubhai, L. Rumetna, **C.L. Huffard** (2011) From MPAs to ecosystem based management (EBM) in the Bird's Head Seascape, West Papua, eastern Indonesia. International Marine Conservation Congress, Victoria, British Columbia, Canada

Alupay, J., **C.L. Huffard** & R.L. Caldwell (2011) Characterizing arm autotomy: an octopus mode of defense. Society for Integrative and Comparative Biologists, Salt Lake City, UT, USA

Wilson, J., C. Rotinsulu, A. Muljadi, W. Wen, **C.L. Huffard**, & N.Hidayat (2010) Using aerial surveys to identify threats, resource use and marine fauna in large MPAs, Raja Ampat, West Papua, Indonesia. Asia Pacific Coral Reef Symposium, Phuket, Thailand

Godfrey-Smith, P. & **C.L. Huffard** (2010) Mating, pair formation, and sexual conflict in the Gloomy Octopus. Evolution Society, Portland, Oregon, USA

Huffard, C.L. (2009) Land-sea considerations for coastal development in the Bird's Head Seascape, Papua Indonesia. Annual meeting of TNC and CI BHS, Manokwari, West Papua, Indonesia

Huffard, C.L., R. L. Caldwell, & F. Boneka (2007) Male-male and male-female agonistic behaviour of *Abdopus aculeatus*. World Congress of Malacology, Antwerp, Belgium

Huffard, C.L., K.R. Buck, & B.H. Robison (2007) Assessment of *Dosidicus gigas* sperm longevity using fluorescence microscopy. World Congress of Malacology, Antwerp, Belgium

Baltz, K.A, J.C. Field, J. D. Bauman, L.D. Zeidberg, W.F. Gilly, J.S. Stewart, J.A.T. Booth, D.J. Staaf, & **C.L Huffard** (2008) Ecology of the jumbo squid (*Dosidicus gigas*) in the California Current ecosystem. Monterey Bay National Marine Sanctuary Currents Symposium, San Diego, CA, USA

Huffard C.L., & R.L. Caldwell (2006, invited) Variation in behavior, population density, and sex ratio of *Abdopus aculeatus* (d'Orbigny, 1834). American Malacological Society, Seattle, WA, USA, Invited talk

B. L. Williams, **C. L. Huffard**, & R. L. Caldwell (2006) Chemical defense in hatchlings of the Blue-ringed Octopus, *Hapalochlaena lunulata* Malacological Society of Australasia

Huffard, C.L. & R. J. Full. (2005) Underwater bipedal locomotion by octopuses in disguise. Society for Integrative and Comparative Biologists. San Diego, CA, USA

Huffard, C.L. (2004) Behavioral variation in *Octopus aculeatus* on Sulawesi, Indonesia. International Coral Reef Symposium. Okinawa, Japan

Huffard, C.L. & R.L. Caldwell. (2003) Mating strategies in a member of the *Octopus Abdopus* sub-genus from Sulawesi Indonesia. Cephalopod International Advisory Council. Phuket, Thailand

Huffard, C.L. & F.G. Hochberg. (1997) First record of the '*Octopus aegina* genus group' in the Hawaiian Islands Archipelago. American Malacological Union and Western Society of Malacologists. Santa Barbara, CA, USA

MARINE CONSERVATION SCIENCE TECHNICAL REPORTS AND PROTOCOLS

Huffard C.L., J. Wilson, C. Hitipeuw, C. Rotinsulu, S. Mangubhai, M.V. Erdmann, W. Adnyana, P. Barber, J. Manuputty, M. Mongdong, G. Purba, K. Rhodes, & H. Toha (2012) Ecosystem based management in the Bird's Head Seascape: turning science into action. Ecosystem Based Management Program: Conservation International, The Nature Conservancy, and World Wildlife Fund Indonesia.

Stone, G., **C.L. Huffard**, M.V. Erdmann, E. Montague, B. Robison & R. Rotjan (2011) Seamount Expedition in Raja Ampat, West Papua, Indonesia: A trip report of science activities.

Lazuardi, M.E., R. Mambrasar, E. Mambraku, S. Mayor, Defy Pada, **C.L. Huffard**, E. Montague, B. Robison, & M.V. Erdmann (2011) Conservation value of East Waigeo. Conservation International.

Lazuardi, M.E., **C.L. Huffard**, & K. Tjandra (2010). Community perceptions in the Raja Ampat Regency, Indonesia. (In Indonesian) Conservation International Indonesia.

Huffard, C.L. (2010) A lobster monitoring protocol for community members of marine protected areas in Raja Ampat, Papua. Conservation International Indonesia

Huffard, C.L., M.V. Erdmann & T. Gunawan (2009) Defining geographic priorities for marine biodiversity conservation in Indonesia. Based on data inputs from G. Allen, P. Barber, S. Campbell, L. Devantier, M.V. Erdmann, M. Halim, T. Hitipeuw, Guswindia, B. Hoeksema, M. Hutomo, B. Kahn, Y. Noor, M.K. Moosa, K. S. Putra, Suharsono, E. Turak, J. Randall, R. Salm, C. Veron, C. Wallace

Huffard, C.L. (2009) Aerial monitoring protocol for the Drifter Experimental Ultralight, Raja Ampat, Papua. Conservation International Indonesia

Bertrand, J.F. & **C.L. Huffard**. (2004). Report on the coral reef community survey conducted 1 year after the installation of Ecoreefs ceramic module. A monitoring report

Huffard, C.L., M.V. Erdmann, & M. Moore (2004) The economic and conservation benefits of coral reef rehabilitation: baseline study of bombed reef in Bunaken National Park, Indonesia. A monitoring report

Fox, H. & **C.L. Huffard** (2002) Enhancing Reef Recovery in Komodo National Park, Indonesia: Coral Reef Rehabilitation at Ecologically Significant Scales. Interim Report: Project Installation

TEACHING

2011-2012 [Making the Most of Monitoring \(West Papua, Indonesia\)](#)
Conservation International Indonesia
Designed and taught six-month field, classroom, and remote mentoring course. Secured institutional funding for all participants' travel, meals, and in some cases salary offsets.

Taught introductory marine ecology, conservation, fisheries science, data analysis, reporting. Students generated MPA management recommendations and stakeholder outreach materials based on coursework. Taught in Bahasa Indonesia

- 2011 Understanding Marine Biodiversity (West Papua, Indonesia)
Conservation International Indonesia
Designed and taught 10-day field course on marine biodiversity. Used marine invertebrates and algae as models. Secured institutional funding for all participants' travel, meals, and in some cases salary offsets. Taught in Bahasa Indonesia
- 2010-2012 Spiny Lobster monitoring (West Papua, Indonesia)
Conservation International Indonesia
Designed and presented four 3-day field and classroom workshops about spiny lobster biology, monitoring, and fisheries management. Mentored course participants to implement spiny lobster monitoring programs and workshops in their own villages. Taught in Bahasa Indonesia
- 2004-2005 National Science Foundation GK-12 Graduate Student Teaching Fellow California and Global Biodiversity
Pittsburg Unified School District, CA with University of California, Berkeley (G11- 12)
Wrote and implemented field and classroom lesson plans, coordinated weekend field trips, assisted urban youth with field data collection. Many students English as secondary language
- 2003 Introduction to the Science of Living Organisms
University of California, Berkeley
Taught biology to non-majors through classroom theory and laboratory techniques
- 2001 Outstanding Graduate Student Instructor Award
University of California, Berkeley
- 2001 Biology and Geomorphology of Tropical Islands (Moorea, French Polynesia field course)
University of California, Berkeley at the Gump Field Station
Mentored undergraduates through independent marine and terrestrial field research project development, experimental design, data analysis, reporting, and presentation
- 2001 Animal Biology: A Behavioral View
University of California, Berkeley
Taught animal behavior theory to non-majors
- 1999, 2006 General Biology (three semesters)
University of California, Berkeley
Taught ecology, evolution, plant and animal physiology to undergraduates in the classroom and laboratory
- 1999 General Biology, Field Ecology Elective (two semesters)
University of California, Berkeley

Designed field ecology curriculum and authentic undergraduate research based on marine and terrestrial behavioral ecology, intertidal ecology, and plankton ecology

INVITED SCIENTIFIC TALKS

- 2018 California Academy of Sciences Explore, Explain and Sustain Life Seminar Series
Deep-sea invertebrates respond to California's changing climate
- 2017 Bite of Science Teacher Enrichment Program
Deep-sea carbon uptake off the California Coast (Station M, 4000 m)
- 2016 California State University, Monterey Bay Science & Environmental Policy Seminar
Recent changes in an abyssal sea floor community off the California Coast
- 2013 San José State University, Biological Sciences Seminar
The evolution of conspicuous mimicry in octopuses
- 2012 World Wildlife Fund DC, Conservation Science Program Seminar
Temporal patterns in marine resource use in Raja Ampat, Eastern Indonesia
- 2012 University of California, Santa Cruz, Conservation Biology Course Lecture
Conservation Biology in Indonesia: Monitoring, managing, and mitigating change in the global center of marine biodiversity
- 2012 United States Agency for International Development, Jakarta, Indonesia Seminar
Incorporating sustainable fisheries into marine protected area design
- 2011 National Oceanic and Atmospheric Administration, Pacific Grove Seminar
Part I: Marine conservation science in West Papua
Part II: Cephalopod reproduction
- 2011 Monterey Bay Aquarium Staff Lecture
Deep Sea Cephalopods
- 2011 Raja Ampat Marine Protected Area (MPA) Network, West Papua, Indonesia Stakeholder presentation
Resource use monitoring in Raja Ampat
- 2010 Bird's Head MPA Network, West Papua, Indonesia Stakeholder Presentation
Land-sea considerations for development in the Bird's Head Seascape
- 2010 Monterey Bay Aquarium Research Institute Seminar
Marine conservation science in West Papua: technology, transects, and tradition
- 2008 Moss Landing Marine Laboratories Seminar
Sex and the modern octopus: Big bullies, small sneakers and fecund females

2005	<u>Bunaken National Marine Park Stakeholder Presentation</u> Ecoreef® reef restoration in Bunaken National Park
2003	<u>University of Guam, Marine Laboratory Seminar</u> Mate guarding in the <i>Octopus horridus</i> group
2000	<u>Universitas Sam Ratulangi, Manado, Indonesia Marine Invertebrate Biology Course</u> <u>lecture</u> Cephalopod biology and behavior

FIELD RESEARCH EXPERIENCE IN MARINE INVERTEBRATE ZOOLOGY

(range of years if >2 trips)

1996-current	California	Monterey Bay, Santa Barbara Basin, Station M, RV Western Flyer, RV Pt. Lobos, RV Rachel Carson, SRVX, RV Robert Gordon Sproul
2016	Solomon Islands	Gizo
1997-2014	Hawai'i	Hawai'i, Maui, Oahu, RV Townsend Cromwell
2000-2012	Indonesia	Bali, Banggai Islands, Bunaken National Park, Cendrawasih Bay National Park, Komodo National Park, Kaimana, Lembeh, Raja Ampat, Toli-Toli, Wakatobi National Park
2008	Antarctica	RV Nathaniel B Palmer
2007	Mexico	Gulf of California, RV New Horizon
1999-2006	French Polynesia	Mo'orea, Rurutu, Tahiti
2006	Line Islands	Palmyra Atoll
2003, 2005	Australia	Cape Tribulation, Lizard Island, Moreton Bay
2003	Guam	Pago Bay
1997	Grand Banks	RV Delaware II, RV Albatross IV

MUSEUM RESEARCH EXPERIENCE IN MARINE INVERTEBRATE ZOOLOGY

1996	Santa Barbara Museum of Natural History
1997	Smithsonian Museum of Natural History

SELECTED OUTREACH AND PUBLIC EDUCATION ABOUT MARINE INVERTEBRATE ZOOLOGY

Featured scientist interviews

2016	The Shape of Life website (online)
2015	"Run octopus run" Science Friday (video)
2011	"The Sea of Miracle: Indonesia Raja Ampat" NHK (video)
2008	"The erotic lives of octopuses" Day to day, NPR (radio)
2005	"Fancy footwork: octopuses go bipedal" All things considered, NPR (radio)
2002	"The Survival Game" The Shape of Life, Sea Studios, Inc. (video)

Press coverage

Associated Press, ABC News, BBC, CNN, CBC, Deep Sea News, Guardian UK, National Geographic Magazine, NationalGeographic.com, NY Times, ReefCentral, Santa Cruz Sentinel, Scienceblogs, Science Daily, Science News, ScubaDiver Australasia, Smithsonian.com, The Onion, The Scientist, Wetpixel, Wired

Popular science writing

2013-2015 Mbari.org Expedition blogs, various blog entries about field expeditions at Station M
2014 "The Octopus Lady" Catamaran Literary Reader 5:13-16. (Invited non-fiction essay)
2013 "Social learning in Cephalopods: a natural history perspective" (Invited) In Social Learning Theory: Phylogenetic Considerations across Animal, Plant, and Microbial Taxa. Ed. Kevin Clark
2012 "Don't test the venom" Wetpixel.com
2011 Indonesia Expedition 2011, New England Aquarium Global Explorers blog
"Studying Indonesia's Underwater Magician" Conservation International blog
"Creepy Critters: Diving with Crocodiles" Conservation International blog
2009 Interviews with staff, Mbari.org

General public talks

American Museum of Natural History Milstein Science Series, Chicago Marine Aquarium Society, Marine Aquarium Roundtable of Sacramento, MBARI Open House, New England Aquarium, Oakland Museum of Natural History, San Francisco Ocean Film Festival (children's selections), SEABAY Bay Area Saltwater Enthusiasts

GK-12 presentations

Primos Elementary School (PA, USA), Shipley Academy (PA, USA), SMASH Math and Science Academy (CA, USA), Roosevelt High School (HI, USA)

Additional outreach

2012-2017 MBARI Open House
Developed and presented hands-on outreach materials

2010 Science advisor
Octopus Sukkah, multi-media art installation by Jessica Tully San Francisco Museum of Modern Art, 30 September 2010

2005-2009 Contributing Scientist
The Tree of Life Website, Cephalopoda

2004, 2005 Website Illustrator
University of California Museum of Paleontology
Understanding Evolution

1996 Website Content Science Advisor
Natural Partners, Smithsonian Institution

The Search for the Giant Squid Curriculum

PANELS AND WORKSHOPS

- 2012, 2013 Coral Reef Preservation Meeting
National Center for Ecological Analysis and Synthesis, Santa Barbara, CA
- 2012 Global MPA Conference, Invited Panelist
WildAid, San Francisco, CA
- 2011 Fisheries Innovation Workshop
National Geographic, Monterey, CA
- 2010 Ecosystem Based Management Synthesis Workshop Organizer and Participant
Bird's Head Seascape Ecosystem Based Management Program, Bali, Indonesia

GRANT AND JOURNAL REVIEWING

Grant reviews

Conservation Leadership Program, Israel Science Foundation, M.J. Murdoch Charitable Trust, National Geographic Society, National Science Foundation

Journal reviews

American Malacological Bulletin, Atmosphere-Ocean, Behaviour, Behavioral Ecology and Sociobiology, Biological Bulletin, Biological Journal of the Linnean Society, Biology Letters, Cahiers de Biologie Marine, Cladistics, Current Biology, Current Opinion in Behavioral Sciences, Current Opinion in Neurobiology, Ethology, Fishery Bulletin, Frontiers in Physiology, Hydrobiologia, Interface Focus, Invertebrate Neuroscience, Irberus, Journal of Comparative Psychology, Journal of Ethology, Journal of Experimental Biology, Journal of Experimental Marine Biology & Ecology, Journal of the Marine Biological Association of the United Kingdom, Journal of Molluscan Studies, Latin American Journal of Aquatic Research, Malacologia, Marine Biodiversity, Marine Biology, Marine Biology Research, Marine Ecology Progress Series, Marine & Freshwater Behaviour & Physiology, Marine and Freshwater Research, Molluscan Research, PeerJ, PLOS ONE, The Quarterly Review of Biology, SpringerPlus, Veliger, Venus, Vie et Milieu, Zoological Journal of the Linnean Society, Zoological Studies