Andrew David Thaler

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Education

| Ph.D. Marine Science and Conservation: Duke University, Nicholas School of the Environment | 2007-2012 |
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| B.Sc. Biology: Duke University, Trinity School of Arts and Sciences | 2003-2007 |
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| Research Positions | |
| Visiting Scientist, Virginia Institute of Marine Science (J McDowell): Conservation Genetics | 2015-2016 |
| Post-Doctoral Fellow, Duke University Marine Lab (CL Van Dover): High-throughput Genomics | 2012-2013 |
| PhD Student, Duke University Marine Lab (CL Van Dover): Population Connectivity | 2007-2012 |
| Research Assistant, Duke University (R Vilgalys): Fungi/Rhizome Interaction | Summer 2006 |
| Aquarist Assistant, National Aquarium in Baltimore (J Gomezjurado): Seahorse Breeding Program | 2001-2004 |
| Professional Experience | |
| CEO, Blackbeard Biologic: Science and Environmental Advisors | 2014-present |
| Chief Ecologist, OpenROV | 2016-present |
| Staff Science Writer for the Tide Report, Upwell US | 2014 |
| Science and Social Media Consultant, HappiLabs | 2014 |

Publications: Lead Author

- **Thaler AD**, Saleu W, Carlsson J, Schultz TF, Van Dover, CL (2017) Population structure of *Bathymodiolus manusensis*, a deep-sea hydrothermal vent-dependent mussel from Manus Basin, Papua New Guinea. *PeerJ*, 21: e3655.
- **Thaler AD,** Rose NA, Cosentino AM, Wright A (2017) Lions, Whales, and the Web: Transforming Moment Inertia into Conservation Action. *Frontiers in Marine Science*, 4: 292.
- Thaler AD, Freitag A, Bergman E, Fretz D, Saleu W (2015) Robots as vectors for marine invasions: best practices for minimizing transmission of invasive species via observation-class ROVs. *Tropical Conservation Science*, 8(3): 711-717
- Thaler AD and Shiffman D (2015) Fish tales: Combating fake science in popular media. *Ocean and Coastal Management*, doi:10.1016/j.ocecoaman.2015.04.005.
- Thaler AD, Plouviez S, Saleu W, Alei F, Jacobson A, Boyle EA, Schultz TF, Carlsson J, Van Dover CL (2014)
 Comparative population structure of two deep-sea hydrothermal-vent-associated decapods (*Chorocaris sp.* 2 and *Munidopsis lauensis*) from southwestern Pacific back-arc basins. *PLoSONE*, 9: e101345.
- **Thaler AD**, Zelnio K, Saleu W, Schultz TF, Carlsson J, Cunningham C, Vrijenhoek R, Van Dover CL (2011) The effects of spatial scale on the population dynamics of *Ifremeria nautilei*, a hydrothermal vent endemic gastropod from the southwest Pacific. *BMC Evolutionary Biology*, 11(1): 372.
- **Thaler AD**, Vilgalys R, Van Dover CL (2011) Ascomycete phylotypes recovered from a Gulf of Mexico methane seep are identical to an uncultured deep-sea fungal clade from the Pacific. *Fungal Ecology*. doi:10.1016/j.funeco.2011.07.002.
- **Thaler AD**, Zelnio KA, Jones R, Carlsson J, Van Dover CL, Schultz T (2010) Characterization of 12 polymorphic microsatellite loci in *Ifremeria nautilei*, a chemoautotrophic gastropod from deep-sea hydrothermal vents. *Conservation Genetics Resources*. doi:10.1007/s12686-010-9174-9.

Publications: Co-authored (*indicates lead author is an undergraduate advisee)

McClain C, Balk MA, Benfield MC, Branch TA, Chen C, Cosgrove J, Dove ADM, Helm RR, Hochberg FGE, Gaskins LC, Lee FB, Marshall A, McMurray SE, Schanche C, Stone SN, **Thaler AD** (2015) Sizing Ocean Giants: Patterns of Intraspecific Size Variation in Marine Megafauna. *PeerJ*, 2: e715.

- Shiffman DS, Gallagher AJ, Wester J, Macdonald C, **Thaler AD**, Cooke SJ, Hammerschlag N (2015) A letter of clarification from the authors of "trophy fishing for species threatened with extinction". *Marine Policy*. 53: 213-214.
- Shiffman DS, Gallagher AJ, Wester J, Macdonald C, **Thaler AD**, Cooke SJ, Hammerschlag N (2014) Trophy fishing for species threatened with extinction: a way forward building on a history of conservation. *Marine Policy*. 50: 318-322.
- *Boyle EA, **Thaler AD**, Jacobson A, Plouviez P, Van Dover CL (2013) Characterization of 10 polymorphic microsatellite loci in *Munidopsis lauensis*, a squat-lobster from the southwestern Pacific. *Conservation Genetics Resources*, 5: 647-649.
- *Jacobson A, Plouviez S, **Thaler AD**, Van Dover CL (2013) Characterization of 9 polymorphic microsatellite loci in *Lamellibrachia* sp. 2, a tubeworm found at deep-sea hydrothermal vents and cold seeps. *Conservation Genetics Resources*, 5: 1005-1007.
- Collins PC, Copley J, Boschen R, Forde J, Se-Jong J, Kennedy B, Lindsay D, Marsh L, Nye V, Patterson A, Watanabe H, Yamamoto H, Carlsson J, **Thaler AD** (2013) VentBase: Developing a consensus among stakeholders in the deep-sea regarding environmental impact assessment for deep-sea mining–A workshop report. *Marine Policy*, 42: 334-336.
- *Jacobson A, Plouviez S, **Thaler AD**, Van Dover CL (2012) Characterization of 13 polymorphic microsatellite loci in *Rimicaris hybisae*, a shrimp from deep-sea hydrothermal vents. *Conservation Genetics Resources*. DOI 10.1007/s12686-012-9825-0.
- Schultz TF, Hsing P-Y, Eng A, Zelnio KA, Thaler AD, Carlsson J, Van Dover CL (2010) Characterization of 18 polymorphic microsatellite loci from *Bathymodiolus manusensis* (Bivalvia, Mytilidae) from deep-sea hydrothermal vents. *Conservation Genetics Resources*. doi: 10.1007/s12686-010-9272-8
- Zelnio KA, **Thaler AD**, Jones RE, Saleu W, Schultz TF, Van Dover CL, Carlsson J (2010) Characterization of nine polymorphic microsatellite loci in *Chorocaris* sp. (Crustacea: Caridea: Alvinocarididae) from deep-sea hydrothermal vents. *Conservation Genetics Resources*. doi:10.1007/s12686-010-9243-0.
- Forward RB, **Thaler AD**, Singer R (2007) Entrainment of the activity rhythm of the mole crab *Emerita talpoida*. *Journal of Experimental Marine Biology and Ecology*, 341(1): 10–15.

Publications: Technical Reports, Gray Literature, Book Chapters, Other

- Cabrera I, Amon D, **Thaler AD**, Peterka L, MacPherson R, Kerr J (2016) National Marine Sanctuary Designation for the Marianas Trench Marine National Monument: Completing an Environmental Legacy. Pew Global Ocean Legacy.
- Thaler AD (2016) Blogging for beginners. Science. 351(6279): 1270.
- Van Dover CL, Arnaud-Haond S, Clark MR, Smith S, **Thaler AD**, Van den Hove S (2016) Application of Biological Studies to Deep-Sea Governance and Management of Deep-Sea Resources. Clark MR, Consalvey M, Rowden AA (Eds.), *Biological Sampling in the Deep Sea*. Wiley-Blackwell.
- **Thaler AD** (2015) Marine Mining. In Wohl E (Ed.), Environmental Science. Oxford Bibliographies. DOI: 10.1093/OBO/9780199363445-0047.
- **Thaler AD** (2014) Book Review: Prager, Ellen. Sex, Drugs, and Sea Slime: The Ocean's Oddest Creatures and Why They Matter. *Biological Conservation*. 169: 344.
- **Thaler AD**, Zelnio KA, Freitag A, MacPherson R, Shiffman D, Bik H, Goldstein M, McClain C (2012) Digital Environmentalism: Tools and strategies for the evolving online ecosystem. In D. Gallagher (Ed.), *Environmental Leadership: A Reference Handbook.* SAGE Reference.
- Thaler AD (2011) Legacy of Rebirth: Lessons from Monterey Bay. *Trends in Ecology and Evolution*. DOI: 10.1016/j.tree.2011.02.002

Popular science and other writings

- Thaler AD (2008-2017) Editor-in-Chief, Southern Fried Science: 2000+ articles total. 10 million unique page views over 9 years. <u>http://southernfriedscience.com</u>
- Thaler AD (2017) Breaking into the NGO Bubble. *Chronicle Vitae*. <u>https://chroniclevitae.com/news/1822-breaking-into-the-ngo-bubble</u>

- Thaler AD (2017) Have Postdoc, Will Travel. *Chronicle Vitae*. <u>https://chroniclevitae.com/news/1778-have-postdoc-will-travel</u>
- Thaler AD (2017) No One Is Reading Those Reference Letters. *Chronicle Vitae*. https://chroniclevitae.com/news/1693-no-one-is-reading-those-reference-letters
- Thaler AD (2017) A Passion for Discovery. *OpenExplorer Journal*. <u>https://medium.com/openexplorer-journal/a-passion-for-discovery-c137665deae7#.t4ijblbiu</u>
- Thaler AD (2017) How to get your expedition noticed. *OpenExplorer Journal*. <u>https://medium.com/openexplorer-journal/how-to-get-your-expedition-noticed-1b126c068ee#.9subq58rr</u>
- Thaler AD (2016) The Secret History Behind Steller's Sea Ape. *The Portalist*. <u>https://theportalist.com/the-secret-history-behind-stellers-sea-ape</u>
- Thaler AD (2016) Building New Marine Protected Areas with Fishermen and Underwater Drones. OpenExplorer

 Journal. https://medium.com/openexplorer-journal/building-new-marine-protected-areas-with-fishermen-and-underwater-drones-d08f4e2b5f86#.890pv6kzv
- Thaler AD (2016) To Track Down Bloodsucking Lampreys, This Robot Swims Like a Fish. *Motherboard*. <u>https://motherboard.vice.com/en_us/article/to-track-down-bloodsucking-lampreys-this-robot-swims-like-a-fish</u>
- Thaler AD (2016) Backed by Lasers, Robotic Rovers Defend the Desert Tortoise. *Motherboard*. <u>https://motherboard.vice.com/en_us/article/backed-by-lasers-robotic-rovers-defend-the-desert-tortoise</u>
- Thaler AD (2016) The Postdoctoral Bait and Switch. *Chronicle Vitae*. <u>https://chroniclevitae.com/news/1593-the-postdoctoral-bait-and-switch</u>
- Thaler AD (2016) Cyborgs, Zombies, and P-values. *Chronicle Vitae*. <u>https://chroniclevitae.com/news/1449-cyborgs-zombies-and-p-values</u>
- Thaler AD (2016) The Politics of Fake Documentaries. *Slate*. <u>http://www.slate.com/articles/technology/future_tense/2016/08/the_lasting_damage_of_fake_documentarie</u> <u>s_like_mermaids_the_body_found.html</u>
- Thaler AD (2016) Managing a Successful Crowdfunding Campaign. *Chronicle Vitae*. https://chroniclevitae.com/news/1376-managing-a-successful-crowdfunding-campaign
- Thaler AD (2016) Living with deep-sea mining. Undark Magazine. <u>http://undark.org/article/deep-sea-mining-sustainably/</u>
- Thaler AD (2016) Mud, Shuck, and Spat: The future of Chesapeake Bay's oysters depends on interstate cooperation. *Hakai Magazine*. http://www.hakaimagazine.com/article-short/mud-shuck-and-spat
- Thaler AD (2016) Setting Up Your Crowdfunding Campaign. *Chronicle Vitae*. https://chroniclevitae.com/news/1346-setting-up-your-crowdfunding-campaign
- Thaler AD (2016) Can Crowdfunding Fill the Science Funding Gap? *Chronicle Vitae*. <u>https://chroniclevitae.com/news/1307-can-crowdfunding-fill-the-science-funding-gap</u>
- Thaler AD (2016) Surviving the Postdocalypse: Filling Your Knowledge Gaps. Chronicle Vitae. <u>https://chroniclevitae.com/news/1211-surviving-the-postdocalypse-filling-your-knowledge-gaps</u>
- Thaler AD (2015) How Man and Machine Unlocked the Ocean's Depths. *Motherboard.*

 http://motherboard.vice.com/read/how-man-and-machine-unlocked-the-oceans-depths
- Thaler AD (2015) How a Small Island Nation Is Saving the Humble Sea Dick. *Motherboard*. <u>http://motherboard.vice.com/read/how-a-small-island-nation-is-saving-the-humble-sea-dick</u>
- Thaler AD (2015) My Two Years as a 'Rogue Scientist' *Chronicle Vitae*. <u>https://chroniclevitae.com/news/1072-</u> my-two-years-as-a-rogue-scientist
- Thaler AD (2015) Negotiating Your Way to a Fair Adjuncting Experience. *Chronicle Vitae*. <u>https://chroniclevitae.com/news/997-negotiating-your-way-to-a-fair-adjuncting-</u> experience#sthash.4HMaIWhC.dpuf
- Thaler AD (2015) Baltimore's Garbage Wheel, Hakai Magazine, May 6, 2015, http://bit.ly/1Jr2VH1.

- Thaler AD (2015) The Rogue Scientist's Guide to Surviving the Postdocalypse. Chronicle Vitae.

 <u>https://chroniclevitae.com/news/958-the-rogue-scientist-s-guide-to-surviving-the-postdocalypse#sthash.pR58RGGR.dpuf</u>
- *Thaler AD (2015) Rockall. Motherboard. http://motherboard.vice.com/read/rockall
- Thaler AD (2014) Goat Trippin'. Modern Farmer. http://modernfarmer.com/2014/12/goat-trippin/
- Thaler AD (2014) Drones Would Revolutionize Oceanic Conservation, If They Weren't Illegal. Motherboard.

 http://motherboard.vice.com/read/drones-would-revolutionize-whale-watching-if-they-werent-illegal
- **Thaler AD** (2014) The History of Exploding Whales Is the History of the Internet Itself. Motherboard.

 <u>http://motherboard.vice.com/read/the-history-of-exploding-whales-is-the-history-of-the-internet-itself</u>
- Thaler AD (2014) Drones, Robotic Rovers and Citizen Scientists Join Forces to Sample a Lake's Biodiversity. *Scientific American*. <u>http://www.scientificamerican.com/article/drones-robotic-rovers-and-citizen-</u> <u>scientists-join-forces-to-sample-a-lakee28099s-biodiversity/</u>
- Thaler AD (2013) Why I Drowned L.A. and the World. *Zocalo Public Square*. http://www.zocalopublicsquare.org/2013/11/01/why-i-drowned-l-a-and-the-world/ideas/nexus/
- **Thaler AD** (2013) Climate Change Is Poised to Cause Chaos in the North Atlantic Herring Fishery. *Huffington Post*. <u>http://www.huffingtonpost.com/andrew-david-thaler/herring_b_3655024.html</u>.
- **Thaler AD** (2012) The horrifying physiological and psychological consequences of being Aquaman. *io9*. <u>http://io9.com/5927577/what-it-would-really-be-like-to-be-aquaman</u>.

Invited talks and Seminars

- Bureau of Ocean Energy Management: *Open-source Oceanography: New tools for community-driven marine science and conservation* (June 2017)
- NOAA Cooperative Oxford Lab: Open-source Oceanography: New tools for community-driven marine science and conservation (June 2017)
- University of Delaware: Open-source Oceanography: New tools for community-driven marine science and conservation (March 2017)
- T. Stell Newman Visitor's Center: From Surface to Abyss: Science and Exploration in the Marianas Trench Marine National Monument, Commonwealth of the Northern Mariana Islands (December 2016)
- University of Maryland Horn Point Marine Lab: *Open-source Oceanography: New tools for marine science and conservation* (November 2016)
- National Aquarium in Baltimore: Marine science and conservation via low-cost robotics (August 2015)
- University of Miami: Marine Ecology via Remote Observation in Papua New Guinea (March 2015
- Metcalf Institute for Marine and Environmental Reporting: Blogging Your Scientific Research (July 2014)
- Monterey Bay Aquarium Research Institute: *Building a low-cost, open-source CTD for science and research* (April 2014)
- California State University, Sacramento: DrownYourTown: Lessons in Climate Change Outreach through Real-time Sea Level Rise Modeling (March 2014)
- Mount Desert Island Biological Laboratory: *Diversity and Connectivity in Deep-sea Hydrothermal Vent Communities from the Caribbean and Western Pacific* (September 2013)
- University of Papua New Guinea: Biology and Diversity at Deep-sea Hydrothermal Vents (June 2008)

Research Cruises

| RV Blue Heron (4 days)—UNOLS Chief Scientist Training Cruise, Lake Superior | August 2015 |
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| RRS James Cook/ROV Isis (9 days)-sediment coring near Montserrat | March 2013 |
| RRS James Cook/ROV Isis (21 days)-population sampling at Cayman Rise hydrothermal vents | February 2013 |
| R/V Cape Hatteras (1 day)-sediment sampling off Cape Hatteras | March 2011 |
| R/V Point Lobos/ROV Ventana (1 day)-whale bone survey in Monterrey Bay | October 2009 |
| M/V NorSky/ROV ST212 (30 days)-population sampling at Manus Basin hydrothermal vents | July 2008 |
| SSV Corwith Cramer (6 days)-educational cruise for Invertebrate Zoology | January 2008 |

Conference presentations *indicates keynote talk

- *Gathering of Open-source Science Hardware (March 2017)—TALK Open Source for an Open Ocean: New tools for community-driven marine science, conservation, and exploration. **AD Thaler.**
- *International Marine Conservation Congress (August 2016)—TALK Ocean Outreach in an Evolving Online Ecosystem. **AD Thaler.**
- Focus Group on Biodiversity in Areas Beyond National Jurisdiction, IMCC4 (August 2016)—TALK 10,000 Eyes in the Ocean: Leveraging Open Science to Increase Research Capacity. **AD Thaler**, SK Sturdivant, R Neches.
- Democratizing Exploration, Conservation, and Marine Science through Low-Cost Open-Source Underwater Robots (April 2016)—AD Thaler and J Maier. WeRobot 2016, University of Miami School of Law.
- National Ocean Exploration Forum (November 2015)—TALK Social Media and the Sea. AD Thaler.
- International Marine Conservation Congress (August 2014)—TALK Toward deep-sea conservation: Defining natural population structure in hydrothermal-vent-associated species. **AD Thaler**, S Plouviez, TF Schultz, J Carlsson, CL Van Dover.
- Maker Faire (May 2014)—TALK Nerding for Nature: Bringing together technologists and environmental professionals, students and citizen scientists to help understand, protect, and revive the natural world. McGary K, Headrick S, **Thaler AD**.
- American Geophysical Union (December 2013)–POSTER Developing a low-cost open-source CTD for research and outreach. **AD Thaler** and K. Sturdivant.
- Science Online Oceans (October 2013)–SESSION Hacking the Ocean, developing novel tools for marine science and outreach. **AD Thaler**.
- 13th International Deep-Sea Biology Symposium (December 2012)–SESSION High-throughput sequencing approaches in the Deep-Sea. S Plouviez and **AD Thaler**; POSTER Comparative population genetics of two hydrothermal-vent-endemic species, *Chorocaris* spp. and *Olgasolaris tollmanni* from southwest Pacific back-arc basins. **AD Thaler**, S Plouviez, KA Zelnio, A Jacobson, D Jollivet, J Carlsson, T Schultz, CL Van Dover

VentBase (April 2012)-TALK Beyond blogging-using new media tools to reach stakeholders. AD Thaler

- Ocean Sciences Meeting (February 2012)–POSTER An assessment of microsatellite markers for conservation and management. **AD Thaler** and KA Zelnio
- Duke University Marine Lab Graduate Student Mini-Symposium (September 2011)–TALK A pragmatic assessment of microsatellite markers for conservation and management. **AD Thaler**
- Benthic Ecology (March 2011)–TALK Gene flow among populations of hydrothermal vent-endemic species from Manus Basin. **AD Thaler**, KA Zelnio, TF Schultz, C Cunningham, CL Van Dover
- Benthic Ecology (March 2010)–TALK Gene Flow and Population Structure of *Ifremeria nautilei*, a deep-sea hydrothermal-vent-endemic gastropod, from three Western Pacific Back-Arc Basins. **AD Thaler**, W Saleu, K Zelnio, R Jones, P Jo, PY Hsing, J Carlsson, T Schultz, R Vrijenhoek, CL Van Dover
- International Meeting on Chemosynthetically-based Ecosystems (June 2009)–POSTER Genetic variation and population structure of *Ifremeria nautilei* from Manus Basin. **AD Thaler**, J Carlsson, PY Hsing, P Jo, R Jones, T Schultz, CL Van Dover
- Duke University Marine Lab Graduate Student Mini-Symposium (November 2008)–TALK Dominant Fungi from Gulf of Mexico methane seep represent a previously undescribed clade. **AD Thaler**, T Schultz, CL Van Dover, R Vilgalys
- Mid-Atlantic States Mycology Conference (April 2008)–POSTER Dominant Fungi from Gulf of Mexico methane seep represent a previously undescribed clade. **AD Thaler**, T Schultz, CL Van Dover, R Vilgalys
- Ridge 2000: From mantle to microbe (March 2008)–POSTER Dominant Fungi from Gulf of Mexico methane seep represent a previously undescribed clade. **AD Thaler**, T Schultz, CL Van Dover, R Vilgalys

Workshops

Earth Optimism Summit Make-for-the-Planet Hackathon (April 2017) Washington DC, USA OpenROV Lake Tahoe Expedition (June 2016) Lake Tahoe, California, USA OpenROV Lake Tahoe Haxpedition (April 2015) Lake Tahoe, California, USA Flight for Nature (April 2014) Mare Island, California, USA Vulcan Ocean Startup Weekend (March 2014) Seattle, Washington, USA DeSSC Early Career Scientist Training Workshop (December 2013) San Francisco, California, USA Neptune Minerals Environmental Workshop (June 2012) San Diego, California, USA Nautilus Minerals Environmental Impact Assessment planning meeting (February 2012) Salt Lake City, Utah, USA ConGen–Population Genetics Data Analysis Course (August 2009) Flathead Lake Biological Station, Montana, USA

Key awards

| NOAA/Pew: Marine Ecology via Remote Observation: Capacity Building | \$32,505 | 2017 |
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| in Saipan through Low-Cost Underwater Robotics. | | |
| UNOLS: Chief Scientist Training Cruise | \$1500.00 | 2015 |
| Ocean Classrooms Foundation: #BayBots: Connecting technology | \$9996.00 | 2015 |
| and marine conservation through low-cost robotics | *== | |
| Nautilus Minerals: Capacity Building in Papua New Guinea: | \$77,798.56 | 2014 |
| Marine Ecology and Biodiversity through Remote Observation | ¢5005.00 | 2012 |
| InterRidge/ISA: Training and professional development for a visiting scholar from Papua New Guinea | \$5000.00 \$5000.00 | 2013 2012 |
| Duke University: Halsted Fellowship | Full Stipend | 2011-2012 |
| Oak Foundation: Independent Study Advisor Fellowship | Full Stipend | 2010-2011 |
| Other awards | | |
| DeSSC: Early Career Scientist travel award | \$112 | 2013 |
| Consortium of Open Access Publishing Equity: publication grant | \$1915 | 2011 |
| NESCent: Travel Award | \$200 | 2011 |
| Oak Foundation: support for ConGen Workshop | \$1,100 | 2009 |
| Ridge2000: Student Travel Grant | \$1,000 | 2009 |
| ChEss: Student Travel Grant | \$1,000 | 2009 |
| Oak Foundation: Fungal diversity in Gulf of Mexico methane seeps | \$1,997 | 2009 |
| InterRidge: Student Travel Grant | \$500 | 2007 |
| Courses, Short Courses, and Workshops Taught | | |
| Social Media for Environmental Communications (Duke) | | Fall 2017 |
| OpenROV construction, operation, and maintenance (LUMCON) | | October 2016 |
| Social Media for Environmental Communications (Duke) | | Spring 2016 |
| Social Media for Environmental Communications (Duke) | | Spring 2015 |
| BayBots: OpenROV building and operation (VIMS) | | Fall 2015 |
| Marine Ecology via Remote Observation (University of Papua New Guinea) | | October 2014 |

Undergraduate Independent Study Adviser (Duke)

Research Methods (Duke)

Students Advised

Emily Boyle (Undergraduate)–Microsatellite marker development

Social Media for Environmental Communications (Duke) Social Media for Environmental Communications (Duke)

2012-2013

Spring 2014

Spring 2013

2010-2011

Summer 2011

| Freddie Alei (Visiting scholar, Papua New Guinea)-Population structure of squat lobster | 2012 |
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| Alixandra Jacobson (Undergraduate)-Population structure of limpets | 2010-2012 |
| William Saleu (Visiting scholar, Papua New Guinea)-Population and conservation genetics | 2009–2010 |

Professional Service

Reviewer for: FACET, Frontiers In, Molecular Ecology, PLoS, BMC Evolutionary Theory, PeerJ, Journal of Fish Biology, Journal of Environmental Studies and Sciences, Annual Research & Review in Biology, NOAA, NSF **Working Groups:** VentBase, InterRidge Liaison Panel for guidelines on exploration at hydrothermal vents, Indeep Connectivity Working Group, SCB Conservation Marketing

Professional Societies: Deep Sea Biology Society, Society for Conservation Biology. Society of American Naturalists, The Oceanography Society

Outreach: Southern Fried Science and related properties (<u>http://www.southernfriedscience.com/</u>: 2,000,000+ annual unique visitors), Oceanography for Everyone (<u>http://oceanographyforeveryone.com/</u>: developing low-cost, open-source oceanographic instruments)