Nicole N. Nakata

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EDUCATION

2023 **Ph.D.** Biology, University of Oregon's Oregon Institute of Marine Biology (UO OIMB)
Advisor: Richard B. Emlet

2017 **M.S.** Biology (ABD), California State University Los Angeles (CSULA)
Advisor: Patrick J. Krug

2013 **B.S.** Ecology & Evolutionary Biology, Yale University
Advisor: Thomas J. Near

PROFESSIONAL EXPERIENCE

2026–2024 **Postdoctoral Researcher,** University of Alaska Southeast (UAS)
Advisor: Julie B. Schram

PUBLICATIONS

Nakata, N.N., & Emlet, R.B. (in prep). Evolution of larval development in the brittle star family Amphiuridae.

Nakata, N.N., & Emlet, R.B. (under revision). Brittle star larvae of the northeastern Pacific Ocean: Descriptions and keys for identification. *Invertebrate Biology*.

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), e10298.https://doi.org/10.1002/ece3.10298.

ACADEMIC TALKS & PRESENTATIONS

2025 Guest Lecturer, "My Path in Science", BIOL 492 Biology Seminar, UAS
2025 Guest Lecturer, "Physiology of Larvae", BIOL 410 Marine Animal Physiology, UAS
2024 Speaker, "The brittle stars of the northeast Pacific with abbreviated development", Society for Integrative and Comparative Biology (SICB), Seattle WA
2023 Co-Speaker with J. Masterman, "Research in Motion on the Ocean", OIMB Seminar Series
2023 Guest Lecturer, "Larval Ecology", BI 474 Marine Ecology, OIMB
2022 Guest Lecturer, "Ophiuroidea", BIOL 405 Invertebrate Zoology (remote), UAS
2022 Guest Lecturer "Ophiuroidea", BI 451 Invertebrate Zoology, OIMB
2021 Guest Lecturer, "Barcoding Marine Larvae", BI 457 Molecular Marine Biology, OIMB
2021 Guest Lecturer, "Ophiuroidea", BI 451 Invertebrate Zoology, OIMB
2018 Speaker, "Ophiuroids of the Oregon Coast", OIMB Rotation Symposium
2018 Co-author (Speaker P.J. Krug), "When photosynthetic animals and crunchy algae co-evolve: host and herbivore traits interact to determine lineage diversification in sea slugs", SICB, San Francisco CA

2017 Speaker, "The role of algal host use on lineage diversity in Sacoglossa", 25th Annual Student Research Symposium, CSU Los Angeles
2013 Speaker, "A face only a mother could love: resolving the Lophiiformes phylogeny", Ecology & Evolutionary Biology Senior Symposium, Yale University
2012 Speaker, "Resolving the Lophiiformes phylogeny and evolution of reproductive strategies", Calhoun College Mellon Forum, Yale University

GRANTS & FELLOWSHIPS

2022 OIMB Neil Richmond Fellowship, $1,000
2020 FHL Student Research: Charles Lambert Memorial Fellowship, $2,400
2020 UO William R. Sistrom Memorial Award, $1,000
2019 Oregon Shell Club Student Research Scholarship, $500
2017 Steven A. Raymund Fist Year Fellowship, $20,000

TEACHING EXPERIENCE

2024 **Co-Instructor,** BIOL 115 Fundamentals of Biology I, 30 students, 3 lab sections
University of Alaska Southeast, Dept. of Natural Sciences, Juneau AK
2024 **Designer,** (Instr. C.Q. Plowman) BI 457 Marine Science Communication, 24 students
University of Oregon, OIMB, Charleston OR
2024 **Instructor,** BI 357 Marine Biology, 72 students, 3 lab sections
University of Oregon, Dept. of Biology, Eugene OR
2022 **Co-Instructor and Designer,** (with C.Q. Plowman and L.N. Rice) BI 357 Marine Biology
University of Oregon, Dept. of Biology, Eugene OR
Courses Prepared to Teach**:** Invertebrate Zoology, Larval Biology, Marine Science Communication

Graduate Teaching Assistant, University of Oregon, OIMB

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)

UNIVERSITY SERVICE

2025	Organizer (2-member committee), North American Echinoderm Conference
2021–2020	Grad Co-Chair, OIMB Seminar DEI Search Committee
2021–2019	Co-Director, Oregon Marine Students Association, OIMB
2020	UO Graduate School and Biology Dept. Recruiter, SACNAS Conference (remote)
2020	Organizer (4-member committee), NAEC, cancelled due to COIVD-19
2020–2018	Organizer (4-member committee) and Presenter, Celebration of Oregon Science, Coos Bay OR

PROFESSIONAL AFFILIATIONS

2024–present Phycological Society of America (PSA)
2024–present Minorities in Shark Science (MISS)

2023–2018 Women in Graduate Science, UO

MENTORSHIP EXPERIENCE

Near-Peer Mentor, University of Alaska Southeast, University of Oregon OIMB
- 2024 Emma Reichl, Cameron Mauldin
- 2021 Alondra Germán-Castañeda, Andrew Moura, Nick Nodzak (REU)
- 2018 Tiffany Spendiff, Savanna Cabrera (REU)

Research Experience for Undergraduates, University of Oregon OIMB
- 2022–2018 Graduate Employee, Program Manager

Young Scientist Program, Aquatic Nursery, Cabrillo Marine Aquarium, San Pedro CA
- 2017–2013 Mentor, Program Manager 2017–2016
- 2012 PADI Research Internship Mentor

RELATED EXPERIENCE

Coursework & Workshops
2024 Microscopy & Imaging Fundamentals Workshop, UO, Eugene OR
2023 Intro to Command Line and Bioinformatics, UO, Eugene OR
2020 UGST 609 Engaged Pedagogy, 2-unit course (remote), UO, Eugene OR
2019 Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole MA
2019 Quantitative Genetics Workshop, Friday Harbor Laboratories (FHL), University of Washington (UW), Friday Harbor WA
2016 Larval Biology of Marine Invertebrates, 4-unit course, FHL, UW, Friday Harbor WA

Researcher or Laboratory Technician
2023 Size Spectra Research Cruise, UO. Advisor: Kelly R. Sutherland
2020 Charles Lambert Memorial Graduate Student Fellowship, FHL, UW
2017–2013 Museum Guide (Lab Tech), Cabrillo Marine Aquarium, San Pedro CA
2014 Shrimp Aquaculture Intern, Cal-Shrimp Harvest, Gardena CA
2013–2010 Undergraduate researcher, Dept. of Ecology & Evolutionary Biology, Yale University, New Haven CT. Advisors: Thomas J. Near, Suzanne Alonso
2011 Research Intern, Cabrillo Marine Aquarium, San Pedro CA. Advisor: K.O. Darrow

OUTREACH

Graduate Employee and Volunteer, UO Charleston Marine Life Center (CMLC), Charleston OR
2023, 2020, 2019 Exhibit design and creation, including 3D-printed invertebrate larvae, interpretative panels, and video display. Exhibit interpretation and presentations to public and docents, see below. Animal collection and husbandry. Processing of vertebrate specimens for display.
2024 "Babies in the Waves: Exploring life cycles of common marine invertebrates in the Bay Area", Brewed for Thought at 7 Devils Brewery & Tap Room, Coos Bay OR
2022 "Introducing the New Larval Exhibit", CMLC
2020 "What is DNA Barcoding? An Introduction to PCR and Phylogenetics", CMLC
2020 "Local Plankton and Marine Invertebrate Life Histories", CMLC

Museum Guide, Aquatic Nursery, Cabrillo Marine Aquarium, San Pedro CA
2017–2013 Interpretation of animals, exhibits, and field-based events to public

Volunteer Naturalist, Cabrillo Whalewatch Program, Los Angeles CA
2015–2013 Interpretation of marine mammals and birds to public on whale watching tours

SKILLS & CERTIFICATIONS

Culture of marine larvae, microalgae, and fish; identification from plankton
DNA extraction and amplification, phylogenetic analysis (R, Geneious Prime)
Data management, statistics, and graphics (R, Excel, Google Sheets)
Learning management systems (Canvas, Blackboard Ultra)
3D model sculpture (Blender v.2.82)
Vector Illustration (Adobe Illustrator)
Oregon Boater Education Card
K-12 informal education and program development in marine sciences and research

PROFESSIONAL REFERENCES

Julie B. Schram Ph.D., Assistant Professor UAS
jbschram@alaska.edu, (907) 796-6599
Anderson Bldg 205 C, 11066 Auke Lake Way, Juneau AK 99801

Richard B. Emlet Ph.D., Professor UO OIMB
remlet@uoregon.edu, (541) 346-7285
63466 Boat Basin Rd, Charleston OR 97420

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

Trish Mace, Director of CMLC – outreach reference
tmace@uoregon.edu, (541) 346-7305
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