

## **Celia Cackowski**

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### **Summary**

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A biologist by training, I spent several years in marine research before switching gears into public outreach. I now work in support of ocean literacy by developing digital media for global audiences, facilitating professional development for science teachers, and mentoring graduate students with an interest in science communication.

### **Education**

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Duke University / Nicholas School of the Environment – Durham, NC  
Executive Certificate in Science Communication (2023)

Miami University / Global Field Program – Oxford, OH  
Master of Arts in Biology, Focus in Ecology & Integrative Conservation (2025)

University of Rhode Island / Graduate School of Oceanography – Narragansett, RI  
32 graduate credits in Biological Oceanography (2003-2005)

Roger Williams University / Feinstein College of Natural Sciences – Bristol, RI  
Bachelor of Science in Marine Biology, Minor in Botany & Horticulture (1997)

### **Professional Experience**

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2025 - present	Digital Resources Coordinator, William & Mary's Batten School & VIMS - Gloucester Point, VA
2016 - 2025	Marine Education Specialist, Virginia Institute of Marine Science - Gloucester Point, VA
2013 - 2014	Scientist in Residence, Riverzedge Arts Green Design Lab GED Program - Pawtucket, RI
2005 - 2013	Marine Research Specialist, URI Graduate School of Oceanography - Narragansett, RI
2003 - 2005	NSF Graduate Teaching Fellow (GK-12), University of Rhode Island - Narragansett, RI
2001 - 2003	Research Technician, Georgia DNR Coastal Resources Division - Brunswick, GA
1999 - 2001	Research Technician, Virginia Institute of Marine Science - Wachapreague, VA

### **Selected Outreach Programs**

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- Marine Education Exchange <[marineeducationexchange.org](http://marineeducationexchange.org)> (2025 - present)
- Hōkūleʻa / Moananuiākea Pacific Knowledge Network <[hokulea.com](http://hokulea.com)> (2025 - present)
- Bridge Ocean Education Resource Center <[bridgeoceaneducation.org](http://bridgeoceaneducation.org)> (2016 - present)
- Camp Launch Marine Science Immersion Program <[education.wm.edu](http://education.wm.edu)> (2020 - 2025)
- Virginia Scientists & Educators Alliance <[vims.edu/vasea](http://vims.edu/vasea)> (2016 - present)
- Science of Shellfish Aquaculture / Master Oyster Gardener Program (2018 - present)
- DigIn: Digitizing Biodiversity Initiative <[digin-tcn.org](http://digin-tcn.org)> (2023 - 2025)
- Inner Space Center/Nautilus Live <[innerspace.org](http://innerspace.org), [nautiluslive.org](http://nautiluslive.org)> (2010 - 2013)
- Census of Marine Life Education & Outreach Team <[coml.org](http://coml.org)> (2005 - 2010)
- Discovery of Sound in the Sea <[dosits.org](http://dosits.org)> (2003 - 2005)
- Hurricanes: Science & Society <[hurricanescience.org](http://hurricanescience.org)> (2008 - 2010)

## **Selected Courses & Workshops**

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Saltmarsh Science: An Ecosystem Services Workshop for Teachers (2025)

Co-facilitated a professional development workshop for middle and high school teachers

Finding Your Broader Impacts Identity (2024-present)

Co-facilitate a professional development workshop for graduate students

Introduction to the ERP/CCRM Tidewater Environmental Justice Tool (2024)

Facilitated a teacher focus group and lesson workshop for a new online tool developed at VIMS CCRM

SciComm Gets Social! (2022-present)

Facilitate a science communication workshop for undergraduates participating in the VIMS REU program

VIMS / Virginia Coastal Ecosystems Field Course (2016-present)

Co-facilitate a five-day intensive with evening lectures and daytime field trips to six coastal habitats

VIMS / Ocean Literacy Workshops (2022-present)

Co-facilitate full and half-day professional development workshops for K-12 educators

VIMS / TOGA Master Oyster Gardeners Certificate (2017-present)

Co-facilitate 10 virtual classroom sessions + 3 Saturday lab/field sessions

VIMS / VA SEA Graduate Student Workshops (2016-present)

Co-facilitate pedagogy and science communication workshops for marine science graduate students

VIMS / Camp Launch (2021-present)

Co-facilitate two-week immersive oceanography experience for high school students

URI GSO / OCG 507: Oceanography for Educators (2004-2007)

Co-facilitated 10 classroom sessions + 3 Saturday field sessions

URI GSO / NOAA Ocean Exploration & Research, *Why Do We Explore?/How Do We Explore?* (2010-2013)

Co-facilitated full-day land and ship-based intensives for science educators teaching grades 5-12

URI GSO / American Meteorological Society, DataStreme Ocean (2010-2012)

Member of regional team mentoring and evaluating educators participating in 13-week online course

## **Invited Talks**

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The Expert is In, Sant Ocean Hall, Smithsonian Museum of Natural History, Washington, DC (2017)

Deep Sea Discoveries, MIT 150<sup>th</sup> Anniversary Exhibit, MIT Museum, Cambridge, MA (2012)

The Evolution of Ocean Exploration, Twenty x 20 Speaker Series, Providence, RI (2012)

Discoveries of the Census of Marine Life, Twenty x 20 Speaker Series, Providence, RI (2010)

Discoveries of the Census of Marine Life, Explorers Club, New England Chapter, Boston, MA (2010)

Discovery of Sound in the Sea, Boston Museum of Science, Boston, MA (2007)

## **Invited Panels**

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Broader Impacts Panel, Ocean Observatories Initiative Community Workshop, Norfolk, VA (2024)

Marine Science Mashup, College of William & Mary, Williamsburg, VA (2022 - present)

Marine Careers Panel, VIMS REU Program, Gloucester Point, VA (2017 – present)

Ocean Literacy Panel, Naval STEM Forum, Office of Naval Research, Arlington, VA (2007-2009)

Explorers In House, Hasbro Inspiration Day, Pawtucket, RI (2008, 2010, 2011)

## Journal Articles, Book Chapters & Major Reports

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Nuss, S. M., Caputo, A., Lawrence, L., Gardiner, G. **Cackowski, C.**, and Smith, B. (2025). Underserved Students' Conceptualization of Ocean Scientists Including Self-Identity as a Scientist. In *Ocean Literacy: The Foundation for the Success of the Ocean Decade*. Springer Publishing Company.

Bruno, B.C., **Cackowski, C.**, Frederick, J.A., Vincent, R., Bennet, A., Böttjer-Wilson, D., Cooper, H., Engels, J., Flight, C., Lang, A., Lawrence, L.A., Smith, B., & Takacs, J. (2024). Applied Education Programming: Best Practices in Environmental Literacy and Teacher Professional Development. *Oceanography*.

Brill, C. H., Lawrence, L. A., **Cackowski, C.**, Nuss, S. M., & Sharpe, K. N. (2019). Out of the Tower and into the Classroom: Marine Science Graduate Students as K-12 Classroom Contributors. In *Exemplary Practices in Marine Science Education: A Resource for Practitioners and Researchers*. Springer Publishing Company.

Nuss, S. M., Sharpe, K. N., Brill, C. H., Lawrence, L. A., & **Cackowski, C.** (2019). Building Capacity for Meaningful Watershed Educational Experiences. In *Exemplary Practices in Marine Science Education: A Resource for Practitioners and Researchers*. Springer Publishing Company.

CoML Secretariat. (2011). Scientific Results to Support the Sustainable Use and Conservation of Marine Life: A Summary of the Census of Marine Life for Decision Makers.

CoML Secretariat. (2010). First Census of Marine Life: Highlights of a Decade of Discovery.

**Cackowski, C.** The Census of Marine Life: Bringing a Decade of Global Research into the Classroom. (2010). *The Earth Scientist* (Special Issue on World Oceans). Volume XXIV, Issue 1, 18-22.

Woodward, A. G., J. R. Foster, **C. E. Cackowski**, D. M. McDowell, R. L. Michaels. (2004). A Pictorial Guide to Ageing Selected *Sciaenidae*, *Sparidae*, and *Bothidae* species using Sagittal Otoliths. ACCSP Report.

## Associated Press Articles (10-15 page articles written collaboratively as a part of the CoML E&O Team)

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23 Sep 2010	<i>Census Shows Life in Ocean is Richer, More Connected, More Altered than Expected</i>
2 Aug 2010	<i>Census of Marine Life Publishes Historic Roll Call of Species in 25 Key Ocean Areas</i>
18 April 2010	<i>Explorers Inventory Hard-to-See Sea Life: Tiny but Mighty Microbes, Plankton, Larvae</i>
29 Nov 2009	<i>Edge of Darkness to the Black Abyss: Scientists Census 17,500+ Species &amp; Counting</i>
15 Oct 2009	<i>Census Explorers Find Hundreds of Identical Species Thrive in Both Arctic and Antarctic</i>
24 May 2009	<i>Describing Ocean Life Past, Researchers Upend Notions of Animal Size, Abundance</i>
19 Sept 2008	<i>Explorers Find Hundreds of Undescribed Corals, Other Species on Australian Reefs</i>
24 June 2008	<i>List of Ocean Species Surpasses 120,000, Halfway to Goal of Complete Inventory</i>
16 May 2008	<i>Explorers Marvel at "Brittlestar City" Thriving in Powerful Current Swirling Antarctica</i>
7 Aug 2007	<i>Marine Historians Detail Collapse of Once Abundant Tuna Population off Europe</i>
25 Feb 2007	<i>Antarctic Explorers Reveal Hints of Biological Change After Collapse of Polar Ice Shelves</i>
31 July 2006	<i>Ocean Microbe Census Discovers Diverse World of Rare Bacteria</i>
4 May 2006	<i>Diverse Life Revealed on Landmark Atlantic Cruise to Census Zooplankton and Animals</i>
22 Feb 2006	<i>Absence of Sharks from Abyssal Regions of the World's Oceans</i>
14 Dec 2005	<i>"Fish with Chips" Reporting Across the Pacific, Top Highlights at Census Mid-Point</i>
24 Oct 2005	<i>Restaurant Seafood Prices Since 1850s Help Plot Marine Harvests Through History</i>
29 July 2005	<i>Census of Marine Life Explorers Surprised by Diversity, Density of Arctic Creatures</i>

## Selected Presentations & Posters

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**Cackowski, C.** (2025, March). *VIMS Marine Education Resources* [conference presentation]. National Science Teachers Association Conference – Philadelphia, PA.

**Cackowski, C.** (2024, December). *Camp Launch: Immersive Marine Science Experiences for Underserved Students* [poster]. American Geophysical Union 2024 Meeting - Washington, DC

**Cackowski, C.** (2024, December). *Virginia Scientists & Educators Alliance* [poster]. American Geophysical Union 2024 Meeting - Washington, DC

**Cackowski, C.** (2024, November). *Invasive Shrimp: No Small Matter* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Williamsburg, VA.

Lawrence, L., Parmentier, H., & **Cackowski, C.** (2024, October). *Broader Impacts for Graduate Students* [conference presentation]. Mid-Atlantic Sea Grant Regional Meeting. Virginia Beach, VA.

**Cackowski, C.** (2023, November). *Sea Nettles: What Are the Chances?* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Roanoke, VA.

**Cackowski, C.** (2023, November). *Sea Nettles: What are the Chances?* [poster]. Mid-Atlantic Marine Educators Association (MAMEA) Annual Conference, Solomons, MD.

**Cackowski, C.,** Nuss, S., Caputo, A., & Smith, B. (2023, November). *Bye-Bye, Bycatch and Hello Terrapin Town!* [conference presentation]. Mid-Atlantic Marine Educators Association (MAMEA), Solomons, MD.

**Cackowski, C.** (2022, November). *Translating Research Into K-12 Lesson Plans: A Workshop for Graduate Students* [conference presentation]. Mid-Atlantic Sea Grant Regional Meeting, Ocean City, MD.

Nuss, S., Thayer, M., Lawrence, L. **Cackowski, C.,** & Smith, B., (2022, July). *Shifting Sands and Drones Tracking Groundwater: Research translated to K-12 classrooms* [conference presentation]. 2022 National Marine Educators Association Conference, virtual.

Nuss, S., Thayer, M., Lawrence, L. **Cackowski, C.,** & Smith, B., (2022, July). *Shifting Sands and Drones Tracking Groundwater: Research translated to K-12 classrooms* [conference presentation]. 2022 National Marine Educators Association Conference, virtual.

**Cackowski, C.** (2021, July). *The Great Humpback Comeback!* [conference presentation]. National Marine Educators Association Conference, Virtual.

**Cackowski, C.** (2021, July). *Whale Shark Migration: Tracking Elusive Animals* [conference presentation]. National Marine Educators Association Conference, Virtual.

**Cackowski, C.** (2021, November). *Chesapeake Oyster Reef Recovery* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Virtual.

Lawrence, L., Nuss, S., Smith, B., **Cackowski, C.,** & Rudo, T. (2020, November). *Plankton poop to DNA: Graduate level research translated for K-12 classrooms* [conference presentation]. 2020 Virginia Association of Science Teachers Professional Development Institute, virtual.

Nuss, S., Lawrence, L., Smith, B., **Cackowski, C.**, & Rudo, T. (2020, November). *Muck to radiocarbon: Graduate level research translated for K-12 classrooms* [conference presentation]. 2020 Virginia Association of Science Teachers Professional Development Institute, virtual.

**Cackowski, C.** (2020, February). *The Bridge DATA Series: Translating Your Research Into K-12 Lesson Plans* [conference presentation]. Virginia Sea Grant Graduate Symposium, Richmond, VA.

**Cackowski, C.** (2019, November). *Ghostbusting the Chesapeake* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Roanoke, VA.

**Cackowski, C.** (2019, November). *Coral Bleaching: A White-Hot Problem* [conference presentation]. Mid-Atlantic Marine Education Association Conference, Wallops Island, VA.

**Cackowski, C.** (2019, March). *Hold the Anchovies! Impacts of the Pacific Decadal Oscillation on Fish Populations* [conference presentation]. NSTA National Conference on Science Education, St. Louis, MO.

**Cackowski, C.** (2018, November). *Haunted by Hurricanes* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Williamsburg, VA.

**Cackowski, C.** (2018, November). *Tsunami: Waves of Destruction* [conference presentation]. Mid-Atlantic Marine Education Association Conference, Portsmouth, VA.

**Cackowski, C.** (2018, July). *Mapping Sea Level Trends in the Classroom* [conference presentation]. National Marine Educators Association Conference, Long Beach, CA.

**Cackowski, C.** (2018, March). *Flotsam & Jetsam: A Little Litter Goes a Long Way* [conference presentation]. NSTA National Conference on Science Education, Atlanta, GA.

**Cackowski, C.** (2018, November). *Hook 'Em Young: Getting Your Research Into K-12 Classrooms* [conference presentation]. Mid-Atlantic Sea Grant Regional Meeting, Corolla, NC.

**Cackowski, C.** (2017, November). *Plate Tectonics: Recycling the Seafloor* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Roanoke, VA.

**Cackowski, C.** (2017, November). *Ghostbusting the Chesapeake: Mapping Derelict Crab Traps* [conference presentation]. Mid-Atlantic Marine Education Association Conference, Ocean City, MD.

Eaton, A, Dilullo, D., & **Cackowski, C.** (2017, October). *ELWD Blues: Expanding Environmental Literacy & Workforce Development* [workshop presentation]. National Sea Grant Academy Meeting, Astoria, OR.

**Cackowski, C.** (2017, July). *Where's the Beach? Measuring Coastal Erosion* [conference presentation]. National Marine Educators Association Conference, Charleston, SC.

Lawrence, L. & **Cackowski, C.** (2017, April). *Virginia Scientists & Educators Alliance (VA SEA) Lesson Plan Collection* [conference presentation]. Math Science Innovation Conference, Richmond, VA.

**Cackowski, C.** (2016, November). *The Bridge Ocean Science Education Resource Center* [poster and exhibit]. Virginia Science Education Leadership Association Meeting, Richmond, VA.

**Cackowski, C.** (2016, November). *Saving Sturgeon: The Return of the Giants* [conference presentation]. Virginia Association of Science Teachers Professional Development Institute, Williamsburg, VA.

**Cackowski, C.** (2017, April). *The Bridge Ocean Education Resource Center* [workshop presentation]. National Sea Grant Academy Spring 2017 Cohort Meeting, Annapolis, MD.

**Cackowski, C.** (2016, November). *Satellites & Storms: Remote Observation in Forecasting* [conference presentation]. Mid-Atlantic Marine Education Association Conference, Dewey Beach, DE.

**Cackowski, C.** (2016, July). *Diversity of the Deep: Hydrothermal Vent Assemblages* [conference presentation]. National Marine Educators Association Conference, Orlando, FL.

**Cackowski, C.** (2016, March). *Cold One Day, Warm Another? Exploring Nearshore Upwelling* [conference presentation]. NSTA National Conference on Science Education, Nashville, TN.

**Cackowski, C.** (2012, November). *Utilizing Telepresence to Bring Real-Time Research to K-12 Classrooms* [conference presentation]. NEOSEC Ocean Literacy Summit. Narragansett, RI.

**Cackowski, C.** (2012, June). *The Inner Space Center: Mission Control for Oceanographic Research* [conference presentation]. Naval STEM Invitational Forum, Office of Naval Research, Alexandria, VA.

**Cackowski, C.** (2011, March). *Utilizing Telepresence to Bring Real-Time Research to K-12 Classrooms* [conference presentation]. NSTA National Conference on Science Education, San Francisco, CA.

**Cackowski, C.** (2011, March). *The Census of Marine Life: Highlights of a Decade of Discovery* [conference presentation]. NSTA National Conference on Science Education, San Francisco, CA.

**Cackowski, C.** (2010, November). *The Census of Marine Life: Highlights of a Decade of Discovery* [conference presentation]. NEOSEC Ocean Literacy Summit, Durham, NH.

**Cackowski, C.** (2010, October). *Education & Outreach Products from the Census of Marine Life* [poster]. J. Frederick Grassle Symposium, The Royal Society, London, UK.

Knowlton, C., McIntyre, D. & **Cackowski, C.** (2010, October). *Educational Highlights from a Decade of Discovery* [press briefing]. Release of the Census of Marine Life, The Royal Institution, London, UK.

**Cackowski, C.** (2010, July). *Visual Insight: Communicating Science Through Art* [meeting presentation]. Rhode Island School of Design, Providence, RI.

**Cackowski, C.** (2010, March). *Census of Marine Life: Bringing a Decade of Global Research to Your Classroom* [conference presentation]. NSTA National Conference on Science Education, Philadelphia, PA.

**Cackowski, C.** (2009, March). *Hurricanes: Science & Society* [conference presentation]. NSTA National Conference on Science Education, New Orleans, LA.

**Cackowski, C.** (2008, March). *Discovery of Sound in the Sea* [conference presentation]. NSTA National Conference on Science Education, Boston, MA.

Harding, J. & **Cackowski, C.** (2007, November). *Showcasing Your Science: Interpreting Data for Public Audiences* [conference presentation]. Census of Marine Life All Participant Meeting, Auckland, NZ.

## **Other Contributions to Marine Education & Outreach**

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- Assisted in the design of public exhibits for the Mystic Aquarium & Institute for Exploration, the Louisiana State Museum, the URI Coastal Institute, and NOAA Ocean Today interactive kiosks
- Contributed scripted voiceover tracks to 30+ short videos for University of Rhode Island, Ocean Exploration Trust, Mystic Aquarium & Institute for Exploration, and Virginia Sea Grant
- Credited photos published in Oceanography, New Frontiers in Ocean Exploration, NatGeo Kids, GEO, Zeit Wissen, Rhode Island Monthly, Atlas Obscura, Navigating a New Arctic, and others
- 60+ short articles contributed to CoML.org, ecoRI, Georgia Sound, Masthead, and The Nauplius

## **Professional Service to VIMS & Virginia Sea Grant**

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VIMS Diversity, Equity & Inclusion (DiveIn) Committee (Member) 2025 - present  
VIMS Professional & Professional Faculty Council (Vice Chair) 2019 - 2023  
VIMS Professional & Professional Faculty Council (Elected Member) 2017 - 2023  
VIMS Research Experience for Undergraduates (Science Communication Workshop) 2020 - present  
VIMS Research Experience for Undergraduates (Career Panelist) 2016 - present  
Mid-Atlantic Sea Grant (Regional Planning Committee Member) 2019 - 2021, 2024  
Virginia Aquaculture Conference (Session Logistics Team) 2022-present  
Virginia Sea Grant Symposium (Graduate Student Presentation Judge) 2020, 2024  
Virginia Sea Grant Symposium (Graduate Student Poster Session Judge) 2018, 2020, 2024  
Society for Women in Marine Science (VIMS Staff Representative) 2018 - 2020  
National Ocean Sciences Bowl, Blue Crab Bowl (Moderator) 2016 - present

## **Professional Service Outside of VIMS & Virginia Sea Grant**

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Mid-Atlantic Marine Education Association (Presidents Chain) 2025-2028  
*President-Elect (2025-2026), President (2026-2027), Past President (2027-2028)*  
Mid-Atlantic Marine Education Association (At-Large Board Member) 2024 – 2025  
Current: The Journal of Marine Education (Reviewer) 2020 – present  
American Fisheries Society, Tidewater Chapter Annual Meeting (Logistics Team) 2021, 2024  
Mid-Atlantic Marine Education Association (Masthead Newsletter Editor) 2017 – 2019  
Southeastern New England Marine Educators (Webmaster) 2010 - 2013  
The Wildlife Society, Virginia Chapter (Graduate Student Presentation Judge) 2020, 2021  
NSTA/ASTC Connected Science Learning Journal (Guest Reviewer) 2018  
National Ocean Sciences Bowl, Quahog Bowl (Rules Judge) 2004 – 2013

## **Professional Recognition**

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Massey Medallion, 2018  
Awarded by the VIMS Foundation Board for Exemplary Service in Support of the Institute  
  
Congressional Service Award, 2014  
Awarded by US Congressman Jim Langevin for Excellence in Mentoring & STEM Workforce Development

## Continuing Education

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Sea Grant Aquaculture Leadership Academy, Ten month professional development program, 2024  
Miami University, DEI Leadership Certificate, 2023 (online faculty PD series, 16 modules)  
The Story Collider, Two-day immersion workshop for researchers on developing science stories, 2022  
Sea Grant Educator Network Workshops, 2020 – present (monthly “best practices” PD series)  
NOAA “Deep Dive” Professional Development Series, 2020 - 2024 (quarterly educator PD series)  
University of Turin/EIT, Science Communication & Public Engagement, 2020 (executive ed course)  
Elsevier Researcher Academy, Demonstrating Societal Impacts of Research, 2020 (short course)  
Elsevier Researcher Academy, Ensuring Public Visibility of Research 2020 (short course)  
Elsevier Researcher Academy, Certified Peer Reviewer Course, 2020 (short course/certification exam)  
The Alda Center for Communicating Science, Two-day immersion workshop for researchers, 2019  
National Sea Grant Academy, Twelve month professional development program, 2017  
Green Education Foundation/GEF Institute, Certificate in Sustainability Education, 2013  
Massachusetts Department of Education, Teaching Certificate in Earth Science (Grades 6-12), 2013

## Funding History

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**Co-Principal Investigator.** *Navigating Together: Indigenous and Scientific Collaboration for Coastal & Ocean Health.* VIMS Fund for Strategic Initiatives. Principal Investigator: Havens. Co-PIs: Reece, Song, Seeley, Scheld, Michaelis, Rudders, Hein, Stanhope, Cackowski, Mapes. Award: \$46,836.

**Principal Investigator.** *Promoting Careers in Sustainable Fisheries, Aquaculture, and the Marine Trades.* Chesapeake Bay Restoration Fund. Term: 2025-2026. Award: \$1,500.

Project Staff (Subaward). *Acidification on the Half Shell.* Mid-Atlantic Coastal Acidification Network. Principal Investigator: Wakefield. Term: 2024 – 2027.

**Co-Principal Investigator.** *Virginia Young Fisherman’s Initiative.* National Oceanic and Atmospheric Administration. Principal Investigator: White. Term: 2024-2026. Award: \$14,992.

Project Staff (Proposal Submitted). *Enhancing Ecosystem and Community Resilience, Critical Habitat and Fishery Resources of the Tangier Island Fishing Community Using Natural and Nature-Based Features, Living Shorelines and Oyster Reefs.* National Oceanographic and Atmospheric Administration. Principal Investigator: Lipcius. Requested: \$175,154.

Project Staff. *Ocean Literacy and Workforce Development.* Virginia Sea Grant Omnibus Proposal 2024-2027. National Oceanic and Atmospheric Administration. PI: Hartley. Award: xxx

Project Staff. *Virginia Young Fisherman’s Initiative.* National Oceanic and Atmospheric Administration. Principal Investigator: Borsetti. Co-PI: White. Term: 2022-2023. Award: \$15,000.

Project Staff. *Biotic and abiotic drivers of pathogen transmission in marine system under the influence of climate change.* National Science Foundation. Principal Investigator: Lipcius. Co-PIs: Shields, Reece, Shields & Shaw. Term: 2022 – 2027. Award: \$222,430.

Project Staff. *Ocean Literacy and Workforce Development.* Virginia Sea Grant Omnibus Proposal 2022-2023. National Oceanic and Atmospheric Administration. PI: Hartley. Award: \$777,651



Project Staff. *Teachers on the Estuary: A Field Course on Virginia's Coastal Ecosystems*. Chesapeake Bay Restoration Fund. Principal Investigator: Nuss. Co-PI: Lawrence. Term: 2019-2020. Award: \$5,940.

**Principal Investigator.** *Preventing spills at their source: Educating boaters about best practices for using fuel fill devices at Virginia marinas*. Chesapeake Bay Restoration Fund, Virginia Division of Legislative Services. Term: 2019-2020. Award: \$18,500

Project Staff. *Fishes & Fishing: A STEM Foundation for Meaningful Watershed Educational Experiences*. Chesapeake Bay Restoration Fund, Virginia Division of Legislative Services. Principal Investigator: Lawrence. Co-PI: Brill. Term: 2018-2019. Award: \$1,200.

Project Staff. *Ocean Literacy and Workforce Development*. Virginia Sea Grant Omnibus Proposal 2018-2021. National Oceanic and Atmospheric Administration. PI: Hartley. Award: \$7,905,864.

Project Staff, *Virginia Scientists & Educators Alliance (VA SEA)*.

Project Staff. *Ocean Literacy and Workforce Development*. Virginia Sea Grant Omnibus Proposal 2014-2017. National Oceanic and Atmospheric Administration. PI: Hartley. Award: \$7,944,796.

Project Staff. *Full-Scale Development: Oceanus*. National Science Foundation, National Geographic Television. Award Number:1114251. Principal Investigator: Culpepper. Co-PI: Lipworth. Term 2011-2013. Award: \$1,506,472.00.

Project Staff. *NOAA-OER Partnership with the URI Inner Space Center to Support Systematic Ocean Exploration 2013 and 2014 Seasons*. National Oceanic and Atmospheric Administration. Principal Investigator: Ballard. Co-PI: Coleman. Term: 2012-2014. Award: \$300,000.

Project Staff. *Continued Exploration of New Frontiers in Ocean Discovery*. National Oceanic and Atmospheric Administration. Principal Investigator: Ballard. Co-PIs: Coleman, Croft-Bell. Term: 2012-2013. Award: \$3,200,000.

Project Staff. *URI Inner Space Center: A NOAA Partnership to Support Systemic Ocean Exploration*. National Oceanic and Atmospheric Administration. Principal Investigator: Ballard. Co-PI: Coleman. Term: 2011-2013. Award: \$250,000.

Project Staff. *New Frontiers in Ocean Exploration*. National Oceanic and Atmospheric Administration. Principal Investigator: Coleman. Co-PI: Ballard. Term: 2011-2012. Award: \$3,400,000.

Project Staff. *Education, Outreach, and Remote Science (Pilot)*. Department of Commerce. Principal Investigator: Coleman. Term: 2010-2011. Award: \$299,920

Project Staff. *New Frontiers in Ocean Exploration*. National Oceanic and Atmospheric Administration. Principal Investigator: Coleman. Co-PI: Ballard. Term: 2010-2011. Award: \$3,000,000.

Project Staff. *Deep Submergence Vehicles and Telepresence Education*. National Oceanic and Atmospheric Administration. Principal Investigator: Ballard Co-PI: Coleman. Term: 2009-2011. Award: \$413,232.

Project Staff. *Robotics, Engineering, and Telepresence*. Office of Naval Research, United States Navy. Principal Investigator: Ballard. Term: 2005-2006. Award: \$356,821

Project Staff. *Discovery of Coastal Environments*. State of RI. Principal Investigator: Hickox. Co-PIs: Scowcroft, Knowlton. Term: 2005-2006. Award: \$34,973.

Project Staff. *A Strategic Approach to Education and Outreach for the Census of Marine Life*. Alfred P. Sloan Foundation. Principal Investigator: Hickox. Co-PI: Scowcroft. Term: 2005-2006. Award: \$750,000.

Project Staff. *Sea Research Foundation, comprising Mystic Aquarium, the Institute for Exploration, and Immersion Learning, will implement its distance learning curricula to further inspire youth in science, math, and technology through exploration and discovery*. Institute of Museum and Library Services. Principal Investigator: Ballard. Term: 2010-2011. Award: \$122,037.

Project Staff. *Project Inner Space*. Principal Investigator: Hickox. Co-PI: Coleman. State of Rhode Island. Term: 2009-2011. Award: \$800,000.

Project Staff. *Using the Inner Space Center for Grade 4-9 Educational Programming*. Principal Investigator: Ballard. National Oceanic & Atmospheric Association. Term: 2009-2011. Award: \$80,000.

Project Staff. *Collaborative Research: Hurricane Katrina, What Have We Learned?* Principal Investigator: Ginnis. Co-PIs: Scowcroft & Knowlton. National Science Foundation. Term: 2008-2013. Award: \$392,809.

Project Staff. *Discovery of Sound in the Sea*. Office of Naval Research, United States Navy. Principal Investigator: Ballard. Term: 2006-2007. Award: \$178,582

Project Staff. *The Development of AUV systems for Telepresence Research and Outreach*. Office of Naval Research, United States Navy. Principal Investigator: Ballard. Term: 2009-2011. Award: \$663,861.

Project Staff. *Using the Inner Space Center for Grade 4-9 Educational Programming*. Department of Commerce. Principal Investigator: Coleman. Term: 2010-2012. Award: \$172,272.

Project Staff. *To launch online open access article collections for the Census of Marine Life and to prototype hubs as a new way to organize scientific literature for scholarly and public benefit*. Alfred P. Sloan Foundation. Principal Investigator: Hickox. Term: 2009-2010. Award: \$125,000.

Project Staff. *Support of the US National Committee for the Census of Marine Life*. National Oceanic and Atmospheric Administration. Principal Investigator: Yarincik. Term: 2009-2012. Award: \$200,000.

Project Staff. *Toward the First Census of Marine Life: Education & Outreach*. Alfred P. Sloan Foundation. Principal Investigator: Yarincik. Co-PIs: Hickox, Scowcroft. Term: 2008-2009. Award: \$1,266,271.

Project Staff. *Discovery of Coastal Environments*. State of Rhode Island. Principle Investigator: Knowlton. Term: 2007-2008. Award: \$78,308.

Project Participant. *Rhode Island Marine and Environmental Graduate Teaching Fellows in K-12 Education*. National Science Foundation, Award Number:0231834. Principal Investigator: Merrill. Co-PIs: Scowcroft & Hickox. Term: 2003-2005. Award: \$1,767,254.

Project Staff. *Collaborative Research: A Field Test of Source-Sink Dynamics in Marine Systems: Linking Recruitment, Dispersal and Post-Settlement Processes in Space and Time*. Directorate for Geosciences. Principal Investigators: Lipcius, Mann, Luckenbach. Term: 1998-2001, Award: \$145,126.

## **Research & Field Experience**

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Vermillion Sea Field Station, Bahía de los Ángeles, Baja California, Mexico (2025)  
Estación Científica Charles Darwin, Puerto Ayora, Galapagos Islands, Ecuador (2022)  
University of Auckland Leigh Marine Laboratory, Leigh, New Zealand (2007)  
URI Graduate School of Oceanography, Narragansett, RI, United States (2003-2005)  
Narragansett Bay National Estuarine Research Reserve, Prudence Island, RI, United States (2004-2005)  
Georgia DNR Coastal Resources Division, Brunswick, GA, United States (2001-2003)  
VIMS Eastern Shore Laboratory, Wachapreague, VA, United States (2000-2001)  
Grice Marine Laboratory, Charleston, SC, United States (1997-1998)  
Hofstra University Marine Laboratory, St. Ann's Bay, Jamaica, West Indies (1995-1996)

## **Volunteer Service / Contributions to Community Science**

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2025 - present    Kiva Ambassador, Kiva.org - San Francisco, CA  
2025 - present    Citizen Archivist, US National Archives - Washington, DC  
2025 - present    Wildbook Volunteer, Conservation X Labs - Washington, DC  
2010 - present    Zooniverse Project Volunteer, University of Oxford - Oxford, UK  
1997 - 1998      AmeriCorps Member, National Civilian Community Corps - Charleston, SC

## **Professional Memberships**

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The Oceanography Society (TOS) / 2003 - present  
Sea Grant Educator Network (SGEN) / 2016 - present  
National Broader Impacts Network (ARIS) / 2020 - present  
National Marine Educators Association (NMEA) / 2008 - present  
Mid-Atlantic Marine Education Association (MAMEA) / 2016 - present  
European Marine Science Education Association (EMSEA) / 2023 - present  
International Pacific Marine Education Network (IPMEN) / 2020 - present