

# Nicole N. Nakata

Curriculum Vitae, 15 August 2026  
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University of Alaska Southeast  
Department of Natural Sciences  
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## EDUCATION

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|------|-------------------------------------------------------------------|------------------------------------------------|
| 2023 | <b>PhD Biology</b> , PI: Richard B. Emlet                         | <b>University of Oregon OIMB</b>               |
| 2017 | <b>MS Biology</b> (ABD), PI: Patrick J. Krug                      | <b>California State University Los Angeles</b> |
| 2013 | <b>BS Ecology &amp; Evolutionary Biology</b> , PI: Thomas J. Near | <b>Yale University</b>                         |

## PROFESSIONAL EXPERIENCE

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| 2027–2026 | <b>Term Faculty</b> , University of Alaska Southeast (UAS), Juneau, AK                                                                                                                                                                                        |
| 2026–2024 | <b>Postdoctoral Researcher and Instructor</b> , UAS, Juneau, AK<br>Alaska Established Program to Stimulate Competitive Research: Interface of Change (EPSCoR IoC). PI: Brenda Konar, Project Leads: Julie B. Schram (Bivalves), Schery Umanzor (Red Seaweeds) |
| 2024      | <b>Adjunct Instructor</b> , University of Oregon (UO), Eugene, OR and University of Oregon's Oregon Institute of Marine Biology (UO OIMB), Charleston, OR                                                                                                     |

## PUBLICATIONS

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ORCID: 0000-0001-6404-5193

Undergraduate, <sup>MS</sup>MS, or <sup>PHD</sup>PhD student at time of authorship

**Nakata, N.N.**, & Emlet, R.B. (2026). Brittle stars in the plankton: Descriptions of larvae and developing juveniles of the northeastern Pacific Ocean, with a key for their identification. *Invertebrate Biology*, 144(4), 00035. <https://doi.org/10.71161/ivb.144.4.2025.00035>

**Nakata, N.N.**, & Emlet, R.B. (2023). Having cake and eating too: The benefits of an intermediate larval form in a brittle star *Amphiodia* sp. opaque (Ophiuroidea). *Ecology and Evolution*, 13(7), <https://doi.org/10.1002/ece3.10298>

Non-peer reviewed publications:

**Nakata, N.N.** (2023). *Evolution of developmental pattern and larval form in the ophiuroids of Oregon and beyond* [Doctoral dissertation, University of Oregon]. ProQuest Dissertations & Theses Global.  
<https://www.proquest.com/openview/9976849eaf0564f64618a7b8b3795e45/1?pq-origsite=gscholar&cbl=18750&diss=y>

Publications in prep:

Gaylord, M., **Nakata, N.N.**, Schram, J.B. (in prep). The metabolic response of blue mussels (*Mytilus trossulus*) to low salinity and heat stress.

Epp, B., **Nakata, N.N.**, Schram, J.B. (in prep). The effect of warming and freshening on Pacific blue mussel (*Mytilus trossulus*) byssal thread strength and growth.

**Nakata, N.N.**, Schoenfeld<sup>MS</sup>, M., Moody, C., & Schram, J.B. (in prep). Can you take the heat? Dropping embryos, larval death, and shooting blanks in response to heat shock in the spot shrimp (*Pandalus platyceros*), a harvested Alaskan species. *Biological Bulletin*

**Nakata, N.N., Lamb, K., Rousseau, E., Schram, J.B.** (in prep). Nutritional quality variation of Pacific blue mussels (*Mytilus trossulus*) and rockweed (*Fucus* sp.) from glaciated and non-glaciated estuaries in Alaska.

Rojas, J., Nakata, N.N., Schram, J.B. (in prep). Reproductive biology and species identity of Christmas anemones (*Urticina grebelnyi*) in Southeast Alaska. *Regional Studies in Marine Science*

## ACADEMIC PRESENTATIONS

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Undergraduate, <sup>MS</sup>MS, or <sup>PHD</sup>PhD student at time of authorship

- 2026 **Nakata, N.N., & Emllet, R.B.** (Sep 27-Oct 1). Brittle stars in the plankton: Descriptions of larvae and developing juveniles of the northeastern Pacific Ocean, with a key for their identification [Poster session]. International Larval Biology Symposium, Woods Hole, MA
- 2026 **Nakata, N.N., Schoenfeld<sup>MS</sup>, M., Moody, C. & Schram, J.B.** (Sep 27-Oct 1). Can you take the heat? Dropping embryos, larval death, and shooting blanks in response to heat shock in the spot shrimp (*Pandalus platyceros*), a harvested Alaskan species [Poster session]. International Larval Biology Symposium, Woods Hole, MA
- 2026 Moody, C., Schoenfeld<sup>MS</sup>, M., Nakata, N.N., Schram, J.B. (Jul 22). Larval status and release in *Pandalus platyceros* (northern spot shrimp) as a response to temperature and salinity [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Lamb, K., Nakata, N.N., Schram, J.B. (Jul 22). From harvest to laboratory: comparing energy and organic composition in southeast Alaska wild foods [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Wiederspohn, H., Nakata, N.N., Schram, J.B. (Jul 22). Predicting bivalve nutrition under global warming conditions [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Glasson, E., Nakata, N.N., Schram, J.B. (Jul 22). Thermal and salinity stress impact on *Mytilus trossulus*: the respirometry phase [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Epp, B., Nakata, N.N., Schram, J.B. (Jul 22). Byssal thread strength and count of *Mytilus trossulus* before and after acute freshwater stressor [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Gaylord, M., Nakata, N.N., Schram, J.B. (Jul 22). The metabolic response of blue mussels (*Mytilus trossulus*) to low salinity and heat stress [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Ligsay, C.-M., Nakata, N.N., Schram, J.B. (Jul 22). Experimental effects of temperature and salinity changes on tissue quality in Pacific blue mussels [Oral presentation]. INBRE Virtual Summer Research Conference
- 2026 Kennedy, E.G., Harley, J.R., Schram, J.B., **Nakata, N.N.**, Monacci, N., Cellan, S.M., Masotti, M.D., Lanphier, K. (May 18-20). Variation in pCO<sub>2</sub> and aragonite saturation may impact human health and harmful algal bloom risk in northern Southeast Alaska [Poster session]. Centers for Ocean and Human Health Annual Meeting, Woods Hole, MA
- 2026 Lamb, K., Nakata, N.N., Schram, J.B. (Apr 10-12). Tissue-, site-, and regional variation in organic biomass of marine foods from Lynn Canal and Kachemak Bay, Alaska, using ash-free dry weight (AFDW) [Poster session]. INBRE Network-wide Annual Research Conference, Talkeetna, AK

- 2026 **Rojas, J., Nakata, N.N.**, Schram, J.B. (Apr 10). Reproductive biology and species identity of Christmas anemones in SEAK – Progress Report [Oral presentation]. Undergraduate Research and Creative Activity (URECA) Symposium, Juneau, AK
- 2026 **Nakata, N.N.**, & Schram, J.B. (Jan 26-30). Come on in, the water's warm(ing): A call for collaboration on organismal response to climate change [Poster session]. Alaska Marine Science Symposium, Anchorage, AK
- 2025 **Nakata, N.N.**, & Schram, J.B. (Dec 10-12). Building experimental capacity across life stages (BECALS), An EPSCoR Seed Grant Project [Poster session]. EPSCoR: IoC All Hands Meeting, Fairbanks, AK
- 2025 Schram, J.B., & **Nakata, N.N.** (Dec 10-12). Update from the Bivalves team [Oral presentation]. EPSCoR: IoC All Hands Meeting, Fairbanks, AK
- 2025 **Nakata, N.N.**, & Emllet, R.B. (Jul 21-26). Brittle stars in the plankton: Descriptions of larvae and developing juveniles of the northeastern Pacific Ocean and a key for their identification [Oral presentation]. North American Echinoderm Conference, Juneau, AK
- 2024 **Nakata, N.N.**, & Emllet, R.B. (Jan 2-6). The brittle stars of the northeast Pacific with abbreviated development [Oral presentation]. Society for Integrative and Comparative Biology, Seattle, WA
- 2023 Masterman, J.A., & Nakata, N.N. (Jul 5). Research in Motion on the Ocean [Department seminar]. OIMB Seminar Series, UO Oregon Institute of Marine Biology, Charleston, OR
- 2018 **Nakata, N.N.** (Mar 19). Ophiuroids of the Oregon Coast [Oral presentation]. OIMB Rotation Symposium, UO Oregon Institute of Marine Biology, Charleston, OR
- 2018 Krug, P.J., & **Nakata, N.N.** (Jan 3-7). When photosynthetic animals and crunchy algae co-evolve: host and herbivore traits interact to determine lineage diversification in sea slugs [Oral presentation]. Society for Integrative and Comparative Biology, San Francisco, CA
- 2017 **Nakata, N.N.** The role of algal host use on lineage diversity in Sacoglossa [Oral presentation]. 25<sup>th</sup> Annual Student Research Symposium, CSULA, Los Angeles, CA
- 2013 **Nakata, N.N.** A face only a mother could love: resolving the Lophiiformes phylogeny [Oral presentation]. E&EB Senior Symposium, Yale University, New Haven, CT
- 2012 **Nakata, N.N.** Resolving the Lophiiformes phylogeny and evolution of reproductive strategies [Oral presentation]. Calhoun College Mellon Forum, Yale University, New Haven, CT

## TEACHING EXPERIENCE

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**Term Faculty or Instructor**, University of Alaska Southeast (UAS), Natural Sciences, Juneau, AK

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|------------|----------------------------------------------------------------------------------------------------------------|
| 2027       | BIOL 410 Marine Animal Physiology                                                                              |
| 2027       | BIOL 103 Biology and Society, 1 lab section                                                                    |
| 2027       | BIOL 393 Climate Change and Harmful Algae (Course-based Undergraduate Research Experience, funded by AK UNiTE) |
| 2026       | BIOL 310 Animal Physiology, 1 lab section, 16 students                                                         |
| 2026, 2025 | BIOL 111L Human Anatomy & Physiology Lab, 16 students                                                          |
| 2024       | BIOL 115 Fundamentals of Biology I, 3 labs, 30 students, with J.B. Schram                                      |

**Designer**, University of Oregon's Oregon Institute of Marine Biology (UO OIMB), Charleston, OR

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|------|---------------------------------------------------------------------------|
| 2024 | BI 457 Marine Science Communication, 24 students, instructor C.Q. Plowman |
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**Adjunct Instructor or Instructor**, University of Oregon (UO), Department of Biology, Eugene, OR

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|------------|--------------------------------------------------------------------|
| 2024, 2022 | BI 357 Marine Biology, 72 students, 3 lab sections                 |
|            | 2022 with co- instructors and designers C.Q. Plowman and L.N. Rice |

**Courses Prepared to Teach:** Invertebrate Zoology, Comparative Embryology and Larval Biology of Marine Invertebrates, Marine Science Communication, Genetics

**Guest Lecturer**

- 2026 (multiple) Echinodermata: Overview, Asteroidea, Ophiuroidea, Crinoidea, Echinoidea, and Holothuroidea. BIOL 405 Invertebrate Zoology, UAS
- 2026 Marine Invertebrate Larval Ecology. BIOL 375 Current Topics in Biology, UAS
- 2025 My Path in Science. BIOL 492 Biology Seminar, UAS (remote)
- 2025 Physiology of Larvae. BIOL 410 Marine Animal Physiology, UAS (remote)
- 2023 Larval Ecology. BI 474 Marine Ecology, UO OIMB
- 2022 Ophiuroidea. BIOL 405 Invertebrate Zoology, UAS (remote)
- 2022 Ophiuroidea. BI 451 Invertebrate Zoology, UO OIMB
- 2021 Barcoding Marine Larvae. BI 457 Molecular Marine Biology, UO OIMB
- 2021 Ophiuroidea. BI 451 Invertebrate Zoology, UO OIMB

**Graduate Teaching Assistant, UO OIMB, Charleston, OR**

- 2023, 2021, 2019 BI 457 Molecular Marine Biology
- 2023, 2019 BI 457 Comparative Embryology and Larval Biology
- 2022, 2020, 2018 BI 454 Estuarine Biology
- 2021 BI 451 Invertebrate Zoology
- 2021 BI 212 General Biology: Organisms (remote)

**MENTORSHIP**

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♦Served as primary mentor; undergraduate (funding source, \$ awarded to student), <sup>MS</sup>MS, or <sup>PHD</sup>PhD student at time of mentorship; <sup>P</sup>mentee now in PhD program; middle/high school student(s)

**Research Program Manager**

- 2026 **Postdoctoral Researcher, INBRE First-time Research Experience (FiRE), INBRE Undergraduate Research Assistantship Scholar (URA), EPSCoR IoC, and EPSCoR Seed Award internships (Summer). UAS, Juneau, AK. 8 undergraduates. Subawards on P20GM103395, OIA-2344553; PIs: **Nakata, N.N.**, Schram, J.B. Coordinated funding, purchasing, data collection, analysis, lab training, outreach, and presentation preparation.**
- 2022–2018 **Graduate Employee, Research Experience for Undergraduates (REU) (Summer). UO OIMB, Charleston, OR. 44 undergraduates, 11 PIs. NSF Grants OCE-1659477, OCE-1950520; PIs: Emler, R.B., Watts, M.W. Coordinated travel, transportation, housing, field trips, outreach, professional development, poster preparation and symposium.**
- 2017–2016 **Museum Guide, Young Scientist Program. Cabrillo Marine Aquarium, San Pedro, CA. 50+ middle and high school students, 9 staff mentors. Coordinated student mentorship, research milestones, experimental design, and organization of the Young Scientist Symposium.**

**Co-Mentor with J.B. Schram, University of Alaska Southeast, Juneau, AK**

- 2027–2026 Max Schoenfeld<sup>MS</sup>, Beatrice Epp♦ (BIOL S498 research credit), Cole Moody♦, Eliza Glasson♦ (BIOL S498), Jazmin Rojas (AK UNiTE), Kimmy Lamb♦ (INBRE URA, \$3,380), Lily Rademacher♦ (BIOL S498), Maggie Mae Gaylord♦ (INBRE URA, \$3,380; BIOL S498), Maggie Hightower♦; Sensoreal student (\$-, Ostrea Marine), wrote five letters of recommendation

- 2026–2025 Max Schoenfeld<sup>MS</sup>; Jazmin Rojas<sup>♦</sup> (URECA, \$2,500; EPSCoR, \$9,677); Kimmy Lamb (INBRE URA, \$3,125+\$11,620); Maggie Hightower; Beatrice Epp, Maggie Mae Gaylord, Eliza Glasson, Chelsea Ligsay, Hadley Wiederspohn (INBRE FIRE, \$7,444 each); Cole Moody (EPSCoR, \$9,677); wrote two letters of recommendation
- 2025–2024 Max Schoenfeld<sup>MS</sup>, Emma Reichl (BLaST), Cameron Mauldin (BLaST), Arianna Workman, Ella Kelly

**Near-Peer Mentor**, Research Experience for Undergraduates, UO OIMB, Charleston, OR

- 2021 Alondra Germán-Castañeda, Andrew Moura<sup>P</sup>, Nick Nodzak
- 2019 Adrian Garcia<sup>P</sup>
- 2018 Tiffany Spendiff<sup>P</sup>, Savanna Cabrera

**Mentor**, Young Scientist Program, Cabrillo Marine Aquarium, San Pedro, CA

- 2017–2013 Staff mentor to 25+ middle and high school students<sup>♦</sup>
- 2012 PADI Research Internship Mentor, 3 high school students<sup>♦</sup>

## GRANTS & FELLOWSHIPS

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Total: \$145,291 In support of student research: \$61,750

Undergraduate co-investigator or beneficiaries

- 2027–2026 AK UNiTE Course-based Undergraduate Research Experience. Climate Change and Harmful Algae, UAS, Juneau, AK. Verbal confirmation of funds 7July2026. \$10,000
- 2026 AK UNiTE Mentoring Professional Development. For travel with an undergraduate student to the annual Western Society of Naturalists meeting (Nov 12-15), Sacramento, CA. \$4,000
- 2026 Alaska IDeA Network of Biomedical Research Excellence (AK INBRE) Student Travel Award. Travel to Metabolomics Workshop, ASET Lab, UAA, Anchorage, AK. **PI: N.N. Nakata**, (for 5 FIRE interns) \$12,500
- 2026 AK INBRE Summer Cohort-Based Undergraduate Research Experience (SCURE). Environmental Change in Southeast SCURE. **PI: N.N. Nakata**, Co-I: J.B. Schram. \$28,765 (+\$37,220 in student stipends, INBRE FIRE)
- 2026–2025 Alaska NSF EPSCoR Faculty Research Seed Grant. Building Experimental Capacity Across Life Stages (BECALS). **PI: N.N. Nakata**. \$31,906 (\$2,030 for undergraduate)
- 2022 UO OIMB Neil Richmond Fellowship, \$1,000
- 2020 Friday Harbor Laboratories (FHL) Graduate Student Research: Charles Lambert Memorial Fellowship, \$2,400
- 2020 UO William R. Siström Memorial Award, \$1,000
- 2019 Oregon Shell Club Student Research Scholarship, \$500
- 2018–2017 UO Steven A. Raymund First Year Fellowship, \$20,000

## OUTREACH

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- 2026 **Speaker**, Birds and Bees in the Seas: A peek at how marine invertebrates make babies and recent research at UAS (Oct 8). Juneau Audubon Society Membership Meeting, Juneau, AK
- 2026 **Guest**, Dumas, C. (Host). (Sep 14). *Capital Chat* [Radio broadcast]. KINY

- 2026 **Artist Host** with J.B. Schram, artist: Ellie Schmidt<sup>PHD</sup> (Jul 14-22). AK EPSCoR IoC, In a Time of Change: Coastal Transitions. UAS, Juneau, AK
- 2025 **Interviewee**, Ellie Ruel (Sep 2). ‘We’re not just doing silly science:’ Biology researchers brave possible bumps in the road. *UAS Whalesong*.  
<https://uaswhalesong.com/2025/09/02/were-not-just-doing-silly-science-biology-researchers-brave-possible-bumps-in-the-road/>
- 2024 **Speaker** with Nadia Stoker, Babies in the Waves: Exploring life cycles of common marine invertebrates in the Bay Area (Mar 21). *Brewed for Thought*, 7 Devils Brewery, Coos Bay, OR
- 2023–2019 **Graduate Employee** and **Volunteer**, UO Charleston Marine Life Center, Charleston OR. Director: Trish Mace. Exhibit design and creation, including 3D-printed invertebrate larvae, interpretative panels, and video display. Animal collection, husbandry, and preparation of vertebrate specimens for display. Docent Training: Introducing the New Larval Exhibit; What is DNA Barcoding? An Introduction to PCR and Phylogenetics; Local Plankton and Marine Invertebrate Life Histories
- 2020–2018 **Organizer**, (4-member committee) Celebration of Oregon Science, Coos Bay OR  
 Event planning and advertisement. Vendor recruitment and coordination. Presenter.
- 2017–2013 **Museum Guide**, Aquatic Nursery, Cabrillo Marine Aquarium, San Pedro CA  
 Interpretation of animals, exhibits, and field-based activities to a public audience. School tours of aquaria, focal marine animals, and habitats.

## SERVICE

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- Reviewer: *Science Advances*
- 2027–2026 **Faculty Advisor**, Beta Beta Beta (TriBeta) Biological Honor Society, UAS
- 2026 **Volunteer**, Phycological Society of America Annual Meeting (Jun 14-18). Juneau, AK.  
<https://www.psaalgae.org/meetings/2026/1/12/psa-14-17-june-in-juneau-alaska>
- 2025 **Faculty**, UAS Open House (Oct 25), UAS
- 2025–2024 **Organizer** (2-member committee), North American Echinoderm Conference (NAEC) (Jul 21-26). UAS, Juneau, AK. <https://uas.alaska.edu/conferences/NAE2025/>
- 2023–2017 **Graduate Volunteer**, coffee & tea prep for the OIMB Seminar Series, UO OIMB
- 2021–2020 **Grad Co-Chair**, Seminar DEI Search Committee, UO OIMB
- 2021–2019 **Co-Director**, Oregon Marine Students Association, UO OIMB
- 2021–2018 **Graduate Assistant**, BI 283 field projects, UO OIMB
- 2021–2018 **Graduate Assistant**, BI 199 field and lab activities, UO OIMB
- 2020 **Recruiter**, UO Graduate School and Biology Dept., *SACNAS Conference* (virtual)
- 2020–2019 **Organizer** (4-member committee), NAEC, cancelled due to COVID-19, UO OIMB
- 2019 **Organizer**, OIMB Open House, UO OIMB

## PROFESSIONAL AFFILIATIONS

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- Present–2026 AK UNiTE Mentoring Cohort 6, [https://serc.carleton.edu/AK\\_Unite/index.html](https://serc.carleton.edu/AK_Unite/index.html)
- Present–2026 Alaska Harmful Algal Bloom Network (AHAB), <https://ahab.aos.org/>
- Present–2026 Coastal & Estuarine Research Federation (CERF), <https://www.cerf.science/>
- Present–2025 Alaska Ocean Acidification Network (AOAN), <https://aoan.aos.org/>
- Present–2024 Minorities in Shark Science (MISS), <https://www.misselasmoo.org/>
- 2025–2024 Phycological Society of America (PSA), <https://www.psaalgae.org/>

2023–2018 UO Women in Graduate Science

RELEVANT EXPERIENCE

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## Research Collaborations

- 2027–2026 Spatiotemporal dynamics of the sea star wasting disease causative agent (*Vibrio pectenocida*). Seawater collection and filtration, Juneau team (1x week). PI: Casey Benkwitt, The Nature Conservancy in California
- Present–2025 Pacific eDNA Coastal Observatory (PECO). Field sampling and water filtration, Juneau team (Jul, 5 days). PI: Jennifer Sunday, McGill University, Montreal, QC, Canada. <https://peco-project.weebly.com/>
- Present–2025 Monitoring zooplankton community composition for early warning of harmful algal blooms at shellfish farms in Southeast Alaska. PI: Kyle Neumann, Ostrea Marine, Juneau, AK. <https://www.ostreamarine.com/>
- Present–2024 Investigating spot shrimp reproductive parameters for fisheries management and model validation. Co-Is: Max Schoenfeld, Alaska Dept. Fish & Game, Juneau, AK; Julie Schram, UAS, Juneau, AK
- Present–2024 Sitka Tribe of Alaska’s Knowledge Warding Against Toxin Levels (KWATL) Center for Oceans and Human Health: Changing Oceans Affect Shellfish Toxins. PI: Jeff Feldpausch, Sitka Tribe of Alaska, Sitka, AK; Project PI: John Harley, UAS, Juneau, AK. <https://sitkatribes.org/our-services/resource-protection-programs/knowledge-warding-against-toxin-levels-center/>

## Workshops &amp; Courses

- Present–2026 mCDR (marine Carbon Dioxide Removal) Reading Group (monthly). AOAN, Director: D. Dugan. Anchorage, AK
- Present–2025 Ocean Acidification Reading Group (monthly). Organizer: E.G. Kennedy. UAS
- 2026 Pacific eDNA Coastal Observatory (PECO) 2026 Working group meeting (Apr 12–15, attended remotely). Victoria, BC, Canada
- 2024 Microscopy & Imaging Fundamentals Workshop (Mar 19–20). UO, Eugene, OR
- 2023 Intro to Command Line and Bioinformatics (Mar 24). UO, Eugene, OR
- 2023 The Auntie Way Writing Retreat (2x weekly, Mar–Jun). Instructor: Michelle M. Jacob, Anahuy Mentoring, LLC. UO, Eugene, OR (virtual).
- 2020 UGST 609 Engaged Pedagogy, 2-unit course. Instructor: Jason Schreiner. UO, Eugene, OR (virtual)
- 2019 Workshop on Molecular Evolution (Aug 1–11). Marine Biological Laboratory, Instructors: various. Woods Hole, MA
- 2019 Quantitative Genetics Workshop (Jun 10–14). Friday Harbor Laboratories (FHL), University of Washington (UW). Friday Harbor, WA

## In the Field, at Sea &amp; Marine Field Stations

- 2023–2017 **Graduate Researcher** and **Teaching Assistant**, UO OIMB, Charleston, OR  
Collection, care, and preservation of marine biological specimens for teaching and research. Larval and microalgal culture. Microscopy and genetic analysis.
- 2023 **Graduate Researcher**, Size Spectra Research Cruise (Feb 15–Mar 1). R/V *Sikuliaq*, continental shelf of CA, OR, and WA. PIs: K.R. Sutherland, S. Sponagle, R. Cowen. UO, Eugene OR and Oregon State University, Newport, OR
- 2020 **Graduate Fellow**, Charles Lambert Memorial Graduate Student Fellowship (Aug 22–Sep 23). FHL, UW, Friday Harbor, WA

- 2019 **Graduate Researcher**, OIMB Oceanus Cruise (Sep 6-8). R/V *Oceanus*, continental shelf of Oregon. PI: C.M. Young. UO OIMB, Charleston, OR
- 2016 **Graduate Researcher**, Larval Biology of Marine Invertebrates (Jul 18-Aug 19). 4-unit course. Instructors: R.B. Emlet, D. Grünbaum. FHL, UW, Friday Harbor, WA
- 2015–2013 **Volunteer Naturalist**, certification through the Cabrillo Whalewatch Training Program (weekly, Oct-Mar), American Cetacean Society Los Angeles chapter (ACS-LA). Approx. 10 cruises in Santa Monica Bay and one 9-day cruise to San Ignacio Lagoon, Baja California, Mexico.

#### Additional Dry & Wet Lab Experience

- 2017–2015 **Graduate Researcher**, The role of algal host use on lineage diversification in Sacoglossa. California State University Los Angeles, Los Angeles, CA
- 2017–2013 **Museum Guide**, Aquatic Nursery, Cabrillo Marine Aquarium, San Pedro, CA  
Animal husbandry of marine fish and invertebrates in aquaria. Culture of fish and invertebrate larvae, sea jellies, rotifers, brine shrimp, and microalgae.
- 2015–2014 **Shrimp Aquaculture Intern**, Cal-Shrimp Harvest, Gardena, CA
- 2013–2010 **Undergraduate researcher**, A face only a mother could love: Resolution of Lophiiformes phylogeny utilizing nuclear genes. PIs: T.J. Near, S. Alonso.  
Department of Ecology & Evolutionary Biology, Yale University, New Haven, CT
- 2011 **Research Intern** (Jun-Aug), Do princesses eat better? Testing two diets on larval red rock shrimp (*Lysemata californica*). Advisor: K.O. Darrow. Cabrillo Marine Aquarium, San Pedro, CA

#### SKILLS & CERTIFICATIONS

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Responsible Conduct of Research Training certification (12/5/2024–12/5/2028)  
 Culture of marine invertebrate and fish larvae, microalgae  
 Aquarium maintenance and animal husbandry of marine fish and invertebrates  
 Invertebrate zoology and taxonomy, identification of marine plankton  
 Light and photo microscopy  
 DNA extraction and amplification, phylogenetic analysis (R, Geneious Prime)  
 Temperature, salinity, and CO<sub>2</sub> enrichment experimental design and set-up  
 Tissue quality and metabolic analyses: ash-free dry weight, bomb calorimetry, respirometry (Loligo® Systems), force transduction, metabolomics  
 Data management, statistics, and graphics (R, Microsoft Excel, Google Sheets)  
 Oregon Boater Education Card  
 CPR and First Aid Training (not current)  
 Learning management systems (Canvas, Blackboard Ultra)  
 Photo correction and measurement (ImageJ, Adobe Photoshop)  
 Vector illustration (Adobe Illustrator, BioRender), 3D-model sculpture (Blender v.2.82)  
 K-12 informal education and program development in marine sciences and research  
 Proficient in conversational Spanish

#### PROFESSIONAL REFERENCES

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Julie B. Schram Ph.D., Assistant Professor, UAS – Postdoc advisor  
 Anderson Bldg, 11066 Auke Lake Way, Juneau AK 99801  
[jbschram@alaska.edu](mailto:jbschram@alaska.edu), (907) 796-6599

Richard B. Emlet Ph.D., Professor, UO OIMB – PhD advisor  
63466 Boat Basin Rd, Charleston OR 97420  
[remlet@uoregon.edu](mailto:remlet@uoregon.edu), (541) 346-7285

Maya Watts Ph.D., Education Program Coordinator, UO OIMB – Teaching reference  
63466 Boat Basin Rd, Charleston OR 97420  
[mwolf1@uoregon.edu](mailto:mwolf1@uoregon.edu), (541) 346-7277

Trish Mace, Director, UO Charleston Marine Life Center – Outreach reference  
63466 Boat Basin Rd, Charleston OR 97420  
[tmace@uoregon.edu](mailto:tmace@uoregon.edu), (541) 346-7305